

**H.R. 4350—FY22 NATIONAL DEFENSE  
AUTHORIZATION BILL**

**CHAIRMAN’S MARK**

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# DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

## TITLE I—PROCUREMENT

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

##### Section 101—Authorization of Appropriations

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

#### SUBTITLE D—AIR FORCE PROGRAMS

##### Section 131—Contract for Logistics Support for VC-25B Aircraft

This section would require the Secretary of the Air Force to re-compete the depot sustainment contract for the VC-25B after the first 5 years.

#### SUBTITLE E—DEFENSE-WIDE, JOINT, AND MULTISERVICE MATTERS

##### Section 141—Implementation of Affordability, Operational, and Sustainment Cost Constraints for the F-35 Aircraft Program

This section would limit the total quantity of F-35 aircraft that could be procured and maintained in the aircraft inventory by the Secretary of the Air Force and the Secretary of the Navy based on existing affordability cost targets that have been determined by each Secretary.

##### Section 142—Limitation on Availability of Funds for Aircraft Systems for the Armed Overwatch Program

This section would prohibit the expenditure of certain funds to the Department of Defense for the procurement of armed overwatch aircraft systems unless specific conditions are addressed. Such conditions include but are not limited to the provision of the airborne intelligence, surveillance, and reconnaissance acquisition roadmap for the U.S. Special Operations Command as directed by section 165 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

##### Section 143—Major Weapon Systems Capability Assessment Process and Procedure Review and Report

This section would require a report on the Department of Defense's processes for the management of strategic risk with respect to major weapon systems capabilities and capacities including ensuring major weapon systems' suitability for current and emerging military threats to U.S. forces and accomplishment of their missions, and identifying for modernization by either upgrade or replacement any weapon systems that are not capable of effectively accomplishing their military purpose or are excess to operational requirements. The section would also require the Comptroller General of the United States to review the report and provide a briefing on the preliminary assessment.

## TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

##### Section 201—Authorization of Appropriations

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

#### SUBTITLE C—PLANS, REPORTS, AND OTHER MATTERS

##### Section 232—Adaptive Engine Transition Program Acquisition Strategy for the F-35A Aircraft

This section would require the Under Secretary of Defense for Acquisition and Sustainment to submit to the congressional defense committees an acquisition strategy for continued development, integration, and operational fielding of the Adaptive Engine Technology Program propulsion system into the U.S. Air Force fleet of F-35A aircraft beginning in fiscal year 2027.

## TITLE III—OPERATION AND MAINTENANCE

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

##### Section 301—Authorization of Appropriations

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

#### SUBTITLE B—ENERGY AND ENVIRONMENT

## Section 319—Pilot Program on Use of Sustainable Aviation Fuel

This section would require the Department of Defense to conduct a pilot program on the use of 10 percent blend sustainable aviation fuel at two geographically diverse locations by 2028.

### SUBTITLE C—LOGISTICS AND SUSTAINMENT

## Section 334—Report and Certification Requirements regarding Sustainment Costs for F-35 Aircraft Program

This section would require a report and certification regarding F-35 program sustainment costs, and would prohibit the Secretary of Defense from entering into a Performance-Based Logistics sustainment contract before certifying that the program met sustainment cost reduction metrics and that the contract would further reduce sustainment costs.

## TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

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#### SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

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

## TITLE V—MILITARY PERSONNEL POLICY

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#### SUBTITLE C—MILITARY JUSTICE AND OTHER LEGAL MATTERS

## Section 522—Mandatory Notification of Members of the Armed Forces Identified in Certain Records of Criminal Investigations

This section would require military criminal investigative organizations to notify a service member when they have been designated, or have been previously designated, as a suspect in a case in any official investigative report, and provide instructions on how to appeal the decision.

## Section 523—Reform and Improvement of Military Criminal Investigative Organizations

This section would require the military services to reform their criminal investigative organizations consistent with the guidance provided and submit a report through the Secretary of Defense to the Committees on Armed Services of the Senate and the House of Representatives not later than 1 year after the date of the enactment of this Act.

#### Section 524—Measures to Improve the Safety and Security of Members of the Armed Forces

This section would improve the safety and security of service members and the processes related to missing service members.

### SUBTITLE D—IMPLEMENTATION OF RECOMMENDATIONS OF THE INDEPENDENT REVIEW COMMISSION ON SEXUAL ASSAULT IN THE MILITARY

#### Section 531—Short Title

This section would cite this subtitle as the “IRC implementation Act of 2021”.

#### Part 1—Special Victim Prosecutors

#### Section 532—Special Victim Prosecutors

This section would create one O6 special victim prosecutor for each Armed Force appointed by the appropriate service secretary as well as such number of special victim prosecutors as appropriate to assist the special victim prosecutor. This section would establish the qualifications for the special victim prosecutors and the assistant special victim prosecutors. This section would also establish the roles and responsibilities for the special victim prosecutors and the assistant special victim prosecutors.

#### Section 533—Department of Defense Policies with Respect to Special Victim Prosecutors and Establishment of Offices of Special Victim Prosecutors within Military Departments

This section would require the Secretary of Defense to establish policies with the appropriate mechanisms and procedures that the Secretaries of the military departments to guide the establishment and operation of each Office of the Special Victim Prosecutors. This section would ensure the special victim prosecutor is under the sole jurisdiction of the Secretary concerned and enables the Judge Advocate General of a military department to assign as many assistant special victim prosecutors as needed.

### Section 534—Definition of Military Magistrate, Special Victim Offense, and Special Victim Prosecutor

The section would define military magistrate, special victim offense, and special victim prosecutor.

### Section 535—Clarification Relating To Who May Convene Courts-Martial

This section would amend section 822(b) of title 10, United States Code (article 229b of the Uniform Code of Military Justice) to clarify who may convene special and general courts-martial.

### Section 536—Detail of Trial Counsel

This section would amend section 827 of title 10, United States Code (article 27 of the Uniform Code of Military Justice) to require a special victim prosecutor or assistant special victim prosecutor to be detailed to special and general courts-martial referred by a special victim prosecutor.

### Section 537—Preliminary Hearing

This section would amend section 832 of title 10, United States Code (article 32 of the Uniform Code of Military Justice) to require a special victim prosecutor to appoint a military judge or military magistrate as the hearing officer for a preliminary hearing for all cases where a special victim prosecutor is exercising their authority.

### Section 538—Advice to Convening Authority Before Referral for Trial

This section would amend section 834 of title 10, United States Code (article 34 of the Uniform Code of Military Justice) to permit referral of charges and specifications over which a special victim prosecutor exercises authority by only the special victim prosecutor or by the convening authority where the charges and specifications do not allege a special victim offense or where a special victim declines to refer charges.

### Section 539—Former Jeopardy

This section would amend section 844(c) of title 10, United States Code (article 44(c) of the Uniform Code of Military Justice) by inserting “or the special victim prosecutor after the convening authority” each place that it appears.

### Section 539A—Plea Agreements

This section would amend subsection (a) of section 853a of title 10, United States Code (article 53a of the Uniform Code of Military Justice) by permitting special victim prosecutors to enter into plea agreements with respect to charges and specifications referred to court-martial by a special victim prosecutor.

#### Section 539B—Determinations of Impracticality of Rehearing

This section would amend section 865(e)(3)(B) of title 10, United States Code (article 65(e)(3)(B) of the Uniform Code of Military Justice) by permitting special victim prosecutors to determine whether a rehearing is impractical and dismiss charges if the case was referred to trial by a special victim prosecutor.

#### Section 539C—Punitive Article on Sexual Harassment

This section would amend subchapter X of chapter 47 of title 10, United States Code (the Uniform Code of Military Justice), by creating a new article (120d) criminalizing sexual harassment.

#### Section 539D—Clarification on Applicability of Domestic Violence and Stalking to Dating Partners

This section would amend section 928(b) of title 10, United States Code (article 128b of the Uniform Code of Military Justice) by striking “any person” and inserting “a dating partner” at each place it appears. Additionally, this section would define the terms dating partner, immediate family, and intimate partner as the meaning in section 930 of title 10, United States Code (article 130 of the Uniform Code of Military Justice). This section would also amend section 930 of title 10, United States Code (article 130; stalking) to include the term dating partner as defined.

#### Section 539E—Effective Date

This section would establish an effective date for 2 years after the date of enactment of this Act unless otherwise specified.

#### Part 2—Sentencing Reform

#### Section 539F—Sentencing Reform

This section would amend section 853 of title 10, United States Code (article 53 of the Uniform Code of Military Justice) and except in the case of capital offenses, require judge-alone if an accused is convicted by a general or special court-martial. Additionally, this section would establish a Military Sentencing Parameters and Criteria Board to determine sentencing parameters and criteria for the military judge to consider in determining appropriate sentences.



## Part 3—Reports and Other Matters

### Section 539G—Report on Modification of Disposition Authority for Offenses Other than Special Victim Offenses

This section would require the Secretary of Defense to submit a report on the feasibility, advisability, and potential effects of modifying chapter 47 of title 10, United States Code, to require that determinations as to whether to prefer or refer charges for trial by court-martial for offenses other than special victim offenses should be made by an individual outside the chain of command.

### Section 539H—Report on Implementation of Recommendations and Other Activities to Address Racial, Ethnic, and Gender Disparities in the Military Justice System

This section would require the Secretary of Defense to report on the Department's efforts to implement the recommendations from the May 2019 report of the Government Accountability Office titled: "Military Justice: DOD and the Coast Guard Need to Improve Their Capabilities to Assess Racial and Gender Disparities."

## SUBTITLE G—MILITARY FAMILY READINESS AND DEPENDENTS' EDUCATION

### Section 565—Continued Assistance to Schools with Significant Numbers of Military Dependent Students

This section would authorize \$50.0 million for the purpose of providing assistance to local educational agencies with military dependent students, and \$20.0 million for local educational agencies eligible to receive a payment for children with severe disabilities.

## SUBTITLE H—DIVERSITY AND INCLUSION

### Section 572—Amendments to Additional Deputy Inspector General of the Department of Defense

This section would amend section 554(a) of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

# TITLE VII—HEALTH CARE PROVISIONS

## LEGISLATIVE PROVISIONS

### SUBTITLE B—HEALTH CARE ADMINISTRATION

Section 714—Implementation of Integrated Product for Management of Population Health across Military Health System

This section would require the implementation of a population health platform that integrates healthcare data for all military health system beneficiaries, including care delivered through purchased care and direct care.

Section 715—Digital Health Strategy of Department of Defense

This section would require the Secretary of Defense to develop a Digital Health Strategy to incorporate new and emerging technologies.

Section 716—Development and Update of Certain Policies Relating to Military Health System and Integrated Medical Operations

This section would require the Secretary of Defense, in coordination with the Secretaries of the military departments and the Joint Chiefs of Staff, to develop and update certain policies related to integrated medical operations in the continental United States, plans for global patient movement, and bio-surveillance and medical research capabilities. In addition, this section would require the Secretary of Defense to conduct an analysis of whether the current organizational structure of the military health system allows for the updated plans based on the integrated medical operations requirements.

SUBTITLE C—REPORTS AND OTHER MATTERS

Section 731—Grant Program for Increased Cooperation on Post-Traumatic Stress Disorder Research between United States and Israel

This section would authorize collaborative research between the United States and Israel with respect to post-traumatic stress disorder.

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

LEGISLATIVE PROVISIONS

SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Section 801—Acquisition Workforce Educational Partnerships

This section would direct the president of the Defense Acquisition University (DAU) to create a program and designate a program manager to partner with outside entities to augment the DAU curriculum with experiential learning

opportunities and ensure the entire acquisition workforce receive training related to critical operational challenges. The section would further establish a formal partnership with outside faculty and require an annual report on legislative proposals and recommendations related to emerging acquisition policy issues.

#### Section 802—Website for Certain Domestic Procurement Waivers

This section would amend section 4814 of title 10, United States Code, to require the Secretary of Defense to establish and maintain a publicly available website for the purpose of publishing information related to the type and reasoning for each waiver or exception granted to the Buy American Act sourcing requirements.

#### Section 803—Diversity and Inclusion Reporting Requirements for Covered Contractors

This section would require covered contractors to submit annual reports regarding diversity and inclusion within their workforce and would require the Secretary of Defense to submit an annual report on the consolidated findings.

#### Section 804—Suspension or Debarment Referral for Egregious Violations of Certain Domestic Preference Laws

This section would require a contracting officer to refer to the appropriate suspension or debarment official any current or former Department of Defense contractor if the contracting officer believes the contractor has egregiously violated the domestic preference requirements of section 2533a of title 10, United States Code, Berry Amendment, or section 2533b of title 10, United States Code, Restrictions on Specialty Metals. The section would include a safe harbor exception where a contractor reasonably acted in good-faith reliance on a written waiver from an authorized individual, or on a representation by a third party about the origin of goods, articles, materials, or supplies.

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

#### Section 811—Modifications to Contracts Subject to Cost or Pricing Data Certification

This section would make technical changes to section 2306a of title 10, United States Code, to conform to amendments made by section 814 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

#### Section 813—Repeal of Preference for Fixed-Price Contracts

This section would repeal section 829 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), which established a statutory preference for fixed-price type contracts and a requirement for senior acquisition executives to approve the award of cost-type contracts over \$25.0 million.

#### Section 815—Other Transaction Authority Information Accessibility

This section would require the Department of Defense to provide recommendations to make other transaction authority data more accessible and improve the reporting structure.

### SUBTITLE C—INDUSTRIAL BASE MATTERS

#### Section 823—Modifications to Printed Circuit Board Acquisition Restrictions

This section would amend section 2533d of title 10, United States Code, and section 841 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283), which prohibited acquisitions of certain printed circuit boards by the Department of Defense.

### SUBTITLE D—OTHER MATTERS

#### Section 831—Mission Management Pilot Program

This section would establish a mission management pilot program led by the Strategic Capabilities Office to identify lessons learned and improved mission outcomes achieved by quickly delivering solutions that fulfill cross-service operational needs.

#### Section 832—Pilot Program to Determine the Cost Competitiveness of Drop-In Fuels

This section would direct the Secretary of Defense to establish a 5-year pilot program to determine the cost competitiveness of the fully burdened cost of drop-in fuels compared with the fully burdened cost of traditional fuel using a commercially available scenario-based strategic sourcing tool, and to submit an annual report on the impact of the pilot program.

## TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

### LEGISLATIVE PROVISIONS

SUBTITLE B—OTHER DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT  
MATTERS

Section 912—Space Force Organizational Matters and Modification of Certain  
Space-Related Acquisition Authorities

This section would provide a sense of Congress regarding the intent behind establishing the U.S. Space Force, and the organizational structure of the military service. This section would further emphasize the need for Space Force to remain a lean, agile, and fast organization, and encourage continued communication with Congress on areas for which legislative action is needed to enable the service to reach full operational capability.

This section would also amend the National Defense Authorization Act for Fiscal Year 2020 by modifying the implementation date for having a Service Acquisition Executive for Space in place to not later than October 1, 2022. This section would also allow the Secretary of the Air Force to assign the Assistant Secretary of the Air Force for Space Acquisition and Integration duties and authorities of the senior procurement executive for space systems and programs.

TITLE X—GENERAL PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—FINANCIAL MATTERS

Section 1001—General Transfer Authority

This section would allow the Secretary of Defense, with certain limitations, to make transfers between amounts authorized for fiscal year 2022 in division A of this Act. This section would limit the total amount transferred under this authority to \$6.50 billion.

Section 1002—Determination of Budgetary Effects

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

SUBTITLE B—NAVAL VESSELS

Section 1012—Biennial Report on Shipbuilder Training and the Defense Industrial  
Base

This section would make technical changes to section 1026 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

## SUBTITLE C—COUNTERTERRORISM

### Section 1021—Extension of Authority for Joint Task Forces to Provide Support to Law Enforcement Agencies Conducting Counter-Terrorism Activities

This section would extend section 1022(b) of the National Defense Authorization Act for Fiscal Year 2004 (Public Law 108–136) by 2 years.

### Section 1022—Prohibition on Use of Funds for Transfer or Release of Individuals Detained at United States Naval Station, Guantanamo Bay, Cuba, to Certain Countries

This section would prohibit the use of funding authorized to be appropriated or otherwise made available for the Department of Defense during the period beginning on the date of the enactment of this Act and ending on December 31, 2022, to transfer, release, or assist in the transfer or release of any individual detained at U.S. Naval Station, Guantanamo Bay, Cuba, to Libya, Somalia, Syria, and Yemen.

## SUBTITLE D—MISCELLANEOUS AUTHORITIES AND LIMITATIONS

### Section 1032—Prohibition on Use of Navy, Marine Corps, and Space Force as Posse Comitatus

This section would prohibit the use of any part of the Navy, the Marine Corps, or the Space Force as a posse comitatus, except in cases and under circumstances expressly authorized by the Constitution or an Act of Congress.

## SUBTITLE E—STUDIES AND REPORTS

### Section 1051—Congressional Oversight of Alternative Compensatory Control Measures

This section would require the Under Secretary of Defense for Policy to notify the congressional defense committees upon the establishment or disestablishment of all alternative compensatory control measures. This section would also require an annual report to the congressional defense committees.

### Section 1052—Comparative Testing Reports for Certain Aircraft

This section would require the Director, Operational Test and Evaluation and the Secretary of the Air Force to submit to the congressional defense committees not later than 45 days after the date of the enactment of this Act, the tactical aircraft comparative testing reports required by section 134(b) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

Section 1053—Extension of Reporting Requirement regarding Enhancement of Information Sharing and Coordination of Military Training between Department of Homeland Security and Department of Defense

This section would extend until December 31, 2023, a report required by section 1014 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328), on the coordination of Department of Defense training missions with the Department of Homeland Security (DHS) operational needs at the international borders of the United States and the information provided to DHS as a result of the coordinated training.

Section 1054—Continuation of Certain Department of Defense Reporting Requirements

This section would extend the requirement for biennial analysis and a subsequent report on strategic and critical materials.

SUBTITLE F—DISTRICT OF COLUMBIA NATIONAL GUARD HOME RULE

Section 1071—Short Title

This section would cite the short title as the "District of Columbia National Guard Home Rule Act".

Section 1072—Extension of National Guard Authorities to Mayor of the District of Columbia

This section would extend the authorities over the National Guard of the District of Columbia to the Mayor of the District of Columbia in the same manner as the Governor of a State.

Section 1073—Conforming Amendments to Title 10, United States Code

This section would add conforming amendments to title 10, United States Code.

Section 1074—Conforming Amendments to Title 32, United States Code

This section would add conforming amendments to title 32, United States Code.

Section 1075—Conforming Amendment to the District of Columbia Home Rule Act

This section would add conforming amendments to the District of Columbia Home Rule Act.

## SUBTITLE G—OTHER MATTERS

### Section 1081—Technical, Conforming, and Clerical Amendments

This section would make technical, conforming, and clerical amendments to existing law.

## TITLE XI—CIVILIAN PERSONNEL MATTERS

### LEGISLATIVE PROVISIONS

#### Section 1104—Civilian Personnel Management

This section would amend section 129 of title 10, United States Code, to strengthen the prohibition against managing civilian personnel according to a constraint or limitation on man-years, end strength, or full-time equivalent positions. This section would also prohibit the use of term or temporary hiring authorities for enduring functions.

#### Section 1107—Guidelines for Reductions in Civilian Positions

This section would amend section 1597 of title 10, United States Code, to require that, in implementing any reduction in force of civilian positions in the Department of Defense, the determination of employees to be separated shall be made primarily on the basis of seniority and veterans preference.

#### Section 1108—Repeal of 2-Year Probationary Period

This section would repeal the 2-year probationary period for Department of Defense civilians provided in section 1599e of title 10, United States Code.

## TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE B—MATTERS RELATING TO AFGHANISTAN AND PAKISTAN

#### Section 1211—Clarification of Certain Matters regarding Protection of Afghan Allies

This section would modify the Afghan Allies Protection Act of 2009 (Public Law 111-8). The committee notes the critical importance of the Special Immigrant Visa



Program and remains committed to Afghan citizens who, at great personal risk, supported United States operations in Afghanistan.

#### Section 1212—Afghanistan Security Forces Fund

This section would extend the Afghanistan Security Forces Fund through fiscal year 2022 for the termination of contracts associated with Afghan National Defense and Security Forces, the return of equipment to Department of Defense stocks, and other close out activities. This section also would require a quarterly report on the progress and cost associated with the utilization of this authority.

#### Section 1213—Extension and Modification of Authority for Reimbursement of Certain Coalition Nations for Support Provided to United States Military Operations

This section would extend through December 31, 2022, the authority to make Coalition Support Fund payments under section 1233 of the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181).

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

#### Section 1221—Extension and Modification of Authority to Provide Assistance to Vetted Syrian Groups and Individuals

This section would extend and modify section 1209 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291), by extending the authority to support vetted Syrian groups and individuals through December 31, 2022, and the required notice before the provision of assistance.

#### Section 1222—Extension and Modification of Authority to Support Operations and Activities of the Office of Security Cooperation in Iraq

This section would extend by 1 year, section 1215 of the National Defense Authorization Act for Fiscal Year 2012 (10 U.S.C. 113), the Office of Security Cooperation-Iraq authority.

#### Section 1223—Extension and Modification of Authority to Provide Assistance to Counter the Islamic State of Iraq and Syria

This section would modify section 1236 of the Carl Levin and Howard P. “Buck” McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113–291) to provide assistance to the security forces of the Government of Iraq to counter the Islamic State of Iraq and Syria and extend the authority through December 31, 2022. This section would also limit the obligation and execution of

some funds until the Secretary of Defense and Secretary of State submit security cooperation and security sector reform plans for Iraq.

The committee notes the importance of building sustainable partner forces that share common security goals. The committee further notes the absence of an integrated plan for security cooperation in Iraq, beyond the current phase of Operation Inherent Resolve. The committee encourages security cooperation with Iraqi military partners, including the Kurdish Peshmerga Regional Guard Brigades, that emphasizes training and equipping and seeks to achieve the objective of building lasting, sustainable military capacity. Therefore, the committee further urges the Department to use funds authorized by this Act to be used predominantly to train and equip partner forces toward that objective. Finally, the committee believes U.S. security cooperation and military activities should nest within a whole-of-government approach, executed in coordination with coalition and NATO partners, to strengthen Iraq's governance and institutions of national defense, promote stability, shared economic prosperity, and broad reform.

#### SUBTITLE D—MATTERS RELATING TO RUSSIA

##### Section 1231—Extension of Limitation on Military Cooperation between the United States and Russia

This section would extend for 1 year section 1232(a) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328). This section would limit the use of fiscal year 2022 funds for bilateral military-to-military cooperation between the Government of the United States and Russia until the Secretary of Defense, in coordination with the Secretary of State, provides a certification to appropriate congressional committees relating to certain actions by Russia.

##### Section 1232—Prohibition on Availability of Funds Relating to Sovereignty of Russia over Crimea

This section would extend by 1 year the prohibition imposed by section 1245 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). This section would prohibit the use of fiscal year 2022 funds to implement any activity that recognizes the sovereignty of Russia over Crimea. This section would also allow the Secretary of Defense, with the concurrence of the Secretary of State, to waive the prohibition if the Secretary of Defense determines that doing so would be in the national security interest of the United States and submits a notification to the House Committee on Armed Services, the Senate Committee on Armed Services, the Senate Committee on Foreign Relations, and the House Committee on Foreign Affairs.

##### Section 1233—Modification and Extension of Ukraine Security Assistance Initiative

This section would extend by 1 year section 1250 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) to authorize the Secretary of Defense to provide security assistance and intelligence support to the Government of Ukraine, with the concurrence of the Secretary of State. This section would also authorize \$275.0 million to carry out this authority in fiscal year 2022.

Section 1234—Biennial Report on Russian Influence Operations and Campaigns Targeting Military Alliances and Partnerships of Which the United States is a Member

This section would require a biennial report on Russia's influence operations and campaigns targeting U.S. military alliances and partnerships.

SUBTITLE E—MATTERS RELATING TO THE INDO-PACIFIC REGION

Section 1241—Sense of Congress on a Free and Open Indo-Pacific Region

This section would express the sense of Congress on the United States' steadfast commitment to a free and open Indo-Pacific region, including the central role of close U.S. alliances and partnerships in deterring aggression and countering malign activity by the Governments of the People's Republic of China and North Korea. This section would also express the sense of Congress that the United States should continue to invest in military posture and capabilities in the Indo-Pacific.

The committee condemns aggressive actions by the Government of the People's Republic of China to disrupt U.S. alliances, values, and partnerships; threaten its neighbors; renege on its commitments regarding autonomy, democracy, and freedom of expression in Hong Kong; and violate fundamental human rights in Xinjiang. The committee supports the executive branch's continued efforts to counter the Government of the People's Republic of China's aggressive behavior, territorial claims, and violations of rules and international norms, and to increase cooperation with allies and partners in the Indo-Pacific and worldwide against these challenges.

Section 1242—Sense of Congress on Taiwan Defense Relations

This section would express the sense of Congress regarding Taiwan defense relations.

Section 1243—Report on Military and Security Developments Involving the People's Republic of China

This section would modify current annual reporting requirements on military and security developments involving the People's Republic of China.

Section 1244—Biennial Report on Influence Operations and Campaigns of the Government of the People's Republic of China Targeting Military Alliances and Partnerships of Which the United States Is a Member

This section would require a biennial report on the Government of the People's Republic of China's influence operations and campaigns targeting U.S. military alliances and partnerships.

Section 1245—Report on Efforts by the People's Republic of China to Expand Its Presence and Influence in Latin America and the Caribbean

This section would direct the Secretary of Defense, with concurrence of the Secretary of State, and in coordination with the Secretary of the Treasury and the Director of National Intelligence, to submit a report on the Government of the People's Republic of China's efforts to expand its presence and influence in Latin America and the Caribbean.

## TITLE XIII—OTHER MATTERS RELATING TO FOREIGN NATIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—MATTERS RELATING TO EUROPE AND NATO

Section 1301—Sense of Congress on United States Defense Posture in Europe

This section would express the sense of Congress on United States defense posture in Europe.

Section 1302—Sense of Congress on Security Assistance to the Baltic Countries

This section would express the sense of Congress on security assistance to the Baltic countries.

Section 1303—Report on the State of United States Military Investment in Europe including the European Deterrence Initiative

This section would require a report outlining the current state of U.S. defense investments in Europe.

#### SUBTITLE B—SECURITY COOPERATION AND ASSISTANCE

Section 1311—Extension of Authority for Certain Payments to Redress Injury and Loss

This section would extend through December 31, 2023, the authority to make ex gratia payments for damage, personal injury, or death that is incident to combat operations of the United States Armed Forces, under section 1213 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92).

#### Section 1312—Foreign Area Officer Assessment and Review

This section would require an independent assessment and comprehensive review of the development, advancement, retention, and utilization of Foreign Area Officers (FAOs) and the feasibility of billeting more Senior Defense Official roles to FAOs.

### SUBTITLE C—OTHER MATTERS

#### Section 1321—Extension of Authority for Department of Defense Support for Stabilization Activities in National Security Interest of the United States

This section would extend the authority to conduct programs authorized under section 1210A of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116-92), Defense Support for Stabilization Activities in National Security Interest of the United States.

## TITLE XIV—OTHER AUTHORIZATIONS

### LEGISLATIVE PROVISIONS

#### SUBTITLE A—MILITARY PROGRAMS

#### Section 1401—Working Capital Funds

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

#### Section 1402—Chemical Agents and Munitions Destruction, Defense

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

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

This section would authorize appropriations for Drug Interdiction and Counter-Drug Activities, Defense-wide at the levels identified in section 4501 of division D of this Act.

## Section 1404—Defense Inspector General

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

## Section 1405—Defense Health Program

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

# TITLE XV—CYBERSPACE-RELATED MATTERS

## LEGISLATIVE PROVISIONS

### SUBTITLE A—CYBER THREATS

#### Section 1501—Cyber Threat Information Collaboration Environment

This section would direct the Secretary of Homeland Security, in coordination with the Secretary of Defense and the Director of National Intelligence, acting through the Director of the National Security Agency, to develop an information collaboration environment that enables entities to identify, mitigate, and prevent malicious cyber activity. The collaboration environment would provide limited access to appropriate operationally relevant data about cybersecurity risks and cybersecurity threats, including malware forensics and data from network sensor programs, on a platform that enables query and analysis.

#### Section 1502—Enterprise-Wide Procurement of Commercial Cyber Threat Information Products

This section would direct Joint Forces Headquarters-Department of Defense Information Networks to establish a program management office for the purposes of procuring and managing the Department of Defense's enterprise-wide licensing and use of commercial threat information products.

### SUBTITLE B—CYBER SYSTEMS AND OPERATIONS

#### Section 1512—Update Relating to Responsibilities of Chief Information Officer

This section would update the responsibilities of the Chief Information Officer to reflect the new organization at the National Security Agency responsible for cybersecurity.

### SUBTITLE C—CYBER WEAPONS

## Section 1521—Notification Requirements regarding Cyber Weapons

This section would establish a limitation of funds on the Office of the Secretary of Defense, to remain until the congressional defense committees are presented with a report from the Secretary of Defense establishing a definition for a "cyber capability" which includes software, hardware, toolkits and other information technologies developed using funds from the Cyberspace Activities Budget of the Department of Defense that may be used in operations authorized under title 10, United States Code.

## Section 1522—Cybersecurity of Weapon Systems

This section would modify section 1640 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) to add two mission elements to the portfolio of the Strategic Cybersecurity Program. Additionally, this section would add a requirement for a biannual report to the congressional defense committees on the work of the Strategic Cybersecurity Program.

# TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS

## LEGISLATIVE PROVISIONS

### SUBTITLE A—SPACE ACTIVITIES

## Section 1601—Improvements to Tactically Responsive Space Launch Program

This section would express the sense of Congress regarding the successful tactically responsive launch-2 mission conducted by the U.S. Space Force, and how it should be used as a pathfinder to inform future concepts of operation for responsive launches. This section would further modify section 1609 of the William M. (Mac) National Defense Authorization Act for Fiscal Year 2021 (Public Law 116–283) to require the Secretary of Defense, in consultation with the Director of National Intelligence, to support the tactically responsive launch program to ensure that the program addresses: (1) The ability to rapidly place on-orbit systems to respond to urgent needs of the commanders of the combatant commands or to reconstitute space assets and capabilities to support national security priorities; and (2) The entire launch process, including with respect to launch services, satellite bus and payload availability, and operations and sustainment on-orbit.

This section would also require the Secretary of Defense to submit a plan to Congress on the future of the tactically responsive space launch program.

## Section 1602—National Security Space Launch Program

This section would express a sense of congress that the Department of Defense and National Reconnaissance Office (NRO) should, to the extent possible, use services under phase two of the National Security Space Launch (NSSL) program. This section would also establish policy that the NSSL program should be used to the maximum extent possible for space launches that fall within the requirements of phase two and maximize continuous competition as the U.S. Space Force initiates planning for phase three of the program.

This section would further require a congressional notification within seven days in the event the Department or NRO determines a launch that could be met under the requirements of NSSL phase two will use an alternative launch procurement approach. Lastly, the section would require the Secretary of Defense, in coordination with the Director of National Intelligence, Chief of Space Operations, and the Director of the Space Development Agency, submit a report within 90 days after the date of enactment of this Act on plans of the Secretary to address, with respect to launches that would be procured in addition to or outside of launches under NSSL phase two, emerging launch requirements in the areas of space access, mobility, and logistics.

#### Section 1603—Classification Review of Programs of the Space Force

This section would require the Chief of Space Operations to conduct a classification review of each classified program under the authority of the Space Force to determine if any programs should be reclassified or declassified. The review would need to be conducted in coordination with the Assistant Secretary of Defense for Space Policy, and any other heads of elements of the Department of Defense as appropriate. This section would also require the Chief of Space Operations to submit a report to the congressional defense committees on any programs that would be subject to a classification change due to the review conducted.

#### Section 1605—Norms of Behavior for International Rules-Based Order in Space

This section would require the covered officials to each submit to the National Space Council, not later than 90 days after the date of the enactment of this Act, a list of prioritized objectives with respect to establishing norms of behavior in space to be addressed through bilateral and multilateral negotiations relating to an international rules-based order in space. The goal would be to bolster and further develop the international rules-based order, particularly as it applies to the space domain. The list of covered officials includes:

(1) the Under Secretary of Defense for Policy, in consultation with the Chief of Space Operations, the Commander of U.S. Space Command, and the Director of National Geospatial-Intelligence Agency;

(2) the Assistant Secretary of State for Arms Control, Verification, and Compliance;



(3) the Administrator of the National Aeronautics and Space Administration; and

(4) the Director of the National Reconnaissance Office.

This section would further require the National Space Council to consolidate the lists received, and the Secretary of State, in collaboration with other heads of relevant departments and agencies of the Federal Government, to use such consolidated list as a guide to establish a framework for bilateral and multilateral negotiations.

Lastly, this section would require the National Space Council to provide the consolidated list of priorities to the congressional defense committees; the Committee on Foreign Affairs, the Committee on Science, Space, and Technology, and the Permanent Select Committee on Intelligence of the House of Representatives; and the Committee on Foreign Relations, the Committee on Commerce, Science, and Transportation, and the Select Committee on Intelligence of the Senate.

#### SUBTITLE C—NUCLEAR FORCES

##### Section 1623—Review of Safety, Security, and Reliability of Nuclear Weapons and Related Systems

This section would direct the Secretary of Defense to create an independent advisory committee to review the safety, security, and reliability of U.S. nuclear weapons systems; nuclear command, control, and communications; and the integrated tactical warning/attack assessment system. This section also contains findings that discuss a similar previous study conducted in 1990. The review would last not more than 1 year and provide options and recommendations to the Secretary of Defense on altering U.S. nuclear modernization programs to cybersecurity, strengthen safeguards, and prevent unauthorized or inadvertent incidents. The review would also provide options for nuclear risk reduction measures focused on confidence and predictability that United States could carry out alone or with near-peer adversaries.

##### Section 1624—Review of Engineering and Manufacturing Development Contract for Ground-Based Strategic Deterrent Program

This section would require the Secretary of the Air Force to conduct a review of the Ground Based Strategic Deterrent program and provide a report to the congressional defense committees within 270 days after the date of the enactment of this Act. This section would also require the Secretary of the Air Force to provide a briefing to the congressional defense committees on implementation of the recommendations of the review within 90 days of submittal of the report to the congressional defense committees. The review would examine:

(1) the schedule, cost, and execution of Ground Based Strategic Deterrent Program;

(2) the ability of the program to leverage competition during the operations and maintenance phase of the program;

(3) the ability of the program to implement industry best practices; and

(4) the ability of the program to leverage digital engineering.

This section would require the Secretary of the Air Force to appoint at least two experts with expertise from outside of the defense industry to the review.

#### Section 1625—Long-Range Standoff Weapon

This section would require the Secretary of the Air Force, before awarding the procurement portion of the long-range standoff weapon (LRSO) contract, to provide the following the congressional defense committees:

(1) an updated cost estimate for the procurement portion of the LRSO;

(2) a certification that Future Years Defense Program funding includes or will include estimated funding for the program specified in such cost estimate; and

(3) a copy of the justification and approval documentation regarding the Secretary determining to award a sole-source contract for the program, including with respect to how the Secretary will manage the cost of the program in the absence of competition.

This section would also require the Secretary of the Air Force to provide a briefing, not later than 90 days after the date of the enactment of this Act, on how the timely development of the LRSO may serve as a hedge to delays in other nuclear modernization efforts, how potential W80-4 warhead delays may affect the LRSO initial operational capability, options to adjust the budget profile of the LRSO to ensure the program remains on schedule, a plan to reconcile the cost estimates of the Air Force and the Director of Cost Assessment and Program Evaluation, and a plan to ensure best value to the United States for the procurement portion of the program.

#### SUBTITLE D—MISSILE DEFENSE PROGRAMS

##### Section 1633—Missile Defense Radar in Hawaii

This section would provide a sense of Congress that the State of Hawaii should have equivalent discrimination radar coverage as that of the continental United States and Alaska once the long range discrimination radar is made operational, and to achieve that, the Secretary of Defense should restore the Hawaii discrimination radar with adequate planned funding to achieve operational status by December 31, 2028, to coincide with delivery of the next generation interceptor. This section would further require a certification as a part of the defense materials provided for the fiscal year 2023 budget request that the radar has been funded across the Future Years Defense Program and the radar will be operational, with associated communications systems, not later than December 31, 2028.

#### SUBTITLE E—OTHER MATTERS

## Section 1641—Cooperative Threat Reduction Funds

This section would allocate specific funding amounts for each program under the Department of Defense Cooperative Threat Reduction (CTR) Program from within the overall \$239.8 million that the committee would authorize for the Cooperative Threat Reduction Program. The allocation under this section reflects the amount of the budget request for fiscal year 2022.

This section would specify that funds authorized to be appropriated to the Department of Defense for the Cooperative Threat Reduction Program, established under the Department of Defense Cooperative Threat Reduction Act (50 U.S.C. 3711), would be available for obligation for fiscal years 2022, 2023, and 2024.

## TITLE XVII—TECHNICAL AMENDMENTS RELATED TO TITLE XVIII OF THE FY2021 NDAA

### LEGISLATIVE PROVISIONS

#### Section 1701—Technical, Conforming, and Clerical Amendments Related To the Transfer and Reorganization of Defense Acquisition Statutes

This section would make technical, conforming, and clerical amendments to certain provisions in title XVIII of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

#### Section 1702—Conforming Cross Reference Technical Amendments Related to the Transfer and Reorganization of Defense Acquisition Statutes

This section would adopt conforming cross reference amendments in the U.S. Code due to redesignations made by title 18 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283).

## DIVISION B—MILITARY CONSTRUCTION AUTHORIZATIONS

### TITLE XXVIII—MILITARY CONSTRUCTION GENERAL PROVISIONS

#### LEGISLATIVE PROVISIONS

##### SUBTITLE B—CONTINUATION OF MILITARY HOUSING REFORMS

#### Section 2811—Applicability of Window Fall Prevention Requirements to All Military Family Housing whether Privatized or Government-Owned and Government-Controlled

This section would clarify that window fall prevention requirements apply to all military family housing regardless of whether the housing is privatized or owned and operated by the Government.

Section 2812—Modification of Military Housing to Accommodate Tenants with Disabilities

This section would amend section 2891a of title 10, United States Code, by clarifying military privatized family housing landlord responsibilities in relation to those tenants with a disability. Once informed of a tenant with special needs, the landlord would be responsible for modifying the housing unit to comply with Americans with Disabilities Act standards.

SUBTITLE D—MILITARY FACILITIES MASTER PLAN REQUIREMENTS

Section 2833—Congressional Oversight of Master Plans for Army Ammunition Plants Guiding Future Infrastructure, Facility, and Production Equipment Improvements

This section would require the Assistant Secretary of the Army for Acquisition, Logistics, and Technology to submit to the congressional defense committees not later than March 31, 2022, and annually for the following 4 years, the facilities master plans for the government-owned, contractor-operated ammunition plants, that includes cost estimates prioritized by activity.

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

**TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**

**LEGISLATIVE PROVISIONS**

SUBTITLE A—NATIONAL SECURITY PROGRAM AUTHORIZATIONS

Section 3101—National Nuclear Security Administration

This section would authorize appropriations for the National Nuclear Security Administration of the Department of Energy for fiscal year 2022 at the levels specified in the funding table in division D of this Act.

Section 3102—Defense Environmental Cleanup

This section would authorize appropriations for defense environmental cleanup for the Department of Energy for fiscal year 2022 at the levels specified in the funding table in division D of this Act.

#### Section 3103—Other Defense Activities

This section would authorize appropriations for other defense activities for the Department of Energy for fiscal year 2022 at the levels specified in the funding table in division D of this Act.

#### Section 3104—Nuclear Energy

This section would authorize appropriations for nuclear energy for the Department of Energy for fiscal year 2022 at the levels specified in the funding table in division D of this Act.

### SUBTITLE B—PROGRAM AUTHORIZATIONS, RESTRICTIONS, LIMITATIONS, AND OTHER MATTERS

#### Section 3112—Modifications to Certain Reporting Requirements

This section would consolidate, amend, and repeal various reporting requirements of the Secretary of Energy and the Administrator of the National Nuclear Security Administration.

#### Section 3113—Plutonium Pit Production Capacity

This section would require briefings, reports, and a certification related to the National Nuclear Security Administration's plutonium enterprise.

This section contains a certification requirement, to be provided jointly by the Assistant Secretary for Environmental Management and the Deputy Administrator of the National Nuclear Security Administration for Defense Programs, when a plutonium pit production project achieves a critical decision milestone, that the operations, infrastructure, and workforce are adequate to carry out delivery and disposal of waste shipments. If certification is not possible, the Assistant Secretary for Environmental Management and the Deputy Administrator for Defense Programs must provide a plan to ensure such shipments and disposal can be carried out.

This section would also require the Administrator of the National Nuclear Security Administration to provide yearly reports, after achieving critical decision 2 on a plutonium pit production project, on the pit production requirements, risks and challenges, options available to the Administrator to balance scope, cost, and production requirements to decrease risk, and an explanation of any changes from the previous year's report.

This section would also requires a briefing from the Director of the Cost Estimation and Program Evaluation and the Administrator on the adequacy of the Federal workforce to carryout the plutonium mission.

#### Section 3114—Report on Runit Dome and Related Hazards

This section would require the Secretary of the Interior to submit to the congressional defense committees a report, prepared by independent experts, on the impacts of climate change on the Runit Dome nuclear waste disposal site in Enewetak Atoll, Marshall Islands. This section would require a detailed scientific analysis of any threats to the environment, and to the health and safety, of the residents of Enewetak Atoll. This section would also require that the report include participation by Marshallese experts and be posted to the Federal Register for public comment for not less than 60 days.

### TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

#### LEGISLATIVE PROVISIONS

##### Section 3201—Authorization

This section would authorize \$31.0 million for the Defense Nuclear Facilities Safety Board.

### TITLE XXXV—MARITIME ADMINISTRATION

#### LEGISLATIVE PROVISIONS

##### SUBTITLE B—OTHER MATTERS

##### Section 3511—Effective Period for Issuance of Documentation for Recreational Vessels

This section would make a technical correction that would allow the Coast Guard to issue a recreational vessel a certificate of documentation for up to 5 years.

### DIVISION D—FUNDING TABLES

#### Section 4001—Authorization of Amounts in Funding Tables

This section would provide for the allocation of funds among programs, projects, and activities in accordance with the tables in division D of this Act, subject to reprogramming guidance in accordance with established procedures.

Consistent with the previously expressed views of the committee, this section would also require that a decision by an agency head to commit, obligate, or expend funds to a specific entity on the basis of such funding tables be based on merit-based selection procedures in accordance with the requirements of section 2304(k) and section 2374 of title 10, United States Code, and other applicable provisions of law, except when the project, program, or activity is identified as Community Project Funding in section 4201.

## **DIVISION E—NON-DEPARTMENT OF DEFENSE MATTERS**

### **TITLE LI—FINANCIAL SERVICE MATTERS**

#### **Section 5101—Enhanced Protection against Debt Collector Harassment of Servicemembers**

This section would amend section 805 of the Fair Debt Collection Practices Act (15 U.S.C. 1692c) to prohibit a debt collector from using unfair threatening practices in connection with the collection of debt from servicemembers and veterans.

#### **Section 5102—Comptroller General Study on Enhanced Protection against Debt Collector Harassment of Servicemembers**

This section would require the Comptroller General of the United States to conduct a study and submit a report concerning the implementation of the enhanced protections of debt collector harassment of service members.

#### **Section 5103—Support to Enhance the Capacity of International Monetary Fund Members to Evaluate the Legal and Financial Terms of Sovereign Debt Contracts**

This section would require the Secretary of the Treasury to direct the United States Executive Director at the International Monetary Fund to advocate that the Fund provide technical assistance to Fund members seeking to enhance their capacity to evaluate the legal and financial terms of sovereign debt contracts.

#### **Section 5104—Adverse Information in Cases of Trafficking**

This section would prohibit a consumer reporting agency from furnishing a consumer report containing adverse items of information about a consumer that resulted from a severe form of trafficking in persons or sex trafficking.

#### **Section 5105—United States Policy regarding International Financial Institution Assistance with Respect to Advanced Wireless Technologies**

This section would require the Secretary of the Treasury to instruct the United States Executive Directors at each international financial institute to support assistance to advanced wireless technologies if they provide appropriate security for users, encourage assistance that facilitate the use of security advanced wireless technologies, and cooperate, to the maximum extent practicable, with member states to strengthen international support for such technologies. The section would further require annual reporting on progress made toward such policy.

## TITLE LX—OTHER MATTERS

### Section 6002—Property Disposition for Affordable Housing

This section would amend section 5334(h)(1) of title 49, United States Code, and would allow for the transfer of government land for the use of affordable housing.



# **BILL LANGUAGE**

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

3 **SEC. 101 [Log 73230]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6 fiscal year 2022 for procurement for the Army, the Navy  
7 and the Marine Corps, the Air Force and the Space Force,  
8 and Defense-wide activities, as specified in the funding  
9 table in section 4101.

1       **Subtitle D—Air Force Programs**

2       **SEC. 131 [Log 73186]. CONTRACT FOR LOGISTICS SUPPORT**

3                       **FOR VC-25B AIRCRAFT.**

4               Section 143 of the John S. McCain National Defense  
5 Authorization Act for Fiscal Year 2019 (Public Law 115–  
6 232; 132 Stat. 1668) is amended—

7                       (1) in paragraph (1), by striking “, unless oth-  
8 erwise approved in accordance with established pro-  
9 cedures”; and

10                      (2) in paragraph (2), by inserting “such” be-  
11 fore “logistics support contract”.

1       **Subtitle E—Defense-wide, Joint,**  
2                   **and Multiservice Matters**

3       **SEC. 141 [Log 73002]. IMPLEMENTATION OF AFFORD-**  
4                   **ABILITY, OPERATIONAL, AND SUSTAINMENT**  
5                   **COST CONSTRAINTS FOR THE F-35 AIRCRAFT**  
6                   **PROGRAM.**

7       (a) F-35A QUANTITY LIMIT FOR THE AIR FORCE.—

8               (1) LIMITATION.—Beginning on October 1,  
9       2026, the total number of F-35A aircraft that the  
10       Secretary of the Air Force may maintain in the air-  
11       craft inventory of the Air Force may not exceed the  
12       lesser of—

13                   (A) 1,763; or

14                   (B) the number obtained by—

15                               (i) multiplying 1,763 by the cost-per-  
16                               tail factor determined under paragraph  
17                               (2); and

18                               (ii) rounding the product of the cal-  
19                               culation under clause (i) to the nearest  
20                               whole number.

21               (2) COST-PER-TAIL FACTOR.—For purposes of  
22       paragraph (1)(B), the cost-per-tail factor is equal  
23       to—

24                   (A) 4,100,000, divided by

1 (B) a number equal to the average cost-  
2 per-tail-per-year of the F-35A aircraft of the  
3 Air Force during fiscal year 2025 (as deter-  
4 mined by the Secretary of the Air Force in ac-  
5 cordance with subsection (e)).

6 (b) F-35B QUANTITY LIMIT FOR THE MARINE  
7 CORPS.—

8 (1) LIMITATION.—Beginning on October 1,  
9 2026, the total number of F-35B aircraft that the  
10 Secretary of the Navy may maintain in the aircraft  
11 inventory of the Marine Corps may not exceed the  
12 lesser of—

13 (A) 353; or

14 (B) the number obtained by—

15 (i) multiplying 353 by the cost-per-tail  
16 factor determined under paragraph (2);  
17 and

18 (ii) rounding the product of the cal-  
19 culation under clause (i) to the nearest  
20 whole number.

21 (2) COST-PER-TAIL FACTOR.—For purposes of  
22 paragraph (1)(B), the cost-per-tail factor is equal  
23 to—

24 (A) 6,800,000, divided by

1 (B) a number equal to the average cost-  
2 per-tail-per-year of the F-35B aircraft of the  
3 Marine Corps during fiscal year 2025 (as deter-  
4 mined by the Secretary of the Navy in accord-  
5 ance with subsection (e)).

6 (c) F-35C QUANTITY LIMIT FOR THE NAVY.—

7 (1) LIMITATION.—Beginning on October 1,  
8 2026, the total number of F-35C aircraft that the  
9 Secretary of the Navy may maintain in the aircraft  
10 inventory of the Navy may not exceed the lesser of—

11 (A) 273; or

12 (B) the number obtained by—

13 (i) multiplying 273 by the cost-per-tail  
14 factor determined under paragraph (2);  
15 and

16 (ii) rounding the product of the cal-  
17 culation under clause (i) to the nearest  
18 whole number.

19 (2) COST-PER-TAIL FACTOR.—For purposes of  
20 paragraph (1)(B), the cost-per-tail factor is equal  
21 to—

22 (A) 7,500,000, divided by

23 (B) a number equal to the average cost-  
24 per-tail-per-year of the F-35C aircraft of the  
25 Navy during fiscal year 2025 (as determined by

1 the Secretary of the Navy in accordance with  
2 subsection (e)).

3 (d) F-35C QUANTITY LIMIT FOR THE MARINE  
4 CORPS.—

5 (1) LIMITATION.—Beginning on October 1,  
6 2026, the total number of F-35C aircraft that the  
7 Secretary of the Navy may maintain in the aircraft  
8 inventory of the Marine Corps may not exceed the  
9 lesser of—

10 (A) 67; or

11 (B) the number obtained by—

12 (i) multiplying 67 by the cost-per-tail  
13 factor determined under paragraph (2);  
14 and

15 (ii) rounding the product of the cal-  
16 culation under clause (i) to the nearest  
17 whole number.

18 (2) COST-PER-TAIL FACTOR.—For purposes of  
19 paragraph (1)(B), the cost-per-tail factor is equal  
20 to—

21 (A) 6,800,000, divided by

22 (B) a number equal to the average cost-  
23 per-tail-per-year of the F-35C aircraft of the  
24 Marine Corps during fiscal year 2025 (as deter-

1           mined by the Secretary of the Navy in accord-  
2           ance with subsection (e)).

3           (e) DETERMINATION OF COST-PER-TAIL-PER-YEAR  
4 FOR FISCAL YEAR 2025.—

5           (1) IN GENERAL.—Not later than 90 days after  
6           the end of fiscal year 2025—

7                   (A) the Secretary of the Air Force shall  
8                   determine the average cost-per-tail of the F–  
9                   35A aircraft of the Air Force during fiscal year  
10                  2025; and

11                   (B) the Secretary of the Navy shall deter-  
12                  mine the average cost-per-tail of—

13                           (i) the F–35B aircraft of the Marine  
14                           Corps during such fiscal year;

15                           (ii) the F–35C aircraft of the Navy  
16                           during such fiscal year; and

17                           (iii) the F–35C aircraft of the Marine  
18                           Corps during such fiscal year.

19           (2) CALCULATION.—For purposes of paragraph  
20           (1), the average cost-per-tail of a variant of an F–  
21           35 aircraft of an Armed Force shall be determined  
22           by—

23                   (A) adding the total amount expended for  
24                   fiscal year 2025 (in base year fiscal 2012 dol-



1           lars) for all such aircraft in the inventory of the  
2           Armed Force for—

3                   (i) unit level manpower;

4                   (ii) unit operations;

5                   (iii) maintenance;

6                   (iv) sustaining support;

7                   (v) continuing system support; and

8                   (vi) modifications; and

9                   (B) dividing the sum obtained under sub-  
10           paragraph (A) by the average number of such  
11           aircraft in the inventory of the Armed Force  
12           during such fiscal year.

13           (f) AIRCRAFT DEFINED.—In this section, the term  
14           “aircraft” means aircraft owned and operated by an  
15           Armed Force of the United States and does not include  
16           aircraft owned or operated by an armed force of a foreign  
17           country.

1 **SEC. 142 [Log 73457]. LIMITATION ON AVAILABILITY OF**  
2 **FUNDS FOR AIRCRAFT SYSTEMS FOR THE**  
3 **ARMED OVERWATCH PROGRAM.**

4 (a) LIMITATION.—Of the funds authorized to be ap-  
5 propriated by this Act or otherwise made available for fis-  
6 cal year 2022 for the Department of Defense for the pro-  
7 curement of aircraft systems for the armed overwatch pro-  
8 gram of the United States Special Operations Command,  
9 not more than 50 percent may be obligated or expended  
10 until the date on which the documentation described in  
11 subsection (b) is submitted to the congressional defense  
12 committees.

13 (b) DOCUMENTATION DESCRIBED.—The documenta-  
14 tion described in this subsection includes the following:

15 (1) The airborne intelligence, surveillance, and  
16 reconnaissance acquisition roadmap for the United  
17 States Special Operations Command required to be  
18 submitted to the congressional defense committees  
19 under section 165 of the William M. (Mac) Thorn-  
20 berry National Defense Authorization Act for Fiscal  
21 Year 2021 (Public Law 116–283).

22 (2) A report from the Secretary of Defense on  
23 the potential of utilizing a mixed-use fleet of aircraft  
24 systems for the armed overwatch program of the  
25 United States Special Operations Command, includ-  
26 ing—

1 (A) existing capabilities that may be used  
2 in place of a mixed-use fleet of aircraft systems  
3 until potential systems are procured;

4 (B) any future plans to develop, procure,  
5 and field such systems;

6 (C) the risks posed by current capability  
7 gaps and, if such systems are to be procured,  
8 the level of risk that the Secretary determines  
9 to be acceptable until such systems are pro-  
10 cured; and

11 (D) a description of any actions the Sec-  
12 retary has taken, or intends to take, to mitigate  
13 such risk.

14 (3) A certification from the Secretary of De-  
15 fense specifying the future plans for the armed  
16 overwatch aircraft systems of the United States Spe-  
17 cial Operations Command, including details regard-  
18 ing the manner in which such systems will be em-  
19 ployed.

20 (4) Documentation on the impact to legacy air-  
21 craft, including the U-28A.

22 (c) REQUIREMENT TO MAINTAIN CAPABILITIES.—  
23 Until such time as the Secretary of Defense identifies a  
24 suitable replacement for the U-28 aircraft, the Secretary  
25 shall maintain the U-28 aircraft platform to provide nec-

1 essary capabilities to sustain operations to meet the oper-  
2 ational intelligence, surveillance, and reconnaissance re-  
3 quirements of combatant commanders.

1 **SEC. 143 [Log 73429]. MAJOR WEAPON SYSTEMS CAPA-**  
2 **BILITY ASSESSMENT PROCESS AND PROCE-**  
3 **DURE REVIEW AND REPORT.**

4 (a) REVIEW.—The Secretary of Defense shall review,  
5 and modify as appropriate, the processes of the Depart-  
6 ment for the management of strategic risk with respect  
7 to capabilities of major weapon systems, including the  
8 processes for—

9 (1) ensuring the suitability of major weapon  
10 systems to address current and emerging military  
11 threats; and

12 (2) identifying for upgrade or replacement any  
13 fielded major weapon system that is not capable of  
14 effectively meeting operational requirements.

15 (b) REPORT.—Not later than one year after the date  
16 of the enactment of this section, the Secretary of Defense  
17 shall submit to the congressional defense committees and  
18 the Comptroller General of the United States a report con-  
19 taining the following:

20 (1) A comprehensive description of the current  
21 policies and processes of the Department of Defense  
22 for—

23 (A) assessing the effectiveness, and the  
24 costs, of fielded major weapon systems in ad-  
25 dressing the current, mid-term, and long-term

1 threats identified in the contingency plans of  
2 the combatant commands;

3 (B) assessing tradeoffs, including in terms  
4 of resources, funding, time, capabilities, and  
5 programmatic and operational risk, between de-  
6 veloping a new major weapon system compared  
7 to—

8 (i) continued use of a fielded major  
9 weapon system; and

10 (ii) replacing a fielded major weapon  
11 system;

12 (C) developing strategies for the continued  
13 use or replacement of fielded major weapon sys-  
14 tems that ensure that the capabilities of major  
15 weapon systems are viable and resilient against  
16 evolving threats; and

17 (D) developing and implementing plans for  
18 the replacement and divestment of fielded major  
19 weapon systems that manage the related stra-  
20 tegic risk.

21 (2) The key factors considered by the Secretary  
22 of Defense when applying the policies and processes  
23 described in paragraph (1).

1           (3) An assessment of the extent to which the  
2 policies and processes described in paragraph (1) en-  
3 able the Secretary of Defense to—

4           (A) evaluate, at regular intervals, whether  
5 a major weapon system—

6           (i) meets operational requirements;

7           and

8           (ii) is capable of addressing emerging  
9 and evolving threats identified in the Na-  
10 tional Defense Strategy;

11          (B) efficiently and effectively determine if  
12 a fielded major weapon system should continue  
13 to be used or replaced and divested and—

14          (i) with respect to a fielded major  
15 weapon system that should continue to be  
16 used, how long such use should continue;  
17 and

18          (ii) with respect to a fielded major  
19 weapon system that should be replaced and  
20 divested—

21           (I) how long such replacement  
22 will take;

23           (II) the period over which such  
24 divestment should occur; and

1 (III) the expected improvements  
2 in the effectiveness of the replacement  
3 major weapon system to meet oper-  
4 ational requirements;

5 (C) effectively implement the determina-  
6 tions described in subparagraph (B); and

7 (D) manage strategic risk relative to the  
8 effectiveness of major weapon systems meeting  
9 operational requirements.

10 (4) An identification of the fielded major weap-  
11 on systems with respect to which the Secretary of  
12 Defense completed replacement or divestment during  
13 the period beginning on January 1, 2010, and end-  
14 ing on the date on which the report is submitted  
15 under this subsection.

16 (5) An assessment of the processes involved in  
17 the decisions of the Secretary of Defense to replace  
18 and divest the fielded major weapon systems identi-  
19 fied under paragraph (4), including an assessment  
20 of the effectiveness in meeting operational require-  
21 ments and the timeliness of those processes involved  
22 in making replacement decisions.

23 (6) An identification of any fielded major weap-  
24 on systems with respect to which, as of the date on  
25 which the report is submitted under this subsection,



1 the Secretary of Defense plans to complete replace-  
2 ment or divestment not later than December 31,  
3 2035.

4 (7) An analysis of the plans of the Secretary of  
5 Defense with respect to replacing or divesting the  
6 fielded major weapon systems identified under para-  
7 graph (6), including—

8 (A) the rationale supporting such replace-  
9 ment or divestment plans;

10 (B) any anticipated challenges to carrying  
11 out the replacement or divestments; and

12 (C) a description of how the Secretary of  
13 Defense will manage at an appropriate level the  
14 strategic risk relative to the availability and ef-  
15 fectiveness of the fielded major weapons sys-  
16 tems to be divested, including a description of  
17 any risk mitigation plans.

18 (8) An identification of the major weapon sys-  
19 tem upgrade efforts and the research, development,  
20 and acquisition programs to replace fielded major  
21 weapon systems that the Secretary of Defense—

22 (A) began after December 31, 2009; or

23 (B) as of the date on which the report is  
24 submitted under this subsection, plans to begin  
25 not later than December 31, 2035.

1           (9) An assessment of how the replacement  
2           major weapon systems from the programs identified  
3           under paragraph (8) will meet current and future  
4           operational requirements in the National Defense  
5           Strategy.

6           (c) COMPTROLLER GENERAL BRIEFING AND RE-  
7           PORT.—

8           (1) ASSESSMENTS.—The Comptroller General  
9           of the United States shall conduct a preliminary as-  
10          sessment and a detailed assessment of the report re-  
11          quired under subsection (b).

12          (2) BRIEFING.—Not later than 180 days after  
13          the date on which the Secretary of Defense submits  
14          to the Comptroller General the report required  
15          under subsection (b), the Comptroller General shall  
16          brief the congressional defense committees on the  
17          preliminary assessment of such report required  
18          under paragraph (1).

19          (3) REPORT.—The Comptroller General shall  
20          submit to the congressional defense committees a re-  
21          port on the findings of the detailed assessment re-  
22          quired under paragraph (1).

23          (d) DEFINITIONS.—In this section:

1           (1) The term “National Defense Strategy”  
2 means the strategy required under section 113(g) of  
3 title 10, United States Code.

4           (2) The term “major weapon system” has the  
5 meaning given such term under section 2379(f) of  
6 title 10, United States Code.

7           (3) The term “strategic risk” means a risk aris-  
8 ing from updating or replacing a major weapon sys-  
9 tem, or the decision to not update or replace a major  
10 weapon system.

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

3   **SEC. 201 [Log 73235]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6   fiscal year 2022 for the use of the Department of Defense  
7   for research, development, test, and evaluation, as speci-  
8   fied in the funding table in section 4201.

1 **SEC. 232 [Log 73411]. ADAPTIVE ENGINE TRANSITION PRO-**  
2 **GRAM ACQUISITION STRATEGY FOR THE F-**  
3 **35A AIRCRAFT.**

4 (a) IN GENERAL.—Not later than 14 days after the  
5 date on which the budget of the President for fiscal year  
6 2023 is submitted to Congress pursuant to section 1105  
7 of title 31, United States Code, the Under Secretary of  
8 Defense for Acquisition and Sustainment shall submit to  
9 the congressional defense committees a report on the inte-  
10 gration of the Adaptive Engine Transition Program pro-  
11 pulsion system into the F-35A aircraft.

12 (b) ELEMENTS.—The report required under sub-  
13 section (a) shall include the following:

14 (1) A competitive acquisition strategy, informed  
15 by fiscal considerations, to—

16 (A) integrate the Adaptive Engine Transi-  
17 tion Program propulsion system into the F-35A  
18 aircraft; and

19 (B) begin, in fiscal year 2027, activities to  
20 retrofit all F-35A aircraft with such propulsion  
21 system.

22 (2) An implementation plan to implement such  
23 strategy.

24 (3) A schedule annotating pertinent milestones  
25 and yearly fiscal resource requirements for the im-  
26 plementation of such strategy.

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

3   **SEC. 301 [Log 73236]. AUTHORIZATION OF APPROPRIA-**  
4                           **TIONS.**

5           Funds are hereby authorized to be appropriated for  
6   fiscal year 2022 for the use of the Armed Forces and other  
7   activities and agencies of the Department of Defense for  
8   expenses, not otherwise provided for, for operation and  
9   maintenance, as specified in the funding table in section  
10 4301.

1 **SEC. 319 [Log 73139]. PILOT PROGRAM ON USE OF SUSTAIN-**  
2 **ABLE AVIATION FUEL.**

3 (a) IN GENERAL.—The Secretary of Defense shall  
4 conduct a pilot program at two or more geographically di-  
5 verse Department of Defense facilities for the use of sus-  
6 tainable aviation fuel. Such program shall be designed  
7 to—

8 (1) identify any logistical challenges with re-  
9 spect to the use of sustainable aviation fuel by the  
10 Department of Defense;

11 (2) promote understanding of the technical and  
12 performance characteristics of sustainable aviation  
13 fuel when used in a military setting; and

14 (3) engage nearby commercial airports to ex-  
15 plore opportunities and challenges to partner on in-  
16 creased use of sustainable aviation fuel.

17 (b) SELECTION OF FACILITIES.—

18 (1) SELECTION.—Not later than one year after  
19 the date of the enactment of this Act, the Secretary  
20 of Defense shall select at least two geographically di-  
21 verse Department facilities at which to carry out the  
22 pilot program. At least one such facility shall be a  
23 facility with an onsite refinery that is located in  
24 proximity to at least one major commercial airport  
25 that is also actively seeking to increase the use of  
26 sustainable aviation fuel.

1           (2) NOTICE TO CONGRESS.—Upon the selection  
2 of each facility under paragraph (1), the Secretary  
3 shall submit to the Committee on Armed Services  
4 and the Committee on Transportation and Infra-  
5 structure of the House of Representatives notice of  
6 the selection, including an identification of the facil-  
7 ity selected.

8           (c) USE OF SUSTAINABLE AVIATION FUEL.—

9           (1) PLANS.—For each facility selected under  
10 subsection (b), not later than one year after the se-  
11 lection of the facility, the Secretary shall—

12                   (A) develop a plan on how to implement,  
13 by September 30, 2028, a target of exclusively  
14 using at the facility aviation fuel that is blended  
15 to contain at least 10 percent sustainable avia-  
16 tion fuel;

17                   (B) submit the plan to the Committee on  
18 Armed Services and the Committee on Trans-  
19 portation and Infrastructure of the House of  
20 Representatives; and

21                   (C) provide to such Committees a briefing  
22 on the plan that includes, at a minimum—

23                           (i) a description of any operational,  
24 infrastructure, or logistical requirements



1 and recommendations for the blending and  
2 use of sustainable aviation fuel; and

3 (ii) a description of any stakeholder  
4 engagement in the development of the  
5 plan, including any consultations with  
6 nearby commercial airport owners or oper-  
7 ators.

8 (2) IMPLEMENTATION OF PLANS.—For each fa-  
9 cility selected under subsection (b), during the pe-  
10 riod beginning on a date that is not later than Sep-  
11 tember 30, 2028, and for five years thereafter, the  
12 Secretary shall require, in accordance with the re-  
13 spective plan developed under paragraph (1), the ex-  
14 clusive use at the facility of aviation fuel that is  
15 blended to contain at least 10 percent sustainable  
16 aviation fuel.

17 (d) CRITERIA FOR SUSTAINABLE AVIATION FUEL.—  
18 Sustainable aviation fuel used under the pilot program  
19 shall meet the following criteria:

20 (1) Such fuel shall be produced in the United  
21 States from non-agricultural and non-food-based do-  
22 mestic feedstock sources.

23 (2) Such fuel shall constitute drop-in fuel that  
24 meets all specifications and performance require-

1       ments of the Department of Defense and the Armed  
2       Forces.

3       (e) WAIVER.—The Secretary may waive the use of  
4       sustainable aviation fuel at a facility under the pilot pro-  
5       gram if the Secretary—

6           (1) determines such use is not feasible due to  
7       a lack of domestic availability of sustainable aviation  
8       fuel or a national security contingency; and

9           (2) submits to the congressional defense com-  
10       mittees notice of such waiver and the reasons for  
11       such waiver.

12       (f) FINAL REPORT.—At the conclusion of the pilot  
13       program, the Assistant Secretary of Defense for Energy,  
14       Installations, and Environment shall submit to the Com-  
15       mittee on Armed Services and the Committee on Trans-  
16       portation and Infrastructure of the House of Representa-  
17       tives a final report on the pilot program. Such report shall  
18       include each of the following:

19           (1) An assessment of the effect of using sus-  
20       tainable aviation fuel on the overall fuel costs of  
21       blended fuel.

22           (2) A description of any operational, infrastruc-  
23       ture, or logistical requirements and recommenda-  
24       tions for the blending and use of sustainable aviation

1 fuel, with a focus on scaling up military-wide adop-  
2 tion of such fuel.

3 (3) Recommendations with respect to how mili-  
4 tary installations can leverage proximity to commer-  
5 cial airports and other jet fuel consumers to increase  
6 the rate of use of sustainable aviation fuel, for both  
7 military and non-military use, including potential  
8 collaboration on innovative financing or purchasing  
9 and shared supply chain infrastructure.

10 (4) A description of the effects on performance  
11 and operation aircraft using sustainable aviation fuel  
12 including—

13 (A) if used, considerations of various  
14 blending ratios and their associated benefits;

15 (B) efficiency and distance improvements  
16 of flights fuels using sustainable aviation fuel;

17 (C) weight savings on large transportation  
18 aircraft and other types of aircraft with using  
19 blended fuel with higher concentrations of sus-  
20 tainable aviation fuel;

21 (D) maintenance benefits of using sustain-  
22 able aviation fuel, including engine longevity;

23 (E) the effect of the use of sustainable  
24 aviation fuel on emissions and air quality;

1 (F) the effect of the use of sustainable  
2 aviation fuel on the environment and on sur-  
3 rounding communities, including environmental  
4 justice factors that are created by the demand  
5 for and use of sustainable aviation fuel by the  
6 Department of Defense; and

7 (G) benefits with respect to job creation in  
8 the sustainable aviation fuel production and  
9 supply chain.

10 (g) SUSTAINABLE AVIATION FUEL DEFINED.—In  
11 this section, the term “sustainable aviation fuel” means  
12 liquid fuel that—

13 (1) consists of synthesized hydrocarbon;

14 (2) meets the requirements of—

15 (A) ASTM International Standard D7566  
16 (or such successor standard); or

17 (B) the co-processing provisions of ASTM  
18 International Standard D1655, Annex A1 (or  
19 such successor standard);

20 (3) is derived from biomass (as such term is de-  
21 fined in section 45K(c)(3) of the Internal Revenue  
22 Code of 1986), waste streams, renewable energy  
23 sources, or gaseous carbon oxides;

24 (4) is not derived from palm fatty acid dis-  
25 tillates; and

1           (5) conforms to the standards, recommended  
2 practices, requirements and criteria, supporting doc-  
3 uments, implementation elements, and any other  
4 technical guidance, for sustainable aviation fuels  
5 that are adopted by the International Civil Aviation  
6 Organization with the agreement of the United  
7 States.

1 **SEC. 334 [Log 73428]. REPORT AND CERTIFICATION RE-**  
2 **QUIREMENTS REGARDING SUSTAINMENT**  
3 **COSTS FOR F-35 AIRCRAFT PROGRAM.**

4 (a) REPORT.—Not later than March 1, 2022, the  
5 Secretary of Defense shall submit to the congressional de-  
6 fense committees a report on sustainment costs for the  
7 F-35 aircraft program. Such report shall include the fol-  
8 lowing:

9 (1) A detailed description and explanation of,  
10 and the actual cost data related to, sustainment  
11 costs for the F-35 aircraft program, including an  
12 identification and assessment of cost elements attrib-  
13 utable to the Federal Government or to contractors  
14 (disaggregated by the entity responsible for each  
15 portion of the cost element, including at the prime  
16 contractor and major subcontractor levels) with re-  
17 spect to such sustainment costs.

18 (2) An identification of the affordability targets  
19 of the Air Force, Navy, and Marine Corps, respec-  
20 tively, for sustainment costs for the F-35 aircraft  
21 program (expressed in cost per tail per year format  
22 and disaggregated by aircraft variant) for the fol-  
23 lowing years:

24 (A) With respect to the affordability target  
25 of the Air Force, for the year in which the Sec-  
26 retary of the Air Force completes the procure-

1           ment of the program of record number of F-35  
2           aircraft for the Air Force.

3           (B) With respect to the affordability target  
4           of the Navy, for the year in which the Secretary  
5           of the Navy completes the procurement of the  
6           program of record number of F-35 aircraft for  
7           the Navy; and

8           (C) With respect to the affordability target  
9           of the Marine Corps, for the year in which the  
10          Secretary of the Navy completes the procure-  
11          ment of the program of record number of F-35  
12          aircraft for the Marine Corps.

13          (3) A detailed plan for the reduction of  
14          sustainment costs for the F-35 aircraft program to  
15          achieve the affordability targets specified in para-  
16          graph (2), including a plan for contractors to reduce  
17          their portion of such sustainment costs.

18          (4) An identification of sustainment cost  
19          metrics for the F-35 aircraft program for each of  
20          fiscal years 2022 through 2026, expressed in cost  
21          per tail per year format.

22          (b) ANNUAL CERTIFICATION.—

23           (1) CERTIFICATIONS.—Not later than Decem-  
24          ber 31 of each of the years 2022 through 2026, the  
25          Secretary of Defense shall submit to the congress-

1 sional defense committees a certification indicating  
2 whether the F-35 aircraft program met the  
3 sustainment cost metrics identified pursuant to sub-  
4 section (a)(4) with respect to the fiscal year for  
5 which the report is submitted.

6 (2) JUSTIFICATION.—If a certification under  
7 paragraph (1) indicates that the sustainment cost  
8 metrics for the respective year were not met, the  
9 Secretary shall submit to the congressional defense  
10 committees a detailed justification for the outcome.

11 (c) LIMITATION ON CERTAIN CONTRACTS.—The Sec-  
12 retary of Defense may not enter into a performance-based  
13 logistics contract for the sustainment of the F-35 aircraft  
14 program until the Secretary submits to the congressional  
15 defense committees a certification that—

16 (1) the F-35 aircraft program has met the  
17 sustainment cost metrics identified pursuant to sub-  
18 section (a)(4) for two consecutive fiscal years, as in-  
19 dicated by two consecutive certifications submitted  
20 under subsection (b)(1); and

21 (2) the Secretary has determined that such a  
22 performance-based logistics contract will further re-  
23 duce sustainment costs for the F-35 aircraft pro-  
24 gram.



1 (d) COST PER TAIL PER YEAR DEFINED.—In this  
2 section, the term “cost per tail per year” means the aver-  
3 age annual operating and support cost (as estimated pur-  
4 suant to a formula determined by the Secretary) per air-  
5 craft.

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

3   **SEC. 421 [log72836]. MILITARY PERSONNEL.**

4           (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
5 are hereby authorized to be appropriated for fiscal year  
6 2022 for the use of the Armed Forces and other activities  
7 and agencies of the Department of Defense for expenses,  
8 not otherwise provided for, for military personnel, as spec-  
9 ified in the funding table in section 4401.

10          (b) CONSTRUCTION OF AUTHORIZATION.—The au-  
11 thorization of appropriations in the subsection (a) super-  
12 sedes any other authorization of appropriations (definite  
13 or indefinite) for such purpose for fiscal year 2022.

1 **SEC. 522 [Log 73178]. MANDATORY NOTIFICATION OF MEM-**  
2 **BERS OF THE ARMED FORCES IDENTIFIED IN**  
3 **CERTAIN RECORDS OF CRIMINAL INVESTIGA-**  
4 **TIONS.**

5 (a) IN GENERAL.—Chapter 80 of title 10, United  
6 States Code, is amended by adding at the end the fol-  
7 lowing new section:

8 **“§ 1567b. Mandatory notification of members of the**  
9 **armed forces identified in certain records**  
10 **of criminal investigations**

11 “(a) NOTIFICATION OF INCLUSION MCIO  
12 RECORDS.—As soon as practicable after the conclusion of  
13 a criminal investigation by a military criminal investiga-  
14 tive organization, the head of such organization shall pro-  
15 vide, to any member of the armed forces who is designated  
16 in the records of the organization as a subject of such in-  
17 vestigation, written notice of such designation.

18 “(b) INITIAL NOTIFICATION OF PREVIOUS INCLU-  
19 SION IN MCIO RECORDS.—Not later than 180 days after  
20 the date of the enactment of this section, the head of each  
21 military criminal investigative organization shall provide,  
22 to any member of the armed forces who is designated in  
23 the records of the organization as a subject of a criminal  
24 investigation that is closed as of such date, written notice  
25 of such designation.

1           “(c) CONTENTS OF NOTICE.—Each notice provided  
2 under subsection (a) and (b) shall include the following  
3 information—

4           “(1) The date on which the member was des-  
5 ignated as a subject of a criminal investigation in  
6 the records of the military criminal investigative or-  
7 ganization.

8           “(2) Identification of each crime for which the  
9 member was investigated, including a citation to  
10 each provision of chapter 47 of this title (the Uni-  
11 form Code of Military Justice) that the member was  
12 suspected of violating, if applicable.

13           “(3) Instructions on how the member may seek  
14 removal of the record in accordance with subsection  
15 (d).

16           “(d) REMOVAL OF RECORD.—The Secretary of De-  
17 fense shall—

18           “(1) establish a process through which a mem-  
19 ber of the armed forces who receives a notice under  
20 subsection (a) or (b) may request the removal of the  
21 record that is the subject of such notice; and

22           “(2) issue uniform guidance, applicable to all  
23 military criminal investigative organizations, speci-  
24 fying the conditions under which such a record may  
25 be removed.

1           “(e) MILITARY CRIMINAL INVESTIGATIVE ORGANIZA-  
2 TION DEFINED.—In this section, the term ‘military crimi-  
3 nal investigative organization’ means any organization or  
4 element of the Department of Defense or an armed force  
5 that is responsible for conducting criminal investigations,  
6 including—

7           “(1) the Army Criminal Investigation Com-  
8 mand;

9           “(2) the Naval Criminal Investigative Service;

10           “(3) the Air Force Office of Special Investiga-  
11 tions;

12           “(4) the Coast Guard Investigative Service; and

13           “(5) the Defense Criminal Investigative Serv-  
14 ice.”.

15           (b) CLERICAL AMENDMENT.—The table of sections  
16 at the beginning of such chapter is amended by adding  
17 at the end the following new item:

“1567b. Mandatory notification of members of the armed forces identified in  
certain records of criminal investigations.”.

1 **SEC. 523 [Log 72957]. REFORM AND IMPROVEMENT OF MILI-**  
2 **TARY CRIMINAL INVESTIGATIVE ORGANIZA-**  
3 **TIONS.**

4 (a) EVALUATION AND PLAN FOR REFORM.—Not  
5 later than one year after the date of the enactment of this  
6 Act, each Secretary concerned shall—

7 (1) complete an evaluation of the effectiveness  
8 of the military criminal investigative organizations  
9 under the jurisdiction of such Secretary: and

10 (2) submit to the Secretary of Defense and the  
11 Committees on Armed Services of the Senate and  
12 the House of Representatives a report that in-  
13 cludes—

14 (A) the results of the evaluation conducted  
15 under paragraph (1); and

16 (B) based on such results, a proposal for  
17 reforming such military criminal investigative  
18 organizations to ensure that the organizations  
19 effectively meet the demand for complex inves-  
20 tigation and other emerging mission require-  
21 ments.

22 (b) IMPLEMENTATION PLAN.—

23 (1) IN GENERAL.—Not later than two years  
24 after the date of the enactment of this Act, the Sec-  
25 retary of Defense shall submit to the appropriate  
26 congressional committees a plan to implement the

1 reforms to military criminal investigative organiza-  
2 tions proposed by the Secretaries concerned under  
3 subsection (a) to ensure each such organization is  
4 capable of professionally investigating criminal mis-  
5 conduct under its jurisdiction.

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

8 (A) The requirements that military crimi-  
9 nal investigative organizations must meet to ef-  
10 fectively carry out criminal investigative and  
11 other law enforcement missions in 2022 and  
12 subsequent years.

13 (B) The resources that will be needed to  
14 ensure that each military criminal investigative  
15 organization can achieve its mission.

16 (C) An analysis of factors affecting the  
17 performance of military criminal investigate or-  
18 ganizations, including—

19 (i) whether appropriate technological  
20 investigative tools are available and acces-  
21 sible to such organizations; and

22 (ii) whether the functions of such or-  
23 ganizations would be better supported by  
24 civilian rather than military leadership.

1 (D) For each military criminal investiga-  
2 tive organization—

3 (i) the number of military personnel  
4 assigned to such organization;

5 (ii) the number of civilian personnel  
6 assigned to such organization; and

7 (iii) the functions of such military and  
8 civilian personnel.

9 (E) A description of any plans of the Sec-  
10 retary to develop a more professional workforce  
11 of military and civilian investigators.

12 (F) A proposed timeline for the reform of  
13 the military investigative organizations.

14 (G) An explanation of the potential bene-  
15 fits of such reforms, including a description  
16 of—

17 (i) specific improvements that are ex-  
18 pected to result from the reforms; and

19 (ii) whether the reforms will improve  
20 information sharing across military crimi-  
21 nal investigative organizations.

22 (H) With respect to the military criminal  
23 investigative organizations of the Army, an ex-  
24 planation of how the plan will—



1 (i) address the findings of the report  
2 of the Fort Hood Independent Review  
3 Committee, dated November 6, 2020; and

4 (ii) coordinate with any other internal  
5 reform efforts of the Army.

6 (c) DEFINITIONS.—In this section:

7 (1) The term “appropriate congressional com-  
8 mittees” means—

9 (A) the Committee on Armed Services and  
10 the Committee on Commerce, Science, and  
11 Transportation of the Senate; and

12 (B) the Committee on Armed Services and  
13 the Committee on Transportation and Infra-  
14 structure of the House of Representatives.

15 (2) The term “military criminal investigative  
16 organization” means each organization or element of  
17 the Department of Defense or the Armed Forces  
18 that is responsible for conducting criminal investiga-  
19 tions, including—

20 (A) the Army Criminal Investigation Com-  
21 mand;

22 (B) the Naval Criminal Investigative Serv-  
23 ice;

24 (C) the Air Force Office of Special Inves-  
25 tigations;

1 (D) the Coast Guard Investigative Service;

2 and

3 (E) the Defense Criminal Investigative

4 Service.

5 (3) The term “Secretary concerned” has the

6 meaning given that term in section 101(a)(9) of title

7 10, United States Code.

1 **SEC. 524 [log73446]. MEASURES TO IMPROVE THE SAFETY**  
2 **AND SECURITY OF MEMBERS OF THE ARMED**  
3 **FORCES.**

4 (a) COMPREHENSIVE REVIEW OF MISSING PERSONS  
5 REPORTING.—The Secretary of Defense shall instruct the  
6 Secretary of each military department to undertake a com-  
7 prehensive review of the policies and procedures of such  
8 military department for reporting members of the Armed  
9 Forces absent without leave, on unauthorized absence, or  
10 missing.

11 (b) REVIEW OF INSTALLATION-LEVEL PROCE-  
12 DURES.—The commander of each military installation  
13 shall—

14 (1) direct each military installation under its  
15 command to review its policies and procedures for  
16 carrying out the reporting activities described under  
17 subsection (a); and

18 (2) update such installation-level policies and  
19 procedures with a view towards force protection, en-  
20 hanced security for members of the Armed Forces  
21 living on base, and prioritizing reporting at the ear-  
22 liest reasonable time to local law enforcement at all  
23 levels, and Federal law enforcement field offices with  
24 overlapping jurisdiction with that installation, when  
25 a member is determined to be missing.

1 (c) INSTALLATION-SPECIFIC REPORTING PROTO-  
2 COLS.—

3 (1) IN GENERAL.—The commander of each  
4 military installation shall establish a protocol for  
5 sharing information with local and Federal law en-  
6 forcement agencies about members of the Armed  
7 Forces that are absent without leave, on unauthor-  
8 ized absence, or missing. The protocol shall provide,  
9 by memorandum of understanding or otherwise, for  
10 the commander to notify all local and Federal law  
11 enforcement agencies with jurisdiction over the im-  
12 mediate area of the military installation—

13 (A) immediately when the status of a  
14 member assigned to such installation has been  
15 changed to absent without leave, on unauthor-  
16 ized absence, or missing (including whether the  
17 commander determines that such member has a  
18 violent intent, based on criteria including  
19 whether a firearm is missing from such military  
20 installation); and

21 (B) of the status of a member described in  
22 subparagraph (A), not less than once per week  
23 after notification under such subparagraph,  
24 until the commander changes the status of such  
25 member.

1           (2) REPORTING TO MILITARY INSTALLATION  
2           COMMAND.—The commander of each military instal-  
3           lation shall submit the protocol established pursuant  
4           to paragraph (1) to the relevant military installation  
5           command.

6           (d) REPORT OF CHIEF OF NATIONAL GUARD BU-  
7           REAU.—Not later than March 1, 2022, the Chief of the  
8           National Guard Bureau shall submit to the Committees  
9           on Armed Services and on the Judiciary of the Senate and  
10          House of Representatives, a report on the feasibility of  
11          implementing subsections (a), (b), and (c), with regards  
12          to facilities of the National Guard. Such report shall in-  
13          clude a proposed timeline for such implementation and  
14          recommendations of the Chief.

1 **Subtitle D—Implementation of Rec-**  
2 **ommendations of the Inde-**  
3 **pendent Review Commission on**  
4 **Sexual Assault in the Military**

5 **SEC. 531 [Log 73694]. SHORT TITLE.**

6 This subtitle may be cited as the “IRC implementa-  
7 tion Act of 2021”.

1     **PART 1—SPECIAL VICTIM PROSECUTORS AND**  
2                     **SPECIAL VICTIM OFFENSES**

3     **SEC. 532 [Log 73678]. SPECIAL VICTIM PROSECUTORS.**

4         (a) IN GENERAL.—Subchapter V of chapter 47 of  
5 title 10, United States Code, is amended by inserting after  
6 section 824 (article 24 of the Uniform Code of Military  
7 Justice) the following new section:

8     **“§ 824a. Art. 24a. special victim prosecutors**

9         “(a) DETAIL OF SPECIAL VICTIM PROSECUTORS AND  
10 ASSISTANT SPECIAL VICTIM PROSECUTORS.—Each Sec-  
11 retary concerned shall detail—

12             “(1) one commissioned officer from each armed  
13 force under the jurisdiction of such Secretary to  
14 serve as the special victim prosecutor of that armed  
15 force; and

16             “(2) such number of assistant special victim  
17 prosecutors as the Secretary considers appropriate  
18 to assist such special victim prosecutor.

19         “(b) QUALIFICATIONS.—

20             “(1) QUALIFICATIONS OF SPECIAL VICTIM  
21 PROSECUTORS.—A special victim prosecutor shall be  
22 a commissioned officer of the armed forces who—

23                     “(A) is in the grade of O–6 or higher;

24                     “(B) is a judge advocate;

1           “(C) is a member of the bar of a Federal  
2           court or a member of the bar of the highest  
3           court of a State; and

4           “(D) is certified to be qualified, by reason  
5           of education, training, experience, and tempera-  
6           ment, for duty as a special victim prosecutor.

7           “(2) QUALIFICATIONS OF ASSISTANT SPECIAL  
8           VICTIM PROSECUTORS.—An assistant special victim  
9           prosecutor shall be a commissioned officer of the  
10          armed forces who—

11           “(A) has at least five years of criminal jus-  
12          tice experience;

13           “(B) is a judge advocate;

14           “(C) is a member of the bar of a Federal  
15          court or a member of the bar of the highest  
16          court of a State; and

17           “(D) is certified to be qualified, by reason  
18          of education, training, experience, and tempera-  
19          ment, for duty as an assistant special victim  
20          prosecutor.

21          “(c) DUTIES AND AUTHORITIES.—

22           “(1) IN GENERAL.—Special victim prosecutors  
23          and assistant special victim prosecutors shall carry  
24          out the duties described in this chapter and any  
25          other duties prescribed by the Secretary of Defense,



1 in consultation with the Secretary of Homeland Se-  
2 curity, by regulation.

3 “(2) CLARIFICATION OF AUTHORITY OF ASSIST-  
4 ANT SPECIAL VICTIM PROSECUTORS.—Except as oth-  
5 erwise expressly provided in this chapter, an assist-  
6 ant special victim prosecutor shall have the same au-  
7 thorities granted to a special victim prosecutor  
8 under this chapter.

9 “(3) DETERMINATION OF SPECIAL VICTIM OF-  
10 FENSE; RELATED CHARGES.—

11 “(A) AUTHORITY.—A special victim pros-  
12 ecutor shall have exclusive authority to deter-  
13 mine if an offense is a special victim offense  
14 and shall, upon completion of a relevant inves-  
15 tigation, exercise authority over any such of-  
16 fense in accordance with this chapter.

17 “(B) RELATED OFFENSES.—If a special  
18 victim prosecutor determines that an offense is  
19 a special victim offense, the special victim pros-  
20 ecutor may also exercise authority over any re-  
21 ported offense that the special victim prosecutor  
22 determines to be related to the special victim  
23 offense and any other reported offense by the  
24 person alleged to have committed a special vic-  
25 tim offense.

1           “(4) DISMISSAL; PREFERRAL; REFERRAL; PLEA  
2 BARGAINS.—Subject to paragraph (5), with respect  
3 to charges and specifications alleging any offense  
4 over which a special victim prosecutor exercises au-  
5 thority, a special victim prosecutor shall have exclu-  
6 sive authority to, in accordance with this chapter—

7           “(A) make a determination that is binding  
8 on the convening authority to prefer or refer  
9 the charges and specifications for trial by a spe-  
10 cial or general court-martial;

11           “(B) on behalf of the Government, dismiss  
12 the charges and specifications or make a motion  
13 to dismiss the charges and specifications;

14           “(C) enter into a plea agreement; and

15           “(D) determine if an ordered rehearing is  
16 impracticable.

17           “(5) DEFERRAL TO CONVENING AUTHORITY.—

18           “(A) IN GENERAL.—Except as provided in  
19 subparagraph (B), if a special victim prosecutor  
20 exercises authority over an offense and elects  
21 not to prefer charges and specifications for such  
22 offense or, with respect to charges and speci-  
23 fications for such offense preferred by a person  
24 other than a special victim prosecutor, elects  
25 not to refer such charges and specifications, a

1 convening authority may exercise any of the au-  
2 thorities of the convening authority under this  
3 chapter with respect to such offense.

4 “(B) EXCEPTION.—In exercising authority  
5 under with respect to an offense described in  
6 subparagraph (A), a convening authority may  
7 not refer charges and specifications for a spe-  
8 cial victim offense for trial by special or general  
9 court-martial.

10 “(d) RELEVANT INVESTIGATION DEFINED.—In this  
11 section, the term ‘relevant investigation’ means an inves-  
12 tigation into an alleged offense under this chapter that  
13 is conducted by the Federal Government or a State, local,  
14 or Tribal law enforcement organization.”.

15 (b) CLERICAL AMENDMENT.—The table of sections  
16 at the beginning of subchapter V of chapter 47 of title  
17 10, United States Code (the Uniform Code of Military  
18 Justice), is amended by inserting after the item relating  
19 to section 824 (article 24) the following new item:

“824a. Art. 24a. Special victim prosecutors.”.

1 **SEC. 533 [Log 73679]. DEPARTMENT OF DEFENSE POLICIES**  
2 **WITH RESPECT TO SPECIAL VICTIM PROS-**  
3 **ECUTORS AND ESTABLISHMENT OF OFFICES**  
4 **OF SPECIAL VICTIM PROSECUTORS WITHIN**  
5 **MILITARY DEPARTMENTS.**

6 (a) IN GENERAL.—Chapter 53 of title 10, United  
7 States Code, is amended by inserting after section 1044e  
8 the following new section:

9 **“§ 1044f. Special victim prosecutors: Department of**  
10 **Defense policies; establishment of Offices**  
11 **of Special Victim Prosecutors**

12 “(a) POLICIES REQUIRED.—The Secretary of De-  
13 fense shall establish policies with respect to the appro-  
14 priate mechanisms and procedures that the Secretaries of  
15 the military departments shall establish and carry out re-  
16 lating to the activities of special victim prosecutors, includ-  
17 ing expected milestones for the Secretaries to fully imple-  
18 ment such mechanisms and procedures.

19 “(b) MILITARY DEPARTMENT OFFICES OF SPECIAL  
20 VICTIM PROSECUTORS.—

21 “(1) ESTABLISHMENT.—Each Secretary of a  
22 military department shall establish within the office  
23 of such Secretary an Office of Special Victim Pros-  
24 ecutors. The head of each such Office of Special Vic-  
25 tim Prosecutors shall be a general or flag officer of  
26 the Judge Advocate General’s Corps an armed force

1 under the jurisdiction of such Secretary and shall re-  
2 port directly to the Secretary concerned without in-  
3 tervening authority.

4 “(2) ASSIGNMENT OF SPECIAL VICTIM PROS-  
5 ECUTORS.—Notwithstanding section 806 of this title  
6 (article 6) each special victim prosecutor and assist-  
7 ant special victim prosecutor detailed by a Judge  
8 Advocate General of a military department shall be  
9 assigned to an Office of Special Victim Prosecutors  
10 established by such Secretary.”.

11 (b) CLERICAL AMENDMENT.—The table of sections  
12 at the beginning of chapter 53 of title 10, United States  
13 Code, is amended by inserting after the item relating to  
14 section 1044e the following new item:

“1044f. Special victim prosecutors: Department of Defense policies; establish-  
ment of Offices of Special Victim Prosecutors.”.

1 **SEC. 534 [Log 73680]. DEFINITION OF MILITARY MAG-**  
2 **ISTRATE, SPECIAL VICTIM OFFENSE, AND**  
3 **SPECIAL VICTIM PROSECUTOR.**

4 Section 801 of title 10, United States Code (article  
5 1 of the Uniform Code of Military Justice), is amended—

6 (1) by inserting after paragraph (10) the fol-  
7 lowing new paragraph:

8 “(11) The term ‘military magistrate’ means a  
9 commissioned officer certified for duty as a military  
10 magistrate in accordance with section 826a of this  
11 title (article 26a).”.

12 (2) by adding at the end the following new  
13 paragraphs:

14 “(17) The term ‘special victim offense’ means—

15 “(A) an offense under section 917a (article  
16 117a), section 919a (article 119a), section 919b  
17 (article 119b), section 920 (article 120), section  
18 925 (article 125), section 920b (article 120b),  
19 section 920c (article 120c), section 920d (arti-  
20 cle 120d), section 928b (article 128b), section  
21 930 (article 130), section 932 (article 132), or  
22 section 934 (article 134) (as it relates to child  
23 pornography, pandering, and prostitution) of  
24 this title;

25 “(B) any offense under this chapter in a  
26 case in which the victim of the offense was a

1 child who had not attained the age of 18 years  
2 as of the date of the offense;

3 “(C) a conspiracy to commit an offense  
4 specified in subparagraph (A) or (B) as punish-  
5 able under section 881 of this title (article 81);

6 “(D) a solicitation to commit an offense  
7 specified in subparagraph (A) or (B) as punish-  
8 able under section 882 of this title (article 82);

9 “(E) an attempt to commit an offense  
10 specified in subparagraph (A), (B), (C), or (D)  
11 as punishable under section 880 of this title  
12 (article 80); or

13 “(18) The term ‘special victim prosecutor’  
14 means a judge advocate detailed as the special vic-  
15 tim prosecutor of an armed force in accordance with  
16 section 824a(a)(1) of this title (article 24a(a)(1)).

17 “(19) The term ‘assistant special victim pros-  
18 ecutor’ means a judge advocate detailed as an assist-  
19 ant special victim prosecutor in accordance with sec-  
20 tion 824a(a)(2) of this title (article 24a(a)(2)).”.

1 **SEC. 535 [Log 73682]. CLARIFICATION RELATING TO WHO**  
2 **MAY CONVENE COURTS-MARTIAL.**

3 (a) GENERAL COURTS-MARTIAL.—Section 822(b) of  
4 title 10, United States Code (article 22(b) of the Uniform  
5 Code of Military Justice), is amended—

6 (1) by striking “If any” and inserting “(1) If  
7 any”; and

8 (2) by adding at the end the following new  
9 paragraph:

10 “(2) A commanding officer shall not be considered  
11 an accuser solely due to the role of the commanding officer  
12 in convening a general court-martial to which charges and  
13 specifications were referred by a special victim prosecutor  
14 in accordance with this chapter.”.

15 (b) SPECIAL COURTS-MARTIAL.—Section 823(b) of  
16 title 10, United States Code (article 23(b) of the Uniform  
17 Code of Military Justice), is amended—

18 (1) by striking “If any” and inserting “(1) If  
19 any”; and

20 (2) by adding at the end the following new  
21 paragraph:

22 “(2) A commanding officer shall not be considered  
23 an accuser solely due to the role of the commanding officer  
24 in convening a special court-martial to which charges and  
25 specifications were referred by a special victim prosecutor  
26 in accordance with this chapter.”.



1 **SEC. 536 [Log 73683]. DETAIL OF TRIAL COUNSEL.**

2 Section 827 of title 10, United States Code (article  
3 27 of the Uniform Code of Military Justice), is amended  
4 by adding at the end the following new subsection:

5 “(e) For each general and special court-martial for  
6 which charges and specifications were referred by a special  
7 victim prosecutor—

8 “(1) a special victim prosecutor or an assistant  
9 special victim prosecutor shall be detailed as trial  
10 counsel;

11 “(2) a special victim prosecutor may detail a  
12 special victim prosecutor or an assistant special vic-  
13 tim prosecutor as an assistant trial counsel; and

14 “(3) a special victim prosecutor may request  
15 that a counsel other than a special victim prosecutor  
16 or assistant special victim prosecutor be detailed as  
17 an assistant trial counsel.”.

1 **SEC. 537 [Log 73685]. PRELIMINARY HEARING.**

2 (a) DETAIL OF HEARING OFFICER; WAIVER.—Sub-  
3 section (a)(1) of section 832 of title 10, United States  
4 Code (article 32 of the Uniform Code of Military Justice),  
5 is amended—

6 (1) in subparagraph (A), by striking “hearing  
7 officer” and all that follows and inserting “hearing  
8 officer detailed in accordance with subparagraph  
9 (C).”;

10 (2) in subparagraph (B), by striking “written  
11 waiver” and all that follows and inserting the fol-  
12 lowing: “written waiver to—

13 “(i) except as provided in clause (ii),  
14 the convening authority and the convening  
15 authority determines that a hearing is not  
16 required; and

17 “(ii) with respect to charges and spec-  
18 ifications over which the special victim  
19 prosecutor is exercising authority in ac-  
20 cordance with section 824a of this title (ar-  
21 ticle 24a), the special victim prosecutor  
22 and the special victim prosecutor deter-  
23 mines that a hearing is not required; and”;  
24 and

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

1           “(C)(i) Except as provided in clause (ii), the  
2 convening authority shall detail a hearing officer.

3           “(ii) If a special victim prosecutor is exercising  
4 authority over the charges and specifications subject  
5 to a preliminary hearing under this section (article),  
6 the special victim prosecutor shall request a military  
7 judge or military magistrate to serve as the hearing  
8 officer, and a military judge or military magistrate  
9 shall be provided, in accordance with regulations  
10 prescribed by the President.”.

11       (b) REPORT OF PRELIMINARY HEARING OFFICER.—  
12 Subsection (c) of such section is amended—

13           (1) in the heading, by inserting “OR SPECIAL  
14 VICTIM PROSECUTOR” after “CONVENING AUTHOR-  
15 ITY”; and

16           (2) in the matter preceding paragraph (1) by  
17 striking “to the convening authority” and inserting  
18 “to the convening authority or, in the case of a pre-  
19 liminary hearing in which the hearing officer is pro-  
20 vided at the request of a special victim prosecutor,  
21 to the special victim prosecutor,”.

1 **SEC. 538 [Log 73686]. ADVICE TO CONVENING AUTHORITY**  
2 **BEFORE REFERRAL FOR TRIAL.**

3 Section 834 of title 10, United States Code (article  
4 34 of the Uniform Code of Military Justice), is amended—

5 (1) in subsection (a)(1) in the matter preceding  
6 subparagraph (A) in the first sentence, by striking  
7 “Before referral” and inserting “Subject to sub-  
8 section (c), before referral”;

9 (2) in subsection (b), by striking “Before refer-  
10 ral” and inserting “Subject to subsection (c), before  
11 referral”;

12 (3) by redesignating subsections (c) and (d) as  
13 subsections (d) and (e), respectively;

14 (4) by inserting after subsection (b) the fol-  
15 lowing new subsection:

16 “(c) SPECIAL VICTIM OFFENSES.—A referral to a  
17 general or special court-martial for trial of charges and  
18 specifications over which a special victim prosecutor exer-  
19 cises authority may only be made—

20 “(1) by a special victim prosecutor; or

21 “(2) by the convening authority in the case of—

22 “(A) charges and specifications that do not  
23 allege a special victim offense and for which a  
24 special victim prosecutor declines to prefer  
25 charges; or

1           “(B) charges and specifications preferred  
2           by a person other than a special victim pros-  
3           ecutor, for which a special victim prosecutor de-  
4           clines to refer charges.”; and  
5           (5) in subsection (e), as redesignated by para-  
6           graph (3) of this section, by inserting “or, with re-  
7           spect to charges and specifications over which a spe-  
8           cial victim prosecutor exercises authority in accord-  
9           ance with section 824a of this title (article 24a), a  
10          special victim prosecutor,” after “convening author-  
11          ity”.

1 **SEC. 539 [Log 73687]. FORMER JEOPARDY.**

2       Section 844(c) of title 10, United States Code (article  
3 44(c) of the Uniform Code of Military Justice), is amend-  
4 ed by inserting “or the special victim prosecutor” after  
5 “the convening authority” each place it appears.

1 **SEC. 539A [Log 73688]. PLEA AGREEMENTS.**

2 (a) AUTHORITY TO ENTER INTO AGREEMENTS.—

3 Subsection (a) of section 853a of title 10, United States  
4 Code (article 53a of the Uniform Code of Military Jus-  
5 tice), is amended—

6 (1) in paragraph (1), by striking “At any time”  
7 and inserting “Subject to paragraph (3), at any  
8 time”; and

9 (2) by adding at the end the following new  
10 paragraph:

11 “(3) With respect to charges and specifications re-  
12 ferred to court-martial by a special victim prosecutor, a  
13 plea agreement under this section may only be entered  
14 into between a special victim prosecutor and the accused.  
15 Such agreement shall be subject to the same limitations  
16 and conditions applicable to other plea agreements under  
17 this section (article).”.

18 (b) BINDING EFFECT.—Subsection (d) of such sec-  
19 tion (article) is amended by inserting after “parties” the  
20 following: “(including the convening authority and the spe-  
21 cial victim prosecutor in the case of a plea agreement en-  
22 tered into under subsection (a)(3))”.

1 **SEC. 539B [Log 73689]. DETERMINATIONS OF IMPRAC-**  
2 **TICALITY OF REHEARING.**

3 (a) TRANSMITTAL AND REVIEW OF RECORDS.—Sec-  
4 tion 865(e)(3)(B) of title 10, United States Code (article  
5 65(e)(3)(B) of the Uniform Code of Military Justice), is  
6 amended—

7 (1) by striking “IMPRACTICAL.—If the Judge  
8 Advocate General” and inserting the following: “IM-  
9 PRACTICAL.—

10 “(i) IN GENERAL.—Subject to clause  
11 (ii), if the Judge Advocate General”; and

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

14 “(ii) CASES REFERRED BY SPECIAL  
15 VICTIM PROSECUTOR.—If a case was re-  
16 ferred to trial by a special victim pros-  
17 ecutor, a special victim prosecutor shall de-  
18 termine if a rehearing is impractical and  
19 shall dismiss the charges if the special vic-  
20 tim prosecutor so determines.”.

21 (b) COURTS OF CRIMINAL APPEALS.—Section  
22 866(f)(1)(C) of title 10, United States Code (article  
23 66(f)(1)(C) of the Uniform Code of Military Justice), is  
24 amended—



1           (1) by striking “IMPRACTICABLE.—If the Court  
2 of Criminal Appeals” and inserting the following:

3           “IMPRACTICABLE.—

4                   “(i) IN GENERAL.—Subject to clause  
5                   (ii), if the Court of Criminal Appeals”; and

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

8                   “(ii) CASES REFERRED BY SPECIAL  
9                   VICTIM PROSECUTOR.—If a case was re-  
10                  ferred to trial by a special victim pros-  
11                  ecutor, a special victim prosecutor shall de-  
12                  termine if a rehearing is impracticable and  
13                  shall dismiss the charges if the special vic-  
14                  tim prosecutor so determines.”.

15           (c) REVIEW BY THE COURT OF APPEALS FOR THE  
16 ARMED FORCES.—Section 867(e) of title 10, United  
17 States Code (article 67(e) of the Uniform Code of Military  
18 Justice), is amended by adding at the end the following  
19 new sentence: “Notwithstanding the preceding sentence,  
20 if a case was referred to trial by a special victim pros-  
21 ecutor, a special victim prosecutor shall determine if a re-  
22 hearing is impracticable and shall dismiss the charges if  
23 the special victim prosecutor so determines.”.

24           (d) REVIEW BY JUDGE ADVOCATE GENERAL.—Sec-  
25 tion 869(c)(1)(D) of title 10, United States Code (article

1 69(c)(1)(D) of the Uniform Code of Military Justice), is  
2 amended—

3 (1) by striking “If the Judge Advocate Gen-  
4 eral” and inserting “(i) Subject to clause (ii), if the  
5 Judge Advocate General”; and

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

8 “(ii) If a case was referred to trial by  
9 a special victim prosecutor, a special victim  
10 prosecutor shall determine if a rehearing is  
11 impractical and shall dismiss the charges if  
12 the special victim prosecutor so deter-  
13 mines.”.

1 **SEC. 539C [Log 73690]. PUNITIVE ARTICLE ON SEXUAL HAR-**  
2 **ASSMENT.**

3 (a) IN GENERAL.—Subchapter X of chapter 47 of  
4 title 10, United States Code (the Uniform Code of Military  
5 Justice), is amended by inserting after section 920c (arti-  
6 cle 120c) the following new section (article):

7 **“§ 920d. Art. 120d. sexual harassment**

8 “(a) IN GENERAL.—Any person subject to this chap-  
9 ter who commits sexual harassment against another per-  
10 son shall be punished as a court-martial may direct.

11 “(b) ELEMENTS.—A person subject to this chapter  
12 commits sexual harassment when—

13 “(1) such person knowingly—

14 “(A) makes a sexual advance;

15 “(B) demands or requests a sexual favor;

16 or

17 “(C) engages in other conduct of a sexual  
18 nature;

19 “(2) the conduct described in paragraph (1)  
20 that such person committed is unwelcome;

21 “(3) under the circumstances, on the basis of  
22 the record as a whole, such conduct would cause a  
23 reasonable person to—

24 “(A) believe that submission to, or rejec-  
25 tion of, such conduct would be made, either ex-  
26 plicitly or implicitly, a term or condition of a

1 person's military duties, job, pay, career, bene-  
2 fits, or entitlements;

3 “(B) believe that submission to, or rejec-  
4 tion of, such conduct would be used as a basis  
5 for military career or employment decisions af-  
6 fecting that person; or

7 “(C) perceive an intimidating, hostile, or  
8 offensive duty or working environment due to  
9 the severity, repetitiveness, or pervasiveness of  
10 such conduct; and

11 “(4) a person, who by some duty or military-re-  
12 lated reason works or is associated with the accused,  
13 did reasonably believe or perceive as described in  
14 subparagraph (A), (B), or (C) of paragraph (3).

15 “(c) OTHER CONDUCT.—For purposes of subsection  
16 (b)(1)(C), whether other conduct would cause a reasonable  
17 person to believe it is of a sexual nature shall be dependent  
18 upon the circumstances of the act alleged and may include  
19 conduct that, without context, would not appear to be sex-  
20 ual in nature.

21 “(d) LOCATION AND MEANS OF ACT.—An act consti-  
22 tuting sexual harassment under this section—

23 “(1) may occur at any location and without re-  
24 gard to whether the victim or accused is on or off  
25 duty at the time of the alleged act;

1           “(2) does not require physical proximity be-  
2           tween the victim and the accused; and

3           “(3) may be transmitted through any means,  
4           including written, oral, online, or other electronic  
5           means.”.

6           (b) CLERICAL AMENDMENT.—The table of sections  
7           at the beginning of such subchapter is amended by insert-  
8           ing after the item relating to section 920c (article 120c)  
9           the following new item:

          “920d. Art. 120d. Sexual harassment.”.

1 **SEC. 539D [Log 73692]. CLARIFICATION OF APPLICABILITY**  
2 **OF DOMESTIC VIOLENCE AND STALKING TO**  
3 **DATING PARTNERS.**

4 (a) ARTICLE 128B; DOMESTIC VIOLENCE.—Section  
5 928b of title 10, United States Code (article 128b of the  
6 Uniform Code of Military Justice), is amended—

7 (1) in the matter preceding paragraph (1), by  
8 striking “Any person” and inserting the following:

9 “(a) IN GENERAL.—Any person”.

10 (2) by inserting “a dating partner,” after “an  
11 intimate partner,” each place it appears; and

12 (3) by adding at the end the following new sub-  
13 section:

14 “(b) DEFINITIONS.—In this section, the terms dating  
15 partner, ‘immediate family’, and ‘intimate partner’ have  
16 the meaning given such terms in section 930 of this title  
17 (article 130).”.

18 (b) ARTICLE 130; STALKING.—Section 930 of such  
19 title (article 130 of the Uniform Code of Military Justice)  
20 is amended—

21 (1) in subsection (a), by striking “or to his or  
22 her intimate partner” each place it appears and in-  
23 serting “to his or her intimate partner, or to his or  
24 her dating partner”;

25 (2) in subsection (b)—

1 (A) by redesignating paragraphs (3)  
2 through (5) as paragraphs (4) through (6), re-  
3 spectively; and

4 (B) by inserting after paragraph (2) the  
5 following new paragraph:

6 “(3) The term ‘dating partner’, in the case of  
7 a specific person, means a person who is or has been  
8 in a social relationship of a romantic or intimate na-  
9 ture with such specific person, and a reasonable per-  
10 son would believe such a relationship exists or ex-  
11 isted, based on—

12 “(A) the length of the relationship;

13 “(B) the type of relationship; and

14 “(C) the frequency of interaction between  
15 the persons involved in the relationship.”.

1 **SEC. 539E [Log 73693]. EFFECTIVE DATE.**

2 (a) IN GENERAL.—Except as provided in subsection  
3 (b), the amendments made by this part shall take effect  
4 on the date that is two years after the date of the enact-  
5 ment of this Act and shall apply with respect to offenses  
6 that occur after that date.

7 (b) REGULATIONS.—

8 (1) REQUIREMENT.—The President shall pre-  
9 scribe regulations to carry out this part not later  
10 than two years after the date of the enactment of  
11 this Act.

12 (2) IMPACT OF DELAY OF ISSUANCE.—If the  
13 President does not prescribe regulations to carry out  
14 this part before the date that is two years after the  
15 date of the enactment of this Act, the amendments  
16 made by this part shall take effect on the date on  
17 which such regulations are prescribed and shall  
18 apply with respect to offenses that occur on or after  
19 that date.



1                   **PART 2—SENTENCING REFORM**

2   **SEC. 539F [Log 73681]. SENTENCING REFORM.**

3           (a) ARTICLE 53; FINDINGS AND SENTENCING.—Sec-  
4   tion 853 of title 10, United States Code (article 53 of the  
5   Uniform Code of Military Justice), is amended—

6           (1) in subsection (b), by amending paragraph  
7   (1) to read as follows:

8           “(1) GENERAL AND SPECIAL COURTS-MAR-  
9   TIAL.—Except as provided in subsection (c) for cap-  
10   ital offenses, if the accused is convicted of an offense  
11   in a trial by general or special court-martial, the  
12   military judge shall sentence the accused. The sen-  
13   tence determined by the military judge constitutes  
14   the sentence of the court-martial.”;

15           (2) in subsection (c)—

16           (A) by amending paragraph (1) to read as  
17   follows:

18           “(1) IN GENERAL.—In a capital case, if the ac-  
19   cused is convicted of an offense for which the court-  
20   martial may sentence the accused to death—

21           “(A) the members shall determine—

22           “(i) whether the sentence for that of-  
23   fense shall be death or life in prison with-  
24   out eligibility for parole; or

1                   “(ii) whether the matter shall be re-  
2                   turned to the military judge for determina-  
3                   tion of a lesser punishment; and

4                   “(B) the military judge shall sentence the  
5                   accused for that offense in accordance with the  
6                   determination of the members under subpara-  
7                   graph (A).”; and

8                   (B) in paragraph (2), by striking “the  
9                   court-martial” and inserting “the military  
10                  judge”.

11               (b) ARTICLE 53A; PLEA AGREEMENTS.—Section  
12 853a of title 10, United States Code (article 53a of the  
13 Uniform Code of Military Justice), [as amended by sec-  
14 tion 539A of this subtitle], is further amended—

15               (1) by redesignating subsections (b), (c), and  
16               (d), as subsections (c), (d), and (e), respectively; and

17               (2) by inserting after subsection (a) the fol-  
18               lowing new subsection:

19               “(b) ACCEPTANCE OF PLEA AGREEMENT.—Subject  
20 to subsections (c) and (d), the military judge of a general  
21 or special court-martial shall accept a plea agreement sub-  
22 mitted by the parties, except that—

23               “(1) in the case of an offense with a sentencing  
24               parameter under section 856 of this chapter (article  
25               56), the military judge may reject a plea agreement

1 that proposes a sentence that is outside the sen-  
2 tencing parameter if the military judge determines  
3 that the proposed sentence is plainly unreasonable;  
4 and

5 “(2) in the case of an offense with no sen-  
6 tencing parameter under section 856 of this chapter  
7 (article 56), the military judge may reject a plea  
8 agreement that proposes a sentence if the military  
9 judge determines that the proposed sentence is  
10 plainly unreasonable.”.

11 (c) ARTICLE 56; SENTENCING.—Section 856 of title  
12 10, United States Code (article 56 of the Uniform Code  
13 of Military Justice), is amended—

14 (1) in subsection (c)—

15 (A) in paragraph (1)—

16 (i) in subparagraph (C)(vii), by strik-  
17 ing “and” at the end;

18 (ii) in subparagraph (D), by striking  
19 the period at the end and inserting “;  
20 and”; and

21 (iii) by adding at the end the fol-  
22 lowing new subparagraph:

23 “(E) the applicable sentencing parameters  
24 or sentencing criteria prescribed under this sec-  
25 tion.”;

1 (B) by striking paragraphs (2) through (4)  
2 and inserting the following new paragraphs:

3 “(2) APPLICATION OF SENTENCING PARAM-  
4 ETERS IN GENERAL AND SPECIAL COURTS-MAR-  
5 TIAL.—

6 “(A) REQUIREMENT TO SENTENCE WITHIN  
7 PARAMETERS.—Except as provided in subpara-  
8 graph (B), in a general or special court-martial  
9 in which the accused is convicted of an offense  
10 for which there is a sentencing parameter under  
11 subsection (d), the military judge shall sentence  
12 the accused for that offense within the applica-  
13 ble parameter.

14 “(B) EXCEPTION.—The military judge  
15 may impose a sentence outside a sentencing pa-  
16 rameter upon finding specific facts that warrant  
17 such a sentence. If the military judge imposes  
18 a sentence outside a sentencing parameter  
19 under this subparagraph, the military judge  
20 shall include in the record a written statement  
21 of the factual basis for the sentence.

22 “(3) USE OF SENTENCING CRITERIA IN GEN-  
23 ERAL AND SPECIAL COURTS-MARTIAL.—In a general  
24 or special court-martial in which the accused is con-  
25 victed of an offense for which there are sentencing

1 criteria under subsection (d), the military judge shall  
2 consider the applicable sentencing criteria in deter-  
3 mining the sentence for that offense.

4 “(4) OFFENSE-BASED SENTENCING IN GEN-  
5 ERAL AND SPECIAL COURTS-MARTIAL.—In announc-  
6 ing the sentence under section 853 of this chapter  
7 (article 53) in a general or special court-martial, the  
8 military judge shall, with respect to each offense of  
9 which the accused is found guilty, specify the term  
10 of confinement, if any, and the amount of the fine,  
11 if any. If the accused is sentenced to confinement  
12 for more than one offense, the military judge shall  
13 specify whether the terms of confinement are to run  
14 consecutively or concurrently.

15 “(5) INAPPLICABILITY TO DEATH PENALTY.—  
16 Sentencing parameters and sentencing criteria shall  
17 not apply to a determination of whether an offense  
18 should be punished by death.

19 “(6) SENTENCE OF CONFINEMENT FOR LIFE  
20 WITHOUT ELIGIBILITY FOR PAROLE.—(A) If an of-  
21 fense is subject to a sentence of confinement for life,  
22 a court-martial may impose a sentence of confine-  
23 ment for life without eligibility for parole.

24 “(B) An accused who is sentenced to confine-  
25 ment for life without eligibility for parole shall be

1 confined for the remainder of the accused's life un-  
2 less—

3 “(i) the sentence is set aside or otherwise  
4 modified as a result of—

5 “(I) action taken by the convening au-  
6 thority or the Secretary concerned; or

7 “(II) any other action taken during  
8 post-trial procedure or review under any  
9 other provision of subchapter IX of this  
10 chapter;

11 “(ii) the sentence is set aside or otherwise  
12 modified as a result of action taken by a court  
13 of competent jurisdiction; or

14 “(iii) the accused receives a pardon or an-  
15 other form of Executive clemency.”;

16 (2) by redesignating subsection (d) as sub-  
17 section (e);

18 (3) by inserting after subsection (c) the fol-  
19 lowing new subsection:

20 “(d) ESTABLISHMENT OF SENTENCING PARAMETERS  
21 AND SENTENCING CRITERIA.—

22 “(1) IN GENERAL.—The President shall pre-  
23 scribe regulations establishing sentencing parameters  
24 and sentencing criteria in accordance with this sub-  
25 section. Such parameters and criteria—

1           “(A) shall cover sentences of confinement;  
2           and

3           “(B) may cover lesser punishments, as the  
4           President determines appropriate.

5           “(2) SENTENCING PARAMETERS.—Sentencing  
6           parameters established under paragraph (1) shall—

7           “(A) identify a delineated sentencing range  
8           for an offense that is appropriate for a typical  
9           violation of the offense, taking into consider-  
10          ation—

11           “(i) the severity of the offense;

12           “(ii) the guideline or offense category  
13           that would apply to the offense if the of-  
14           fense were tried in a United States district  
15           court;

16           “(iii) any military-specific sentencing  
17           factors; and

18           “(iv) the need for the sentencing pa-  
19           rameter to be sufficiently broad to allow  
20           for individualized consideration of the of-  
21           fense and the accused;

22           “(B) include no fewer than five and no  
23           more than twelve offense categories;

24           “(C) assign each offense under this chap-  
25           ter to an offense category unless the offense is

1 identified as unsuitable for sentencing param-  
2 eters under paragraph (4)(F)(ii);

3 “(D) delineate the confinement range for  
4 each offense category by setting an upper con-  
5 finement limit and a lower confinement limit;  
6 and

7 “(E) be neutral as to the race, color, reli-  
8 gion, national origin, ethnicity, gender, gender  
9 identity, disability, sexual orientation, and so-  
10 cioeconomic status of offenders.

11 “(3) SENTENCING CRITERIA.—Sentencing cri-  
12 teria established under paragraph (1) shall identify  
13 offense-specific factors the military judge should  
14 consider and any collateral effects of available pun-  
15 ishments that may aid the military judge in deter-  
16 mining an appropriate sentence when there is no ap-  
17 plicable sentencing parameter for a specific offense.

18 “(4) MILITARY SENTENCING PARAMETERS AND  
19 CRITERIA BOARD.—

20 “(A) IN GENERAL.—There is established  
21 within the Department of Defense a board, to  
22 be known as the ‘Military Sentencing Param-  
23 eters and Criteria Board’ (referred to in this  
24 subsection as the ‘Board’).



1                   “(B) VOTING MEMBERS.—The Board shall  
2                   have five voting members, as follows:

3                   “(i) The four chief trial judges des-  
4                   ignated under section 826(g) of this chap-  
5                   ter (article 26(g)), except that, if the chief  
6                   trial judge of the Coast Guard is not avail-  
7                   able, the Judge Advocate General of the  
8                   Coast Guard may designate as a voting  
9                   member a judge advocate of the Coast  
10                  Guard with substantial military justice ex-  
11                  perience.

12                  “(ii) A trial judge of the Navy, des-  
13                  ignated under regulations prescribed by  
14                  the President, if the chief trial judges des-  
15                  ignated under section 826(g) of this chap-  
16                  ter (article 26(g)) do not include a trial  
17                  judge of the Navy.

18                  “(iii) A trial judge of the Marine  
19                  Corps, designated under regulations pre-  
20                  scribed by the President, if the chief trial  
21                  judges designated under section 826(g) of  
22                  this chapter (article 26(g)) do not include  
23                  a trial judge of the Marine Corps.

24                  “(C) NONVOTING MEMBERS.—The Chief  
25                  Judge of the Court of Appeals for the Armed

1 Forces, the Chairman of the Joint Chiefs of  
2 Staff, and the General Counsel of the Depart-  
3 ment of Defense shall each designate one non-  
4 voting member of the Board.

5 “(D) CHAIR AND VICE-CHAIR.—The Sec-  
6 retary of Defense shall designate one voting  
7 member as chair of the Board and one voting  
8 member as vice-chair.

9 “(E) VOTING REQUIREMENT.—An affirma-  
10 tive vote of at least three members is required  
11 for any action of the Board under this sub-  
12 section.

13 “(F) DUTIES OF BOARD.—The Board shall  
14 have the following duties:

15 “(i) As directed by the President, the  
16 Board shall submit to the President for ap-  
17 proval—

18 “(I) sentencing parameters for  
19 all offenses under this chapter (other  
20 than offenses that the Board identi-  
21 fies as unsuitable for sentencing pa-  
22 rameters in accordance with clause  
23 (ii)); and

24 “(II) sentencing criteria to be  
25 used by military judges in determining

1 appropriate sentences for offenses  
2 that are identified as unsuitable for  
3 sentencing parameters in accordance  
4 with clause (ii).

5 “(ii) Identify each offense under this  
6 chapter that is unsuitable for sentencing  
7 parameters. The Board shall identify an  
8 offense as unsuitable for sentencing pa-  
9 rameters if—

10 “(I) the nature of the offense is  
11 indeterminate and unsuitable for cat-  
12 egorization; and

13 “(II) there is no similar criminal  
14 offense under the laws of the United  
15 States or the laws of the District of  
16 Columbia.

17 “(iii) In developing sentencing param-  
18 eters and criteria, the Board shall consider  
19 the sentencing data collected by the Mili-  
20 tary Justice Review Panel pursuant to sec-  
21 tion 946(f)(2) of this chapter (article  
22 146(f)(2)).

23 “(iv) In addition to establishing pa-  
24 rameters for sentences of confinement  
25 under clause (i)(I), the Board shall con-

1           sider the appropriateness of establishing  
2           sentencing parameters for punitive dis-  
3           charges, fines, reductions, forfeitures, and  
4           other lesser punishments authorized under  
5           this chapter.

6           “(v) The Board shall regularly—

7                   “(I) review, and propose revision  
8                   to, in consideration of comments and  
9                   data coming to the Board’s attention,  
10                  the sentencing parameters and sen-  
11                  tencing criteria prescribed under para-  
12                  graph (1); and

13                   “(II) submit to the President,  
14                   through the Secretary of Defense,  
15                   proposed amendments to the sen-  
16                   tencing parameters and sentencing  
17                   criteria, together with statements ex-  
18                   plaining the basis for the proposed  
19                   amendments.

20           “(vi) The Board shall develop means  
21           of measuring the degree to which applica-  
22           ble sentencing, penal, and correctional  
23           practices are effective with respect to the  
24           sentencing factors and policies set forth in  
25           this section.

1           “(vii) In fulfilling its duties and in ex-  
2           ercising its powers, the Board shall consult  
3           authorities on, and individual and institu-  
4           tional representatives of, various aspects of  
5           the military criminal justice system. The  
6           Board shall establish separate advisory  
7           groups consisting of individuals with cur-  
8           rent or recent experience in command and  
9           in senior enlisted positions, individuals  
10          with experience in the trial of courts-mar-  
11          tial, and such other groups as the Board  
12          deems appropriate.

13           “(viii) The Board shall submit to the  
14          President, through the Secretary of De-  
15          fense, proposed amendments to the rules  
16          for courts-martial with respect to sen-  
17          tencing proceedings and maximum punish-  
18          ments, together with statements explaining  
19          the basis for the proposed amendments.

20           “(ix) The Board may issue non-bind-  
21          ing policy statements to achieve the  
22          Board’s purposes and to guide military  
23          judges in fashioning appropriate sentences,  
24          including guidance on factors that may be  
25          relevant in determining where in a sen-

1           tencing parameter a specification may fall,  
2           or whether a deviation outside of the sen-  
3           tencing range may be warranted.

4           “(G) FEDERAL ADVISORY COMMITTEE  
5           ACT.—The Federal Advisory Committee Act (5  
6           U.S.C. App.) shall not apply with respect to the  
7           Board or any advisory group established by the  
8           Board.”; and

9           (4) in subsection (e)(1), as redesignated by  
10          paragraph (2) of this subsection—

11           (A) in subparagraph (A), by striking “or”  
12           at the end;

13           (B) by redesignating subparagraph (B) as  
14           subparagraph (C);

15           (C) by inserting after subparagraph (A)  
16           the following new subparagraph:

17           “(B) in the case of a sentence for an offense  
18           with a sentencing parameter under this section, the  
19           sentence is a result of an incorrect application of the  
20           parameter; or”; and

21           (D) in subparagraph (C), as redesignated  
22           by subparagraph (B) of this paragraph, by  
23           striking “, as determined in accordance with  
24           standards and procedures prescribed by the  
25           President”.

1 (d) ARTICLE 66; COURTS OF CRIMINAL APPEALS.—  
2 Section 866 of title 10, United States Code (article 66  
3 of the Uniform Code of Military Justice) is amended—

4 (1) in subsection (d)(1)(A), by striking the  
5 third sentence; and

6 (2) by amending subsection (e) to read as fol-  
7 lows:

8 “(e) CONSIDERATION OF SENTENCE.—

9 “(1) IN GENERAL.—In considering a sentence  
10 on appeal, other than as provided in section 856(e)  
11 of this chapter (article 56(e)), the Court of Criminal  
12 Appeals may consider—

13 “(A) whether the sentence violates the law;

14 “(B) whether the sentence is inappropri-  
15 ately severe—

16 “(i) if the sentence is for an offense  
17 for which there is no sentencing parameter  
18 under section 856(d) of this chapter (arti-  
19 cle 56(d)); or

20 “(ii) in the case of an offense with a  
21 sentencing parameter under section 856(d)  
22 of this chapter (article 56(d)), if the sen-  
23 tence is above the upper range of such sen-  
24 tencing parameter;

1           “(C) in the case of a sentence for an of-  
2           fense with a sentencing parameter under sec-  
3           tion 856(d) of this chapter (article 56(d)),  
4           whether the sentence is a result of an incorrect  
5           application of the parameter;

6           “(D) whether the sentence is plainly un-  
7           reasonable; and

8           “(E) in review of a sentence to death or to  
9           life in prison without eligibility for parole deter-  
10          mined by the members in a capital case under  
11          section 853(c) of this chapter (article 53(c)),  
12          whether the sentence is otherwise appropriate,  
13          under rules prescribed by the President.

14          “(2) RECORD ON APPEAL.—In an appeal under  
15          this subsection or section 856(e) of this chapter (ar-  
16          ticle 56(e)), other than review under subsection  
17          (b)(2), the record on appeal shall consist of—

18                 “(A) any portion of the record in the case  
19                 that is designated as pertinent by any party;

20                 “(B) the information submitted during the  
21                 sentencing proceeding; and

22                 “(C) any information required by rule or  
23                 order of the Court of Criminal Appeals.”.

24          (e) CONFORMING AMENDMENTS.—



1           (1) Section 863(e) of title 10, United States  
2           Code (article 63(e) of the Uniform Code of Military  
3           Justice) is amended by striking “section 856(d) of  
4           this title (article 56(d))” and inserting “section  
5           856(e) of this chapter (article 56(e))”.

6           (2) Section 866 of title 10, United States Code  
7           (article 66 of the Uniform Code of Military Justice),  
8           as amended by subsection (d), is further amended by  
9           striking “section 856(d) of this title (article 56(d))”  
10          each place it appears and inserting “section 856(e)  
11          of this chapter (article 56(e))”.

12          (f) EFFECTIVE DATE.—

13           (1) IN GENERAL.—The amendments made by  
14          this section shall take effect on the date that is two  
15          years after the date of the enactment of this Act and  
16          shall apply to sentences adjudged in cases in which  
17          all findings of guilty are for offenses that occurred  
18          after the date that is two years after the date of the  
19          enactment of this Act.

20           (2) IMPLEMENTATION OF SENTENCING PARAM-  
21          ETERS AND CRITERIA.—

22           (A) IN GENERAL.—The President shall  
23          prescribe regulations setting forth the sen-  
24          tencing parameters and criteria required by  
25          subsection (d) of section 856 of title 10, United

1 States Code (article 56 of the Uniform Code of  
2 Military Justice), as added by subsection (c) of  
3 this section.

4 (B) EFFECTIVE DATES.—The regulations  
5 under subparagraph (A) shall take effect on a  
6 date determined by the President which shall be  
7 not later than four years after the date of en-  
8 actment of this Act and shall apply only to sen-  
9 tences adjudged in cases in which all findings of  
10 guilty are for offenses that occurred after the  
11 date on which the regulations required by sub-  
12 paragraph (A) take effect.

13 (C) INTERIM AUTHORITY OF JUDGES.—If  
14 the regulations required by subparagraph (A)  
15 have not been prescribed as of the date on  
16 which the amendments made by this section  
17 take effect under paragraph (1), each sentence  
18 adjudged in accordance with the amendments  
19 made by this section and the terms of the effec-  
20 tive date under paragraph (1) shall be made as  
21 if no sentencing parameter or criteria for that  
22 offense has been prescribed until such time as  
23 such regulations are issued that include such a  
24 sentencing parameter or criteria.

1           (g) REPEAL OF SECRETARIAL GUIDELINES ON SEN-  
2 TENCES FOR OFFENSES COMMITTED UNDER THE UNI-  
3 FORM CODE OF MILITARY JUSTICE.—Section 537 of the  
4 National Defense Authorization Act for Fiscal Year 2020  
5 (Public Law 116–92; 133 Stat. 1363; 10 U.S.C. 856 note)  
6 is repealed.

1           **PART 3—REPORTS AND OTHER MATTERS**  
2   **SEC. 539G [Log 73684]. REPORT ON MODIFICATION OF DIS-**  
3                   **POSITION AUTHORITY FOR OFFENSES OTHER**  
4                   **THAN SPECIAL VICTIM OFFENSES.**

5           (a) IN GENERAL.—Not later than 180 days after the  
6 date of the enactment of this Act, the Secretary of Defense  
7 shall submit to the Committees on Armed Services of the  
8 Senate and the House of Representatives a report on the  
9 feasibility, advisability, and potential effects of modifying  
10 chapter 47 of title 10, United States Code (the Uniform  
11 Code of Military Justice) to require that determinations  
12 as to whether to prefer or refer charges for trial by court-  
13 martial for offenses other than special victim offenses  
14 must be made by an individual outside of the chain of com-  
15 mand of the member subject to the charges rather than  
16 by a commanding officer who is in the chain of command  
17 of the member.

18           (b) ELEMENTS.—The report under subsection (a)  
19 shall include the following:

20           (1) A review and reassessment of the findings  
21 of the Secretary of Defense included in the report  
22 submitted under section 540F of the National De-  
23 fense Authorization Act for Fiscal year 2020 (Public  
24 Law 116–92; 133 Stat. 1367 ), taking into account  
25 the findings and recommendations of the Inde-  
26 pendent Review Commission on Sexual Assault in

1 the Military as set forth in the report of the Com-  
2 mission titled “Hard Truths and the Duty to  
3 Change: Recommendations from the Independent  
4 Review Commission on Sexual Assault in the Mili-  
5 tary”.

6 (2) An analysis of any effects, including positive  
7 and negative effects, that may result from the modi-  
8 fication of disposition authority for offenses as de-  
9 scribed in subsection (a).

10 (c) SPECIAL VICTIM OFFENSE.—In this section, the  
11 term “special victim offense” means an offense specified  
12 in section 801(17) of title 10, United States Code (article  
13 1(17) of the Uniform Code of Military Justice), as added  
14 by **■**section 534 of this subtitle**■**.

1 **SEC. 539H [Log 73691]. REPORT ON IMPLEMENTATION OF**  
2 **RECOMMENDATIONS AND OTHER ACTIVITIES**  
3 **TO ADDRESS RACIAL, ETHNIC, AND GENDER**  
4 **DISPARITIES IN THE MILITARY JUSTICE SYS-**  
5 **TEM.**

6 Not later than 180 days after the date of the enact-  
7 ment of this Act, the Secretary of Defense shall submit  
8 to the Committees on Armed Services of the Senate and  
9 the House of Representatives a report on status of the  
10 Secretary's efforts—

11 (1) to implement the recommendations set forth  
12 in the May 2019 report of the Government Account-  
13 ability Office titled “Military Justice: DOD and the  
14 Coast Guard Need to Improve Their Capabilities to  
15 Assess Racial and Gender Disparities” (GAO–19–  
16 344); and

17 (2) to carry out the activities required under  
18 section 540I(b) of the National Defense Authoriza-  
19 tion Act for Fiscal Year 2020 (Public Law 116–92;  
20 133 Stat. 1369; 10 U.S.C. 810 note).

1 **SEC. 565 [Log 72837]. CONTINUED ASSISTANCE TO SCHOOLS**  
2 **WITH SIGNIFICANT NUMBERS OF MILITARY**  
3 **DEPENDENT STUDENTS.**

4 (a) ASSISTANCE TO SCHOOLS WITH SIGNIFICANT  
5 NUMBERS OF MILITARY DEPENDENT STUDENTS.—Of the  
6 amount authorized to be appropriated for fiscal year 2022  
7 in division D of this Act and available for operation and  
8 maintenance for Defense-wide activities as specified in the  
9 funding table in section 4301 of this Act, \$50,000,000  
10 shall be available only for the purpose of providing assist-  
11 ance to local educational agencies under subsection (a) of  
12 section 572 of the National Defense Authorization Act for  
13 Fiscal Year 2006 (Public Law 109–163; 20 U.S.C.  
14 7703b).

15 (b) IMPACT AID FOR CHILDREN WITH SEVERE DIS-  
16 ABILITIES.—Of the amount authorized to be appropriated  
17 for fiscal year 2022 in division D of this Act and available  
18 for operation and maintenance for Defense-wide activities  
19 as specified in the funding table in section 4301 of this  
20 Act, \$20,000,000 shall be available for payments under  
21 section 363 of the Floyd D. Spence National Defense Au-  
22 thorization Act for Fiscal Year 2001 (Public Law 106–  
23 398; 20 U.S.C. 7703a).

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

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



1 **SEC. 572 [Log73444]. AMENDMENTS TO ADDITIONAL DEPUTY**  
2 **INSPECTOR GENERAL OF THE DEPARTMENT**  
3 **OF DEFENSE.**

4 Section 554(a) of the William M. (Mac) Thornberry  
5 National Defense Authorization Act for Fiscal Year 2021  
6 (Public Law 116–283) is amended—

7 (1) in the section heading, by striking “**DEP-**  
8 **UTY**” and inserting “**ASSISTANT**”;

9 (2) in paragraph (1)—

10 (A) in the matter preceding subparagraph

11 (A)—

12 (i) by striking “Secretary of Defense”  
13 and inserting “Inspector General of the  
14 Department of Defense”; and

15 (ii) by striking “Deputy” and insert-  
16 ing “Assistant”;

17 (B) in subparagraph (A), by striking “of  
18 the Department”; and

19 (C) in subparagraph (B), by striking “re-  
20 port directly to and serve” and inserting “be”;

21 (3) in paragraph (2)—

22 (A) in the matter preceding clause (i) of  
23 subparagraph (A)—

24 (i) by striking “Conducting and su-  
25 pervising” and inserting “Developing and  
26 carrying out a plan for the conduct of com-

1           preprehensive oversight, including through the  
2           conduct and supervision of”; and

3                   (ii) by striking “evaluations” and in-  
4           serting “inspections,”;

5           (B) in clause (ii) of subparagraph (A), by  
6           striking “, including the duties of the Inspector  
7           General under subsection (b)”; and

8                   (C) in subparagraph (B), by striking “Sec-  
9           retary or”;

10           (4) in paragraph (3)(A) in the matter preceding  
11           subparagraph (A), by striking “Deputy” and insert-  
12           ing “Assistant”;

13           (5) in paragraph (4)—

14                   (A) in subparagraph (A), by striking  
15           “Deputy” each place it appears and inserting  
16           “Assistant”;

17                   (B) in subparagraph (B)—

18                           (i) by striking “Deputy” the first  
19           place it appears;

20                           (ii) by striking “and the Inspector  
21           General”;

22                           (iii) by striking “Deputy” the second  
23           place it appears and inserting “Assistant”;

24           and

- 1 (iv) by inserting before the period at  
2 the end the following: “, for inclusion in  
3 the next semiannual report of the Inspec-  
4 tor General under section 5 of the Inspec-  
5 tor General Act of 1978 (5 U.S.C. App.)”;
- 6 (C) in subparagraph (C)—
- 7 (i) by striking “Deputy”; and
- 8 (ii) by striking “and Inspector Gen-  
9 eral”;
- 10 (D) in subparagraph (D)—
- 11 (i) by striking “Deputy”;
- 12 (ii) by striking “and the Inspector  
13 General”;
- 14 (iii) by striking “Secretary or”; and
- 15 (iv) by striking “direct” and inserting  
16 “determine”; and
- 17 (E) in subparagraph (E)—
- 18 (i) by striking “Deputy” ; and
- 19 (ii) by striking “of the Department”  
20 and all that follows through “Representa-  
21 tives” and inserting “consistent with the  
22 requirements of the Inspector General Act  
23 of 1978 (5 U.S.C. App.)”.

1 **SEC. 714 [Log 73256]. IMPLEMENTATION OF INTEGRATED**  
2 **PRODUCT FOR MANAGEMENT OF POPU-**  
3 **LATION HEALTH ACROSS MILITARY HEALTH**  
4 **SYSTEM.**

5 (a) INTEGRATED PRODUCT.—The Secretary of De-  
6 fense shall develop and implement an integrated product  
7 for the management of population health across the mili-  
8 tary health system. Such integrated product shall serve  
9 as a repository for the health care, demographic, and other  
10 relevant data of all covered beneficiaries, including with  
11 respect to data on health care services furnished to such  
12 beneficiaries through the purchased care and direct care  
13 components of the TRICARE program, and shall—

14 (1) be compatible with the electronic health  
15 record system maintained by the Secretary for mem-  
16 bers of the Armed Forces;

17 (2) enable the coordinated case management of  
18 covered beneficiaries with respect to health care  
19 services furnished to such beneficiaries at military  
20 medical treatment facilities and at private sector fa-  
21 cilities through health care providers contracted by  
22 the Department of Defense;

23 (3) enable the collection and stratification of  
24 data from multiple sources to measure population  
25 health goals, facilitate disease management pro-  
26 grams of the Department, improve patient edu-

1 cation, and integrate wellness services across the  
2 military health system; and

3 (4) enable predictive modeling to improve  
4 health outcomes for patients and to facilitate the  
5 identification and correction of medical errors in the  
6 treatment of patients, issues regarding the quality of  
7 health care services provided, and gaps in health  
8 care coverage.

9 (b) DEFINITIONS.—In this section:

10 (1) The terms “covered beneficiary” and  
11 “TRICARE program” have the meanings given such  
12 terms in section 1072 of title 10, United States  
13 Code.

14 (2) The term “integrated product” means an  
15 electronic system of systems (or solutions or prod-  
16 ucts) that provides for the integration and sharing  
17 of data to meet the needs of an end user in a timely  
18 and cost effective manner.

1 **SEC. 715 [Log 73601]. DIGITAL HEALTH STRATEGY OF DE-**  
2 **PARTMENT OF DEFENSE.**

3 (a) DIGITAL HEALTH STRATEGY.—

4 (1) STRATEGY.—Not later than April 1, 2022,  
5 the Secretary of Defense shall develop a digital  
6 health strategy of the Department of Defense to in-  
7 corporate new and emerging technologies and meth-  
8 ods (including three-dimensional printing, virtual re-  
9 ality, wearable devices, big data and predictive ana-  
10 lytics, and other innovative methods that leverage  
11 new or emerging technologies) in the provision of  
12 clinical care within the military health system.

13 (2) ELEMENTS.—The strategy under paragraph  
14 (1) shall address, with respect to future use within  
15 the military health system, the following:

16 (A) Emerging technology to improve the  
17 delivery of clinical care and health services.

18 (B) Design thinking to improve the deliv-  
19 ery of clinical care and health services.

20 (C) Advanced clinical decision support sys-  
21 tems.

22 (D) Simulation technologies for clinical  
23 training (including through simulation  
24 immersive training) and clinical education, and  
25 for the training of health care personnel in the

1 adoption of emerging technologies for clinical  
2 care delivery.

3 (E) Wearable devices.

4 (F) Three-dimensional printing and related  
5 technologies.

6 (G) Data-driven decision making, including  
7 through the use of big data and predictive ana-  
8 lytics, in the delivery of clinical care and health  
9 services.

10 (b) REPORT.—Not later than July 1, 2022, the Sec-  
11 retary shall submit to the Committees on Armed Services  
12 of the House of Representatives and the Senate a report  
13 setting forth—

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

15 (2) a plan to implement such strategy, includ-  
16 ing the estimated timeline and cost for such imple-  
17 mentation.

1 **SEC. 716 [Log 73375]. DEVELOPMENT AND UPDATE OF CER-**  
2 **TAIN POLICIES RELATING TO MILITARY**  
3 **HEALTH SYSTEM AND INTEGRATED MEDICAL**  
4 **OPERATIONS.**

5 (a) IN GENERAL.—By not later than October 1,  
6 2022, the Secretary of Defense, in coordination with the  
7 Secretaries of the military departments and the Chairman  
8 of the Joint Chiefs of Staff, shall develop and update cer-  
9 tain policies relating to the military health system and in-  
10 tegrated medical operations of the Department of Defense  
11 as follows:

12 (1) UPDATED PLAN ON INTEGRATED MEDICAL  
13 OPERATIONS IN CONTINENTAL UNITED STATES.—

14 The Secretary of Defense shall develop an updated  
15 plan on integrated medical operations in the conti-  
16 nental United States and update the Department of  
17 Defense Instruction 6010.22, titled “National Dis-  
18 aster Medical System (NDMS)” (or such successor  
19 instruction) accordingly. Such updated plan shall—

20 (A) be informed by the operational plans of  
21 the combatant commands and by the joint med-  
22 ical estimate under section 732 of the John S.  
23 McCain National Defense Authorization Act for  
24 Fiscal Year 2019 (Public Law 115–232; 132  
25 Stat. 1817);



1 (B) include a determination as to whether  
2 combat casualties should receive medical care  
3 under the direct care or purchased care compo-  
4 nent of the military health system and a risk  
5 analysis in support of such determination;

6 (C) identify the manning levels required to  
7 furnish medical care under the updated plan,  
8 including with respect to the levels of military  
9 personnel, civilian employees of the Depart-  
10 ment, and contractors of the Department; and

11 (D) include a cost estimate for the  
12 furnishment of such medical care.

13 (2) UPDATED PLAN ON GLOBAL PATIENT  
14 MOVEMENT.—The Secretary of Defense shall develop  
15 an updated plan on global patient movement and up-  
16 date the Department of Defense Instruction  
17 5154.06, relating to medical military treatment fa-  
18 cilities and patient movement (or such successor in-  
19 struction) accordingly. Such updated plan shall—

20 (A) be informed by the operational plans of  
21 the combatant commands and by the joint med-  
22 ical estimate under section 732 of the John S.  
23 McCain National Defense Authorization Act for  
24 Fiscal Year 2019 (Public Law 115–232; 132  
25 Stat. 1817);

1 (B) include a risk assessment with respect  
2 to patient movement compared against overall  
3 operational plans;

4 (C) include a description of any capabili-  
5 ties-based assessment of the Department that  
6 informed the updated plan or that was in  
7 progress during the time period in which the  
8 updated plan was developed; and

9 (D) identify the manning levels, equipment  
10 and consumables, and funding levels, required  
11 to carry out the updated plan.

12 (3) ASSESSMENT OF BIOSURVEILLANCE AND  
13 MEDICAL RESEARCH CAPABILITIES.—The Secretary  
14 of Defense shall conduct an assessment of biosurveil-  
15 lance and medical research capabilities of the De-  
16 partment of Defense. Such assessment shall include  
17 the following:

18 (A) An identification of the location and  
19 strategic value of the overseas medical labora-  
20 tories and overseas medical research programs  
21 of the Department.

22 (B) An assessment of the current capabili-  
23 ties of such laboratories and programs with re-  
24 spect to force health protection and evidence-  
25 based medical research.

1 (C) A determination as to whether such  
2 laboratories and programs have the capabilities,  
3 including as a result of the geographic location  
4 of such laboratories and programs, to provide  
5 force health protection and evidence-based med-  
6 ical research, including by actively monitoring  
7 for future pandemics, infectious diseases, and  
8 other potential health threats to members of the  
9 Armed Forces.

10 (D) The current capabilities, with respect  
11 to biosurveillance and medical research, of the  
12 following entities:

13 (i) The Army Medical Research Devel-  
14 opment Command.

15 (ii) The Navy Medical Research Com-  
16 mand.

17 (iii) The Air Force Medical Readiness  
18 Agency.

19 (iv) The Walter Reed Army Institute  
20 of Research.

21 (v) The United States Army Medical  
22 Research Institute of Infectious Disease.

23 (vi) The Armed Forces Health Sur-  
24 veillance Branch (including the Global

1           Emerging Infectious Surveillance pro-  
2           gram).

3           (vii) Such other entities as the Sec-  
4           retary may determine appropriate.

5           (E) A determination as to whether the en-  
6           tities specified in subparagraph (D) have the  
7           capabilities, including as a result of the geo-  
8           graphic location of the entity, to provide force  
9           health protection and evidence-based medical  
10          research, including by actively monitoring for  
11          future pandemics, infectious diseases, and other  
12          potential health threats to members of the  
13          Armed Forces.

14          (F) The current manning levels of the enti-  
15          ties specified in subparagraph (D), including an  
16          assessment of whether such entities are manned  
17          at a level necessary to support the missions of  
18          the combatant commands (including with re-  
19          spect to missions related to pandemic influenza  
20          or homeland defense).

21          (G) The current funding levels of the enti-  
22          ties specified in subparagraph (D), including a  
23          risk assessment as to whether such funding is  
24          sufficient to sustain the manning levels nec-

1           essary to support missions as specified in sub-  
2           paragraph (F).

3           (4) ANALYSIS OF MILITARY HEALTH SYSTEM  
4           ORGANIZATION.—The Secretary of Defense shall  
5           conduct an analysis to determine whether the cur-  
6           rent organizational structure of the military health  
7           system allows for the implementation of the updated  
8           plans under paragraphs (1) and (2) and of any rec-  
9           ommendations made by the Secretary as a result of  
10          the assessment under paragraph (3). Such analysis  
11          shall include—

12                 (A) an assessment of how the Secretary  
13                 may leverage TRICARE Regional Offices,  
14                 TRICARE managed care support contractors,  
15                 and local or regional health care systems, to ad-  
16                 dress any potential gaps in the provision of  
17                 medical care under the military health system  
18                 that may limit the progress of such implemen-  
19                 tation or may arise as the result of such imple-  
20                 mentation; and

21                 (B) recommendations on any organiza-  
22                 tional changes to the military health system  
23                 that would be necessary for such implementa-  
24                 tion.

1           (b) INTERIM BRIEFING.—Not later than April 1,  
2 2022, the Secretary of Defense, in coordination with the  
3 Secretaries of the military departments and the Chairman  
4 of the Joint Chiefs of Staff, shall provide to the Commit-  
5 tees on Armed Services of the House of Representatives  
6 and the Senate an interim briefing on the progress of im-  
7 plementation of the plans, assessment, and analysis re-  
8 quired under subsection (a).

9           (c) REPORT.—Not later than December 1, 2022, the  
10 Secretary of Defense shall submit to the Committees on  
11 Armed Services of the House of Representatives and the  
12 Senate a report describing each updated plan, assessment,  
13 and analysis required under subsection (a).

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

3   **SEC. 731 [Log 73272]. GRANT PROGRAM FOR INCREASED**  
4                           **COOPERATION ON POST-TRAUMATIC STRESS**  
5                           **DISORDER RESEARCH BETWEEN UNITED**  
6                           **STATES AND ISRAEL.**

7           (a) SENSE OF CONGRESS.—It is the sense of Con-  
8   gress that the Secretary of Defense, acting through the  
9   Psychological Health and Traumatic Brain Injury Re-  
10   search Program, should seek to explore scientific collabo-  
11   ration between American academic institutions and non-  
12   profit research entities, and Israeli institutions with exper-  
13   tise in researching, diagnosing, and treating post-trau-  
14   matic stress disorder.

15          (b) GRANT PROGRAM.—The Secretary of Defense, in  
16   coordination with the Secretary of State, shall award  
17   grants to eligible entities to carry out collaborative re-  
18   search between the United States and Israel with respect  
19   to post-traumatic stress disorders. The Secretary of De-  
20   fense shall carry out the grant program under this section  
21   in accordance with the agreement titled “Agreement Be-  
22   tween the Government of the United States of America  
23   and the Government of Israel on the United States-Israel  
24   Binational Science Foundation”, dated September 27,  
25   1972.

1 (c) ELIGIBLE ENTITIES.—To be eligible to receive a  
2 grant under this section, an entity shall be an academic  
3 institution or a nonprofit entity located in the United  
4 States.

5 (d) AWARD.—The Secretary shall award grants  
6 under this section to eligible entities that—

7 (1) carry out a research project that—

8 (A) addresses a requirement in the area of  
9 post-traumatic stress disorders that the Sec-  
10 retary determines appropriate to research using  
11 such grant; and

12 (B) is conducted by the eligible entity and  
13 an entity in Israel under a joint research agree-  
14 ment; and

15 (2) meet such other criteria that the Secretary  
16 may establish.

17 (e) APPLICATION.—To be eligible to receive a grant  
18 under this section, an eligible entity shall submit an appli-  
19 cation to the Secretary at such time, in such manner, and  
20 containing such commitments and information as the Sec-  
21 retary may require.

22 (f) GIFT AUTHORITY.—The Secretary may accept,  
23 hold, and administer, any gift of money made on the con-  
24 dition that the gift be used for the purpose of the grant  
25 program under this section. Such gifts of money accepted



1 under this subsection shall be deposited in the Treasury  
2 in the Department of Defense General Gift Fund and shall  
3 be available, subject to appropriation, without fiscal year  
4 limitation.

5 (g) REPORTS.—Not later than 180 days after the  
6 date on which an eligible entity completes a research  
7 project using a grant under this section, the Secretary  
8 shall submit to Congress a report that contains—

9 (1) a description of how the eligible entity used  
10 the grant; and

11 (2) an evaluation of the level of success of the  
12 research project.

13 (h) TERMINATION.—The authority to award grants  
14 under this section shall terminate on the date that is seven  
15 years after the date on which the first such grant is  
16 awarded.

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

3     **SEC. 801. [Log 72895]. ACQUISITION WORKFORCE EDU-**  
4                                   **CATIONAL PARTNERSHIPS.**

5             (a) IN GENERAL.—Subchapter IV of chapter 87 of  
6 title 10, United States Code, is amended by inserting after  
7 section 1746 the following new section:

8     **“§ 1746a. Acquisition workforce educational partner-**  
9                                   **ships**

10            “(a) ESTABLISHMENT.—The Secretary of Defense,  
11 acting through the Under Secretary of Defense for Acqui-  
12 sition and Sustainment, shall establish a program within  
13 Defense Acquisition University to—

14                    “(1) facilitate the engagement of experts in in-  
15 structional design from participants in the acquisi-  
16 tion research organization established under section  
17 2361a with the faculty of the Defense Acquisition  
18 University to organize and adjust the curriculum of  
19 the Defense Acquisition University, as appropriate,  
20 to ensure that—

21                                   “(A) the curriculum accords with the edu-  
22 cational framework commonly known as  
23 Bloom’s taxonomy;

1           “(B) classes are composed of students  
2           from diverse positions in the acquisition work-  
3           force; and

4           “(C) higher level classes require students  
5           to create solutions to operational challenges re-  
6           lated to acquisition policy reform through  
7           human-centered design projects;

8           “(2) in coordination with the Office of Human  
9           Capital Initiatives, facilitate the retention of critical  
10          members of the acquisition workforce by providing  
11          academic advising with respect to classes offered by  
12          the Defense Acquisition University to both members  
13          of the acquisition workforce and the supervisors of  
14          the members to ensure that each member takes the  
15          classes that are suited to the experience level, posi-  
16          tion, and professional development of such member;

17          “(3) partner with extramural institutions to  
18          offer training to all members of the acquisition  
19          workforce addressing operational challenges that af-  
20          fect procurement decision-making, including training  
21          on—

22          “(A) intellectual property and data rights  
23          negotiations;

1           “(B) the effects of climate change and the  
2           need to invest in mitigating such effects  
3           throughout the full life cycle of a project;

4           “(C) partnering with contractors and other  
5           suppliers to attract new companies with emerg-  
6           ing technologies and to ensure supply chain re-  
7           siliency; and

8           “(D) enabling rapid and efficient procure-  
9           ment of technologies in a manner that permits  
10          quick response to technological changes;

11          “(4) support the partnerships between the De-  
12          partment of Defense and extramural institutions  
13          with missions relating to the training and develop-  
14          ment of members of the acquisition workforce;

15          “(5) accelerate the adoption of flexible con-  
16          tracting techniques by the acquisition workforce by  
17          expanding the availability of training on such tech-  
18          niques and incorporating such training into the cur-  
19          riculum of the Defense Acquisition University, in-  
20          cluding partnering with extramural institutions to  
21          expand the availability of training related to trans-  
22          action authorities under sections 2371 and 2371b to  
23          attorneys and technical specialists; and

24          “(6) enhance the reputation of the faculty of  
25          the Defense Acquisition University by—

1           “(A) building partnerships between the  
2           faculty of the Defense Acquisition University  
3           and participants in the activity established  
4           under section 2361a; and

5           “(B) supporting the preparation and draft-  
6           ing of the reports required under subsection  
7           (f)(2).

8           “(b) CURRICULUM ADJUSTMENTS.—Not later than  
9           the date that is one year after the date of the enactment  
10          of this section, the President of the Defense Acquisition  
11          University shall reorganize and adjust the curriculum of  
12          the Defense Acquisition University, as appropriate, to  
13          comply with the criteria described in subparagraphs (A),  
14          (B), and (C) of subsection (a)(1).

15          “(c) PROGRAM DIRECTOR OF STRATEGIC PARTNER-  
16          SHIPS.—

17                 “(1) ESTABLISHMENT.—There is established in  
18                 the Office of the President of the Defense Acquisi-  
19                 tion University the position of Program Director of  
20                 Strategic Partnerships.

21                 “(2) DUTIES.—The Program Director of Stra-  
22                 tegic Partnerships shall establish, develop, and  
23                 maintain partnerships between the Defense Acquisi-  
24                 tion University and extramural institutions.

25                 “(3) APPOINTMENT.—

1           “(A) IN GENERAL.—The President of the  
2           Defense Acquisition University shall appoint the  
3           Program Director of Strategic Partnerships.

4           “(B) INITIAL APPOINTMENT.—Not later  
5           than 180 days after the enactment of this sec-  
6           tion, the President of the Defense Acquisition  
7           University shall appoint a Program Director of  
8           Strategic Partnerships.

9           “(d) IMPLEMENTATION.—

10           “(1) SUPPORT FROM OTHER DEPARTMENT OF  
11           DEFENSE ORGANIZATIONS.—The Secretary of De-  
12           fense may direct other elements of the Department  
13           of Defense to provide personnel, resources, and other  
14           support to the program established under this sec-  
15           tion, as the Secretary determines appropriate.

16           “(2) IMPLEMENTATION PLAN.—

17           “(A) IN GENERAL.—Not later than one  
18           year after the date of the enactment of this sec-  
19           tion, the President of the Defense Acquisition  
20           University shall submit to the congressional de-  
21           fense committees a plan for implementing the  
22           program established under this section.

23           “(B) ELEMENTS.—The plan required  
24           under subparagraph (A) shall include the fol-  
25           lowing:

1                   “(i) Plans that describe any support  
2                   that will be provided for the program by  
3                   other elements of the Department of De-  
4                   fense under paragraph (1).

5                   “(ii) Plans for the implementation of  
6                   the program, including plans for—

7                                 “(I) future funding and adminis-  
8                                 trative support of the program;

9                                 “(II) integration of the program  
10                                into the programming, planning,  
11                                budgeting, and execution process of  
12                                the Department of Defense;

13                               “(III) integration of the program  
14                                with the other programs and initia-  
15                                tives within the Department relating  
16                                to innovation and outreach to the aca-  
17                                demic and the private sector; and

18                               “(IV) performance indicators by  
19                                which the program will be assessed  
20                                and evaluated.

21                   “(iii) A description of any additional  
22                   authorities the Secretary of Defense may  
23                   require to carry out the responsibilities  
24                   under this section.

1       “(e) FUNDING.—Subject to the availability of appro-  
2 priations, the Under Secretary of Defense for Acquisition  
3 and Sustainment may use amounts available in the De-  
4 fense Acquisition Workforce and Development Account (as  
5 established under section 1705) to carry out the require-  
6 ments of this section.

7       “(f) ANNUAL REPORTS.—

8           “(1) IN GENERAL.—Not later than September  
9 30, 2022, and annually thereafter, the President of  
10 the Defense Acquisition University shall submit to  
11 the Secretary of Defense and the congressional de-  
12 fense committees a report describing the activities  
13 conducted under this section during the one-year pe-  
14 riod ending on the date on which such report is sub-  
15 mitted.

16           “(2) FACULTY REPORTS.—

17           “(A) IN GENERAL.—Except as provided in  
18 subparagraph (C), not later than six months  
19 after the date of the enactment of this section,  
20 and not later than March 1 of each year there-  
21 after, each individual employed by the Defense  
22 Acquisition University as a full-time professor,  
23 instructor, or lecturer and each group created  
24 under subparagraph (B) shall submit to the  
25 congressional defense committees a report on



1 the area of Federal acquisition expertise of such  
2 individual or group, including—

3 “(i) developments in such area during  
4 the one-year ending on the date on which  
5 the report is submitted; and

6 “(ii) suggested legislative and regu-  
7 latory reforms.

8 “(B) GROUP DETERMINATIONS.—The  
9 President of the Defense Acquisition University  
10 may group together individuals described in  
11 subparagraph (A) that the President of the De-  
12 fense Acquisition University determines to be  
13 experts in the same or substantially overlapping  
14 areas of Federal acquisition.

15 “(C) INDIVIDUAL REPORT EXCEPTION.—  
16 Subparagraph (A) shall not apply with respect  
17 to an individual that is a member of a group  
18 created under subparagraph (B) for any year in  
19 which such group submits a report under this  
20 paragraph to which such individual contributed  
21 as a member of such group.

22 “(g) EXEMPTION TO REPORT TERMINATION RE-  
23 QUIREMENTS.—Section 1080(a) of the National Defense  
24 Authorization Act for Fiscal Year 2016 (Public Law 114–  
25 92; 129 Stat. 1000; 10 U.S.C. 111 note), as amended by

1 section 1061(j) of the National Defense Authorization Act  
2 for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
3 2405; 10 U.S.C. 111 note), does not apply with respect  
4 to the reports required to be submitted to Congress under  
5 this section.

6 “(h) DEFINITIONS.—In this section:

7 “(1) ACQUISITION WORKFORCE.—The term ‘ac-  
8 quisition workforce’ has the meaning given such  
9 term in section 1705(g).

10 “(2) EXTRAMURAL INSTITUTIONS.—The term  
11 ‘extramural institutions’ means participants in an  
12 activity established under section 2361a, public sec-  
13 tor organizations, and nonprofit credentialing orga-  
14 nizations.

15 “(3) HUMAN-CENTERED DESIGN.—The term  
16 ‘human-centered design’ means a solution to a prob-  
17 lem that is based on a problem-solving approach  
18 under which the individual or entity seeking to solve  
19 the problem—

20 “(A) develops an understanding of the  
21 problem primarily by interacting with individ-  
22 uals who are experiencing the problem;

23 “(B) creates solutions to the problem that  
24 are based on such understanding and which are

1 designed to address the needs of such individ-  
2 uals with respect to the problem; and

3 “(C) involves such individuals in the devel-  
4 opment and testing of such solutions.

5 “(4) NONPROFIT CREDENTIALING ORGANIZA-  
6 TION.—The term ‘nonprofit credentialing organiza-  
7 tion’ means a nonprofit organization that offers a  
8 credentialing program that—

9 “(A) is accredited by a nationally-recog-  
10 nized, third-party personnel certification pro-  
11 gram accreditor;

12 “(B)(i) is sought or accepted by employers  
13 within the industry or sector involved as a rec-  
14 ognized, preferred, or required credential for re-  
15 cruitment, screening, hiring, retention, or ad-  
16 vancement purposes; and

17 “(ii) where appropriate, is endorsed  
18 by a nationally-recognized trade association  
19 or organization representing a significant  
20 part of the industry or sector; or

21 “(C) meets credential standards of a Fed-  
22 eral agency.

23 “(5) TECHNICAL SPECIALIST.—The term ‘tech-  
24 nical specialist’ means an individual who is author-  
25 ized by the Secretary of Defense or a Secretary of

1 a military department to enter into agreements  
2 under the authority of section 2371 or 2371b and is  
3 not otherwise authorized to enter into procurement  
4 contracts or cooperative agreements.”.

5 (b) CLERICAL AMENDMENT.—The table of sections  
6 for subchapter IV of chapter 87 of title 10, United States  
7 Code, is amended by inserting after the item relating to  
8 section 1746 the following new item:

“1746a. Acquisition workforce educational partnerships.”.

1 **SEC. 802. [Log 73536]. WEBSITE FOR CERTAIN DOMESTIC**  
2 **PROCUREMENT WAIVERS.**

3 (a) **IN GENERAL.**—Section 4814 of title 10, United  
4 States Code, as transferred and redesignated by section  
5 1867(b) of the National Defense Authorization Act for  
6 Fiscal Year 2021 (Public Law 116–283), is amended by  
7 adding at the end the following new subsection:

8 “(c) **WEBSITE REQUIRED.**—Not later than 18  
9 months after the date of the enactment of this subsection,  
10 the Secretary of Defense shall establish and maintain a  
11 single publicly available website for the purpose of pub-  
12 lishing the information required by subsection (a)(5).”.

13 (b) **EFFECTIVE DATE.**—The amendments made by  
14 this section shall take effect on January 1, 2022.

1 **SEC. 803. [Log 73160]. DIVERSITY AND INCLUSION REPORT-**  
2 **ING REQUIREMENTS FOR COVERED CON-**  
3 **TRACTORS.**

4 (a) IN GENERAL.—Subchapter V of chapter 325 of  
5 title 10, United States Code, is amended by inserting after  
6 section 4892 the following new section:

7 **“§ 4893. Diversity and inclusion reporting require-**  
8 **ments for covered contractors**

9 “(a) COVERED CONTRACTOR REPORTS.—

10 “(1) IN GENERAL.—The Secretary of Defense  
11 shall require each covered contractor awarded a cov-  
12 ered contract to submit to the Secretary of Defense  
13 by the last day of each full fiscal year that occurs  
14 during the period of performance of a covered con-  
15 tract a report on diversity and inclusion.

16 “(2) ELEMENTS.—Each report under para-  
17 graph (1) shall include, as applicable—

18 “(A) any data, based on voluntary self-  
19 identification, on the racial, ethnic, and gender  
20 composition of the members of the board of di-  
21 rectors of the covered contractor, nominees for  
22 the board of directors of the covered contractor,  
23 and the senior leaders of the covered contractor;

24 “(B) the status of any member of the  
25 board of directors of the covered contractor,  
26 nominees for the board of directors of the cov-

1 covered contractor, or any senior leader of the cov-  
2 ered contractor, based on voluntary self-identi-  
3 fication, as a veteran;

4 “(C) whether the board of directors of the  
5 covered contractor has, as of the date on which  
6 the covered contractor submits a report under  
7 this section, adopted any policy, plan, or strat-  
8 egy to promote racial, ethnic, and gender diver-  
9 sity among the members of the board of direc-  
10 tors of the covered contractor, nominees for the  
11 board of directors of the covered contractor, or  
12 the senior leaders of the covered contractor; and

13 “(D) a description of participation by the  
14 covered contractor in diversity programs, to in-  
15 clude hours spent, funds expended in support  
16 of, and the number of unique relationships es-  
17 tablished by each such diversity program.

18 “(b) ANNUAL SUMMARY REPORT.—

19 “(1) REPORT REQUIRED.—Not later than 60  
20 days after the first day of each fiscal year, the Sec-  
21 retary shall submit to the congressional defense com-  
22 mittees a report summarizing the reports submitted  
23 pursuant to subsection (a).

24 “(2) ELEMENTS.—Each report under para-  
25 graph (1) shall include—

1           “(A) an index of the reports submitted  
2 pursuant to subsection (a); and

3           “(B) a narrative that analyzes the infor-  
4 mation disclosed in such reports and identifies  
5 any year-to-year trends in such information;  
6 and

7           “(C) a compilation of the data described in  
8 subsection (a), disaggregated as described in  
9 such subparagraphs.

10          “(3) PUBLIC AVAILABILITY.—Each report re-  
11 quired under this subsection shall be posted on a  
12 single publicly available website of the Department  
13 of Defense and made available in a machine-readable  
14 format that is downloadable, searchable, and sort-  
15 able.

16          “(d) DEFINITIONS.—In this section:

17           “(1) COVERED CONTRACT.—The term ‘covered  
18 contract’—

19           “(A) means a contract or other agreement  
20 valued greater than \$150,000 between the Sec-  
21 retary of Defense and one or more other per-  
22 sons creating obligations that are enforceable or  
23 otherwise recognizable at law; and

24           “(B) includes first-tier subcontracts or  
25 subagreements and transactions (other than a



1 contract, grant, or cooperative agreement) de-  
2 scribed in section 4003 of this title.

3 “(2) COVERED CONTRACTOR.—The term ‘cov-  
4 ered contractor’ means a prime contractor, first-tier  
5 subcontractor, or supplier awarded a covered con-  
6 tract that has 15 or more employees.

7 “(3) DIVERSITY PROGRAM.—The term ‘diver-  
8 sity program’ means—

9 “(A) a program conducted under section  
10 3904 of this title;

11 “(B) a mentor-protege relationship estab-  
12 lished under section 831 of the National De-  
13 fense Authorization Act for Fiscal Year 1991  
14 (10 U.S.C. 2302 note);

15 “(C) a program conducted under section  
16 2192a of this title; or

17 “(D) any other program designated by the  
18 Secretary of Defense as designed to increase  
19 the diversity of the workforce of the defense in-  
20 dustrial base.

21 “(4) SENIOR LEADER.—The term ‘senior lead-  
22 er’ means—

23 “(A) the president of a covered contractor;

1           “(B) any vice president in charge of a  
2           principal business unit, division, or function of  
3           a covered contractor; or

4           “(C) any other officer of a covered con-  
5           tractor who performs a policy-making func-  
6           tion.”.

7           (b) CLERICAL AMENDMENT.—The table of sections  
8           for subchapter V of chapter 325 of title 10, United States  
9           Code, is amended by adding after the item related to sec-  
10          tion 4892 the following new item:

          “4893. Diversity and inclusion reporting requirements for covered contractors.”.

11          (c) EFFECTIVE DATE AND APPLICABILITY.—The  
12          amendments made by this section shall take effect on July  
13          1, 2022, and shall apply with respect to contracts entered  
14          into on or after July 1, 2022.

1 **SEC. 804. [Log 73537]. SUSPENSION OR DEBARMENT REFER-**  
2 **RAL FOR EGREGIOUS VIOLATIONS OF CER-**  
3 **TAIN DOMESTIC PREFERENCE LAWS.**

4 (a) IN GENERAL.—A contracting officer shall refer  
5 to the appropriate suspension or debarment official any  
6 current or former contractor of the Department of De-  
7 fense if such contracting officer reasonably believes that  
8 such contractor has egregiously violated any covered do-  
9 mestic preference law.

10 (b) EGREGIOUS VIOLATION DETERMINATION.—For  
11 the purposes of this section, a contractor egregiously vio-  
12 lates a covered domestic preference law when—

13 (1) such contractor knowingly or willfully uses  
14 or provides goods, articles, materials, or supplies in  
15 violation of a covered domestic preference law; and

16 (2) such violation, individually or in the aggre-  
17 gate with other violations of domestic preference  
18 laws by such contractor, is severe (including through  
19 the effects, dollar value, or frequency, or any com-  
20 bination thereof, of such violations).

21 (c) DEBARMENT OR SUSPENSION BASIS.—An egre-  
22 gious violation of a covered domestic preference law by a  
23 contractor may be a basis for suspension or debarment  
24 of the contractor.

25 (d) SAFE HARBOR.—The use or provision of goods,  
26 articles, materials, or supplies by a contractor in violation

1 of a covered domestic preference law may not be consid-  
2 ered such a violation for the purposes of a determining  
3 whether such contractor has egregiously violated any cov-  
4 ered domestic preference law if such contractor reasonably  
5 acted in good-faith reliance on—

6 (1) a written waiver from an individual who is  
7 permitted by law or regulation to waive the covered  
8 domestic preference law; or

9 (2) a representation by a third party about the  
10 origin of such goods, articles, materials, or supplies.

11 (e) COVERED DOMESTIC PREFERENCE LAW DE-  
12 FINED.—In this section, the term “covered domestic pref-  
13 erence law” means any provision of section 2533a or  
14 2533b of title 10, United States Code, or chapter 83 of  
15 title 41 of such Code that requires or creates a preference  
16 for the procurement of goods, articles, materials, or sup-  
17 plies, that are grown, mined, reprocessed, reused, manu-  
18 factured, or produced in the United States.

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

4 **SEC. 811. [Log 73009]. MODIFICATIONS TO CONTRACTS SUB-**  
5 **JECT TO COST OR PRICING DATA CERTIFI-**  
6 **CATION.**

7 Section 2306a(a)(6) of title 10, United States Code,  
8 is amended—

9 (1) by striking “Upon the request” and all that  
10 follows through “paragraph (1)” and inserting  
11 “Under paragraph (1),”; and

12 (2) by striking “modify the contract” and all  
13 that follows through “consideration.” and inserting  
14 “modify the contract as soon as practicable to reflect  
15 subparagraphs (B) and (C) of such paragraph, with-  
16 out requiring consideration.”.

1 **SEC. 813. [Log 72894]. REPEAL OF PREFERENCE FOR FIXED-**  
2 **PRICE CONTRACTS.**

3 (a) REPEAL.—Section 829 of the National Defense  
4 Authorization Act for Fiscal Year 2017 (10 U.S.C. 2306  
5 note) is repealed.

6 (b) CONFORMING AMENDMENT.—Chapter 242 of  
7 title 10, United States Code, as amended by section  
8 1817(a) of the William M. (Mac) Thornberry National De-  
9 fense Authorization Act for Fiscal Year 2021 (Public Law  
10 116–283) is amended—

11 (1) in table of contents for such chapter, by  
12 striking the item relating to section 3324; and

13 (2) by striking the enumerator, section heading,  
14 and subsequent matter relating to section 3324.

1 **SEC. 815. [Log 73166]. OTHER TRANSACTION AUTHORITY IN-**  
2 **FORMATION ACCESSIBILITY.**

3 Not later than 180 days after the date of the enact-  
4 ment of this Act, the Under Secretary of Defense for Ac-  
5 quisition & Sustainment shall submit to the congressional  
6 defense committees recommendations for making data on  
7 the exercise of the authorities provided under sections  
8 2371 or 2371b of title 10, United States Code, more ac-  
9 cessible to the public and improving the reporting of such  
10 information, including recommendations for—

11 (1) reducing data reporting requirements to the  
12 minimum necessary to identify—

13 (A) with respect to a transaction under ei-  
14 ther such section—

15 (i) the participants to the transaction  
16 (other than the Federal Government), in-  
17 cluding each business selected to perform  
18 work under the transaction by a partici-  
19 pant to the transaction that is a consor-  
20 tium of private entities;

21 (ii) the date on which each participant  
22 entered into the transaction; and

23 (iii) the amount of the transaction;  
24 and

1 (B) with respect to a follow-on contract or  
2 transaction awarded under section 2371b of  
3 title 10, United States Code—

- 4 (i) the awardee;  
5 (ii) the amount; and  
6 (iii) the date awarded.

7 (2) a method for collecting such information in  
8 an online, public, searchable database.



1 **SEC. 823. [Log 73603]. MODIFICATIONS TO PRINTED CIR-**  
2 **CUIT BOARD ACQUISITION RESTRICTIONS.**

3 (a) IN GENERAL.—Section 2533d of title 10, United  
4 States Code, is amended—

5 (1) in subsection (a)—

6 (A) in paragraph (1), by striking “January  
7 1, 2023” and inserting “the date determined  
8 under paragraph (3)”; and

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

11 “(3)(A) Except as otherwise provided in this  
12 paragraph, paragraph (1) shall take effect on Janu-  
13 ary 1, 2029.

14 “(B) Paragraph (1) may take effect on a date  
15 determined by the Secretary if—

16 “(i) such date is during the period begin-  
17 ning on January 1, 2026, and ending on De-  
18 cember 31, 2028;

19 “(ii) the Secretary has promulgated final  
20 regulations, after an opportunity for notice and  
21 comment that is not less than 12 months, im-  
22 plementing this section; and

23 “(iii) the Secretary determines that mak-  
24 ing such paragraph effective on such date—

25 “(I) will benefit national security;

1 “(II) will not unduly burden the De-  
2 partment of Defense or the defense indus-  
3 trial base;

4 “(III) will not unreasonably increase  
5 the cost to acquire covered printed circuit  
6 boards or end items containing covered  
7 printed circuit boards; and

8 “(IV) will not create a gap in any  
9 supply chain that poses an undue risk to  
10 national security.

11 “(C) The Secretary may determine that para-  
12 graph (1) applies to a contract on or after January  
13 1, 2026, if—

14 “(i) the contract is for the acquisition of  
15 covered printed circuit boards that are manu-  
16 factured by, or to the specifications of, a prime  
17 contractor of such contract; and

18 “(ii) the Secretary has promulgated final  
19 regulations, after an opportunity for notice and  
20 comment that is not less than 12 months, im-  
21 plementing this section.”;

22 (2) in subsection (c)—

23 (A) in paragraph (1), by inserting “speci-  
24 fied type of” after “means any”;

25 (B) in paragraph (2)—

1 (i) in subparagraph (A), by striking  
2 “(as such terms are defined under sections  
3 103 and 103a of title 41, respectively)”;  
4 and

5 (ii) by amending subparagraph (B) to  
6 read as follows:

7 “(B) is a component of—

8 “(i) a defense security system ac-  
9 quired under a contract entered into after  
10 January 1, 2026; or

11 “(ii) a system, other than a defense  
12 security system, that transmits or stores  
13 information and which the Secretary iden-  
14 tifies as national security sensitive in the  
15 contract under which such printed circuit  
16 board is acquired.”; and

17 (C) by adding at the end the following new  
18 paragraphs:

19 “(3) COMMERCIAL PRODUCT; COMMERCIAL  
20 SERVICE; COMMERCIALLY AVAILABLE OFF-THE-  
21 SHELF ITEM.—The terms ‘commercial product’,  
22 ‘commercial service’, and ‘commercially available off-  
23 the-shelf item’ have the meanings given such terms  
24 in sections 103, 103a, and 104 of title 41, respec-  
25 tively.

1           “(4) DEFENSE SECURITY SYSTEM.—(A) The  
2 term ‘defense security system’ means an information  
3 system (including a telecommunications system)  
4 used or operated by the Department of Defense, by  
5 a contractor of the Department, or by another orga-  
6 nization on behalf of the Department, the function,  
7 operation, or use of which—

8                   “(i) involves command and control of  
9 an armed force;

10                   “(ii) involves equipment that is an in-  
11 tegral part of a weapon or weapon system;  
12 or

13                   “(iii) subject to subparagraph (B), is  
14 critical to the direct fulfillment of military  
15 missions.

16           “(B) Subparagraph (A)(iii) does not include a  
17 system that is to be used for routine administrative  
18 and business applications (including payroll, finance,  
19 logistics, and personnel management applications).

20           “(5) SPECIFIED TYPE.—The term ‘specified  
21 type’ means a printed circuit board that is a compo-  
22 nent of a motherboard, networking server, field-pro-  
23 grammable gate array, or other end item, good, or  
24 product specified by the Secretary in accordance  
25 with subsection (d)(2).”; and

1           (3) by amending subsection (d) to read as fol-  
2       lows:

3       “(d) RULEMAKING.—(1) The Secretary may issue  
4 rules providing that subsection (a) does not apply with re-  
5 spect to an acquisition of a commercially available off-the-  
6 shelf item if—

7           “(A) the contractor supplying the item has en-  
8       tered into a contract with the Government requiring  
9       such contractor to take certain actions to ensure the  
10      integrity and security of the item, including by pro-  
11      tecting the item from unauthorized access, use, dis-  
12      closure, disruption, modification, or destruction; or

13          “(B) the contractor has procedures, tools, and  
14      methods for identifying the sources of the compo-  
15      nents of such item that the Secretary determines  
16      meet commercial best practices.

17      “(2) The Secretary may issue rules specifying end  
18 items, goods, and products for which a printed circuit  
19 board that is a component thereof shall be a ‘specified  
20 type’ if the Secretary has promulgated final regulations,  
21 after an opportunity for notice and comment that is not  
22 less than 12 months, implementing this section.

23      “(3) In carrying out this section, the Secretary shall,  
24 to the maximum extent practicable, avoid imposing con-  
25 tractual certification requirements with respect to the ac-

1 quision of commercial products, commercial services, or  
2 commercially available off-the-shelf items.”.

3 (b) MODIFICATION OF INDEPENDENT ASSESSMENT  
4 OF PRINTED CIRCUIT BOARDS.—Section 841(d) of the  
5 William M. (Mac) Thornberry National Defense Author-  
6 ization Act for Fiscal Year 2021 (Public Law 116-283)  
7 is amended—

8 (1) in paragraph (1)—

9 (A) by striking “the date of enactment of  
10 this Act” and inserting “the date of the enact-  
11 ment of the National Defense Authorization Act  
12 for Fiscal Year 2022”;

13 (B) by striking “shall seek to enter” and  
14 inserting “shall enter”;

15 (C) by striking “to include printed circuit  
16 boards in commercial products or services, or  
17 in” and inserting “to printed circuit boards in  
18 other commercial or”; and

19 (D) by striking “the scope of mission crit-  
20 ical” and all that follows through the period at  
21 the end and inserting “types of systems other  
22 than defense security systems (as defined in  
23 section 2533d(e) of title 10, United States  
24 Code) that should be subject to the prohibition

1 in section 2533d(a) of title 10, United States  
2 Code.”;

3 (2) in the heading for paragraph (2), by strik-  
4 ing “department of defense” and inserting “Depart-  
5 ment of Defense”;

6 (3) in paragraph (2), by striking “one year  
7 after entering into the contract described in para-  
8 graph (1)” and inserting “January 1, 2023”;

9 (4) in the heading for paragraph (3), by strik-  
10 ing “congress” and inserting “Congress”; and

11 (5) in paragraph (3), by inserting after “the  
12 recommendations of the report.” the following: “The  
13 Secretary shall use the report to determine whether  
14 any systems (other than defense security systems (as  
15 defined in section 2533d(c) of title 10, United States  
16 Code)) or other types of printed circuit boards  
17 should be subject to the prohibition in section  
18 2533d(a) of title 10, United States Code.”.

1                   **Subtitle D—Other Matters**

2   **SEC. 831. [Log 73441] MISSION MANAGEMENT PILOT PRO-**  
3                   **GRAM.**

4           (a) IN GENERAL.—Subject to the availability of ap-  
5 propriations, the Secretary of Defense shall establish with-  
6 in the Strategic Capabilities Office of the Department of  
7 Defense a pilot program to identify lessons learned and  
8 improved mission outcomes achieved by quickly delivering  
9 solutions that fulfill critical operational needs arising from  
10 cross-service missions undertaken by combatant com-  
11 mands through the use of a coordinated and iterative ap-  
12 proach to develop, evaluate, and transition such solutions.

13           (b) MISSIONS SELECTION.—

14               (1) IN GENERAL.—Except as provided in para-  
15 graph (3), the Deputy Secretary of Defense shall se-  
16 lect missions with respect to which to carry out the  
17 pilot program.

18               (2) SELECTION CRITERIA.—When selecting mis-  
19 sions under paragraph (1), the Deputy Secretary of  
20 Defense shall—

21                   (A) select missions with critical cross-serv-  
22 ice operational needs; and

23                   (B) consider—

24                       (i) the strategic importance of the  
25                       critical cross-service operational needs to



1 the operational plans of the relevant com-  
2 batant commands; and

3 (ii) the advice of the Cross-Functional  
4 Teams of the Strategic Capabilities Office  
5 regarding mission selection.

6 (3) INITIAL MISSION.—

7 (A) IN GENERAL.—Not later than four  
8 months after the date of the enactment of this  
9 section, the Director of the Strategic Capabili-  
10 ties Office shall select a mission under the pilot  
11 program that has critical cross-service oper-  
12 ational needs and which is of strategic impor-  
13 tance to the operational plans of the United  
14 States Indo-Pacific Command.

15 (B) MISSION SELECTION APPROVAL.—The  
16 mission selected by the Director of the Strategic  
17 Capabilities Office under subparagraph (A)  
18 shall be subject to the approval of the Deputy  
19 Secretary of Defense.

20 (c) MISSION MANAGERS.—

21 (1) IN GENERAL.—A mission manager shall  
22 carry out the pilot program with respect to each  
23 mission.

24 (2) RESPONSIBILITIES.—With respect to each  
25 mission, the relevant mission manager shall—

1 (A) identify critical cross-service oper-  
2 ational needs by enumerating the options avail-  
3 able to the combatant command responsible for  
4 carrying out such mission and determining the  
5 resiliency of such options to threats from adver-  
6 saries;

7 (B) in coordination with the military serv-  
8 ices and appropriate Defense Agencies and  
9 Field Activities, develop and deliver solutions,  
10 including software and information technology  
11 solutions and other functionalities unaligned  
12 with any one weapon system of a covered  
13 Armed Service, to—

14 (i) fulfill critical cross-service oper-  
15 ational needs; and

16 (ii) address future changes to existing  
17 critical cross-service operational needs by  
18 providing additional capabilities;

19 (C) work with the combatant command re-  
20 sponsible for such mission and the related plan-  
21 ning organizers, service program managers, and  
22 defense research and development activities to  
23 carry out iterative testing and support to initial  
24 operational fielding of the solutions described in  
25 subparagraph (B);

1 (D) conduct research, development, test,  
2 evaluation, and transition support activities  
3 with respect to the delivery of the solutions de-  
4 scribed in subparagraph (B);

5 (E) seek to integrate existing, emerging,  
6 and new capabilities available to the Depart-  
7 ment of Defense in the development of the solu-  
8 tions described in subparagraph (B); and

9 (F) provide to the Deputy Secretary of De-  
10 fense mission management activity updates and  
11 reporting on the use of funds under the pilot  
12 program with respect to such mission.

13 (3) DIRECTOR OF THE STRATEGIC CAPABILI-  
14 TIES OFFICE.—The Director of the Strategic Capa-  
15 bilities Office shall be the mission manager for each  
16 mission selected under subsection (b).

17 (4) ITERATIVE APPROACH.—The mission man-  
18 ager shall, to the extent practicable, carry out the  
19 pilot program with respect to each mission selected  
20 under subsection (b) by integrating existing, emerg-  
21 ing, and new military capabilities, and managing a  
22 portfolio of small, iterative development and support  
23 to initial operational fielding efforts.

24 (5) OTHER PROGRAM MANAGEMENT RESPON-  
25 SIBILITIES.—The activities undertaken by the mis-

1 sion manager with respect to a mission, including  
2 mission management, do not supersede or replace  
3 the program management responsibilities of any  
4 other individual that are related to such missions.

5 (d) DATA COLLECTION REQUIREMENT.—The Deputy  
6 Secretary of Defense shall develop and implement a plan  
7 to collect and analyze data on the pilot program for the  
8 purposes of—

9 (1) developing and sharing best practices for  
10 applying emerging technology and supporting new  
11 operational concepts to improve outcomes on key  
12 military missions and operational challenges; and

13 (2) providing information to the leadership of  
14 the Department on the implementation of the pilot  
15 program and related policy issues.

16 (e) ASSESSMENTS.—During the five-year period be-  
17 ginning on the date of the enactment of this Act, the Dep-  
18 uty Secretary of Defense shall regularly assess—

19 (1) the authorities required by the missions  
20 manager to effectively and efficiently carry out the  
21 pilot program with respect to the missions selected  
22 under subsection (b); and

23 (2) whether the mission manager has access to  
24 sufficient funding to carry out the research, develop-  
25 ment, test, evaluation, and support to initial oper-

1       ational fielding activities required to deliver solutions  
2       fulfilling the critical cross-service operational needs  
3       of the missions.

4       (f) BRIEFINGS.—

5           (1) SEMIANNUAL BRIEFING.—

6               (A) IN GENERAL.—Not later than July 1,  
7               2022, and every six months thereafter until the  
8               date that is five years after the date of the en-  
9               actment of this Act, the mission manager shall  
10              provide to the congressional defense committees  
11              a briefing on the progress of the pilot program  
12              with respect to each mission selected under sub-  
13              section (b), the anticipated mission outcomes,  
14              and the funds used to carry out the pilot pro-  
15              gram with respect to such mission.

16              (B) INITIAL BRIEFING.—The Deputy Sec-  
17              retary of Defense shall include in the first brief-  
18              ing submitted under subparagraph (A) a brief-  
19              ing on the implementation of the pilot program,  
20              including—

21                      (i) the actions taken to implement the  
22                      pilot program;

23                      (ii) an assessment of the pilot pro-  
24                      gram;

1 (iii) requests for Congress to provide  
2 authorities required to successfully carry  
3 out the pilot program; and

4 (iv) a description of the data plan re-  
5 quired under subsection (d).

6 (2) ANNUAL BRIEFING.—Not later than one  
7 year after the date on which the pilot program is es-  
8 tablished, and annually thereafter until the date that  
9 is five years after the date of the enactment of this  
10 Act, the Deputy Secretary of Defense shall submit  
11 to the congressional defense committees a briefing  
12 on the pilot program, including—

13 (A) the data collected and analysis per-  
14 formed under subsection (d);

15 (B) lessons learned;

16 (C) the priorities for future activities of  
17 the pilot program; and

18 (D) such other information as the Deputy  
19 Secretary determines appropriate.

20 (3) RECOMMENDATION.—Not later than two  
21 years after the date of the enactment of this Act, the  
22 Deputy Secretary of Defense shall submit to Con-  
23 gress a briefing on the recommendations of the Dep-  
24 uty Secretary with respect to the pilot program and  
25 shall concurrently submit to Congress—

1 (A) a written assessment of the pilot pro-  
2 gram;

3 (B) a written recommendation on con-  
4 tinuing or expanding the mission integration  
5 pilot program;

6 (C) requests for Congress to provide au-  
7 thorities required to successfully carry out the  
8 pilot program; and

9 (D) the data collected and analysis per-  
10 formed under subsection (d).

11 (g) TRANSITION.—Beginning in fiscal year 2025, the  
12 Deputy Secretary of Defense may transition responsibil-  
13 ities for research, development, test, evaluation, and sup-  
14 port to initial operational fielding activities started under  
15 the pilot program to other elements of the Department  
16 for purposes of delivering solutions fulfilling critical cross-  
17 service operational needs.

18 (h) TERMINATION DATE.—The pilot program shall  
19 terminate on the date that is 5 years after the date of  
20 the enactment of this Act.

21 (i) RULE OF CONSTRUCTION.—Nothing in this sec-  
22 tion shall be construed as providing any authority not oth-  
23 erwise provided by law to procure, or enter agreements  
24 to procure, any goods, materials, or services.

25 (j) DEFINITIONS.—In this section:

1           (1) COVERED ARMED FORCE.—The term “cov-  
2           ered Armed Force” means—

3                   (A) the Army;

4                   (B) the Navy;

5                   (C) the Air Force;

6                   (D) the Marine Corps; or

7                   (E) the Space Force.

8           (2) CROSS-FUNCTIONAL TEAMS OF THE STRA-  
9           TEGIC CAPABILITIES OFFICE.—The term “Cross-  
10           Functional Teams of the Strategic Capabilities Of-  
11           fice” means the teams established in the Strategic  
12           Capabilities Office of the Department of Defense  
13           pursuant to section 233(b) of the National Defense  
14           Authorization Act for Fiscal Year 2020 (Public Law  
15           116-92; 133 Stat. 1277; 10 U.S.C. 132 note).

16           (3) CROSS-SERVICE.—The term “cross-service”  
17           means pertaining to multiple covered Armed Forces.

18           (4) CROSS-SERVICE OPERATIONAL NEED.—The  
19           term “cross-service operational need” means an  
20           operational need arising from a mission undertaken  
21           by a combatant command which involves multiple  
22           covered Armed Forces.

23           (5) DEFENSE AGENCY; MILITARY DEPART-  
24           MENT.—The terms “Defense Agency” and “military



1 department” have the meanings given such terms in  
2 section 101(a) of title 10, United States Code.

3 (6) FIELD ACTIVITY.—The term “Field Activ-  
4 ity” has the meaning given the term “Department of  
5 Defense Field Activity” in section 101(a) of title 10,  
6 United States Code.

7 (7) MISSION MANAGEMENT.—The term “mis-  
8 sion management” means the integration of mate-  
9 riel, digital, and operational elements to improve de-  
10 fensive and offensive options and outcomes for a  
11 specific mission or operational challenge.

12 (8) PILOT PROGRAM.—The term “pilot pro-  
13 gram” means the pilot program established under  
14 subsection (a).

1 **SEC. 832. [Log 72900]. PILOT PROGRAM TO DETERMINE THE**  
2 **COST COMPETITIVENESS OF DROP-IN FUELS.**

3 (a) ESTABLISHMENT.—The Secretary of Defense, in  
4 consultation with the Under Secretary of Defense for Ac-  
5 quisition and Sustainment and the Under Secretary of De-  
6 fense (Comptroller), shall establish a pilot program to de-  
7 termine the cost competitiveness of the fully burdened cost  
8 of drop-in fuels compared with the fully burdened cost of  
9 traditional fuels using a scenario-based strategic sourcing  
10 tool as described in subsection (b).

11 (b) USE OF SCENARIO-BASED STRATEGIC SOURCING  
12 TOOL.—The Under Secretary of Defense (Comptroller),  
13 in coordination with the Director of Defense Logistics  
14 Agency, shall identify an aviation fuel program and use  
15 a commercially available scenario-based strategic sourcing  
16 tool to—

17 (1) analyze performance risks and benefits of  
18 drop-in fuels compared to traditional fuels;

19 (2) determine cost-competitiveness of drop-in  
20 fuels compared to traditional fuels;

21 (3) improve supplier performance of contracts  
22 to procure aviation fuel; and

23 (4) minimize risk, increase transparency, and  
24 manage unforeseen circumstances for the Depart-  
25 ment of Defense.

1 (c) DOCUMENTATION.—The Under Secretary of De-  
2 fense (Comptroller) shall use the scenario-based strategic  
3 sourcing tool described in subsection (b) to maintain docu-  
4 mentation of the costs of each such contract in order to  
5 develop better price estimates and procurement strategies  
6 for acquiring aviation fuel.

7 (d) REPORT.—Not later than September 30, 2022,  
8 and annually thereafter until the termination date de-  
9 scribed in subsection (f), the Secretary of Defense shall  
10 submit a report to the congressional defense committees  
11 on the status and impact of the pilot program established  
12 under this section.

13 (e) DEFINITIONS.—In this section:

14 (1) The terms “drop-in fuel”, “fully burdened  
15 cost”, and “traditional fuel” have the meanings  
16 given, respectively, in section 2922h of title 10,  
17 United States Code.

18 (2) The term “scenario-based strategic  
19 sourcing” means a method for testing the supply  
20 chain effects using automated software to model var-  
21 ious scenarios relating to—

22 (A) contract management;

23 (B) spend analysis;

24 (C) supplier management;

25 (D) sourcing; and

- 1 (E) external market variables.
- 2 (f) TERMINATION.—The pilot program established
- 3 under this section shall terminate on September 30, 2027.

1 **SEC. 912 [Log 73356]. SPACE FORCE ORGANIZATIONAL MAT-**  
2 **TERS AND MODIFICATION OF CERTAIN**  
3 **SPACE-RELATED ACQUISITION AUTHORITIES.**

4 (a) SENSE OF CONGRESS.—It is the sense of Con-  
5 gress that—

6 (1) Congress established the Space Force to im-  
7 prove the acquisition of resilient satellite and ground  
8 system architectures, encourage personnel retention,  
9 and emphasize the need to organize, train, and equip  
10 for a potential future conflict in the space domain;

11 (2) as the Space Force continues efforts to be-  
12 come fully operational, it should remain committed  
13 to building a “lean, agile, and fast” organization, as  
14 the Chief of Space Operations, General John W.  
15 Raymond, has often stated; and

16 (3) in areas in which legislative action is need-  
17 ed, including with respect to organizational structure  
18 and personnel requirements, the Secretary of the Air  
19 Force and the Chief of Space Operations should  
20 maintain consistent communication with Congress to  
21 ensure that the founding principle behind the estab-  
22 lishment of the Space Force—to build a small orga-  
23 nization responsive to a rapidly changing domain—  
24 is upheld.

1 (b) IMPLEMENTATION DATE FOR SERVICE ACQUI-  
2 TION EXECUTIVE OF THE DEPARTMENT OF THE AIR  
3 FORCE FOR SPACE SYSTEMS AND PROGRAM.—

4 (1) IMPLEMENTATION DATE.—Section 957 of  
5 the National Defense Authorization Act for Fiscal  
6 Year 2020 (Public Law 116–92; 10 U.S.C. 9016  
7 note) is amended—

8 (A) in subsection (a), by striking “Effec-  
9 tive October 1, 2022, there shall be” and insert-  
10 ing “Effective on the date specified in sub-  
11 section (d), there shall be”;

12 (B) in subsection (b)—

13 (i) in paragraph (1), by striking “Ef-  
14 fective as of October 1, 2022,” and insert-  
15 ing “Effective as of the date specified in  
16 subsection (d)”;

17 (ii) in paragraph (2), by striking “as  
18 of October 1, 2022,” and inserting “as of  
19 the date specified in subsection (d)”;

20 (C) in subsection (c)(3), by striking “Octo-  
21 ber 1, 2022” and inserting “the date specified  
22 in subsection (d)”;

23 (D) by adding at the end the following new  
24 subsection:

1       “(d) DATE SPECIFIED.—The date specified in this  
2 subsection is a date determined by the Secretary of the  
3 Air Force that is not later than October 1, 2022.”.

4           (2) CONFORMING AMENDMENTS.—

5           (A) TRANSFER OF ACQUISITION PROJECTS  
6 FOR SPACE SYSTEMS AND PROGRAMS.—Section  
7 956(b)(3) of the National Defense Authoriza-  
8 tion Act for Fiscal Year 2020 (Public Law  
9 116–92; 10 U.S.C. 9016 note) is amended—

10           (i) by striking “Effective October 1,  
11 2022,” and inserting “Effective on the  
12 date specified in section 957(d),”; and

13           (ii) by striking “as of September 30,  
14 2022” and inserting “as of the day before  
15 the date specified in section 957(d)”.

16           (B) RESPONSIBILITIES OF ASSISTANT SEC-  
17 RETARY OF THE AIR FORCE FOR SPACE ACQUI-  
18 SITION AND INTEGRATION.—Section  
19 9016(b)(6)(B)(vi) of title 10, United States  
20 Code, is amended by striking “Effective as of  
21 October 1, 2022, in accordance with section  
22 957 of that Act,” and inserting “Effective as of  
23 the date specified in section 957(d) of such Act,  
24 and in accordance with such section 957,”.

1 (c) SENIOR PROCUREMENT EXECUTIVE AUTHORI-  
2 TIES.—

3 (1) OFFICE OF THE SECRETARY OF THE AIR  
4 FORCE.—Section 9014(c) of title 10, United States  
5 Code, is amended—

6 (A) in paragraph (2), by striking “The  
7 Secretary of the Air Force shall” and inserting  
8 “Subject to paragraph (6), the Secretary of the  
9 Air Force shall”; and

10 (B) by inserting after paragraph (5) the  
11 following new paragraph:

12 “(6) Notwithstanding section 1702 of title 41, the  
13 Secretary of the Air Force may assign to the Assistant  
14 Secretary of the Air Force for Space Acquisition and Inte-  
15 gration duties and authorities of the senior procurement  
16 executive that pertain to space systems and programs.”.

17 (2) ASSISTANT SECRETARIES OF THE AIR  
18 FORCE.—Section 9016(b)(6)(B)(vi) of title 10,  
19 United States Code, as amended by subsection  
20 (b)(2)(B) of this section, is further amended by in-  
21 serting “and discharge any senior procurement exec-  
22 utive duties and authorities assigned by the Sec-  
23 retary of the Air Force pursuant to section  
24 9014(c)(6) of this title” after “Space Systems and  
25 Programs”.



1       **Subtitle A—Financial Matters**

2       **SEC. 1001 [Log 73238]. GENERAL TRANSFER AUTHORITY.**

3       (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

4               (1) **AUTHORITY.**—Upon determination by the  
5       Secretary of Defense that such action is necessary in  
6       the national interest, the Secretary may transfer  
7       amounts of authorizations made available to the De-  
8       partment of Defense in this division for fiscal year  
9       2022 between any such authorizations for that fiscal  
10      year (or any subdivisions thereof). Amounts of au-  
11      thorizations so transferred shall be merged with and  
12      be available for the same purposes as the authoriza-  
13      tion to which transferred.

14              (2) **LIMITATION.**—Except as provided in para-  
15      graph (3), the total amount of authorizations that  
16      the Secretary may transfer under the authority of  
17      this section may not exceed \$6,500,000,000.

18              (3) **EXCEPTION FOR TRANSFERS BETWEEN**  
19      **MILITARY PERSONNEL AUTHORIZATIONS.**—A trans-  
20      fer of funds between military personnel authoriza-  
21      tions under title IV shall not be counted toward the  
22      dollar limitation in paragraph (2).

23      (b) **LIMITATIONS.**—The authority provided by sub-  
24      section (a) to transfer authorizations—

1           (1) may only be used to provide authority for  
2 items that have a higher priority than the items  
3 from which authority is transferred; and

4           (2) may not be used to provide authority for an  
5 item that has been denied authorization by Con-  
6 gress.

7       (c) EFFECT ON AUTHORIZATION AMOUNTS.—A  
8 transfer made from one account to another under the au-  
9 thority of this section shall be deemed to increase the  
10 amount authorized for the account to which the amount  
11 is transferred by an amount equal to the amount trans-  
12 ferred.

13       (d) NOTICE TO CONGRESS.—The Secretary shall  
14 promptly notify Congress of each transfer made under  
15 subsection (a).

1 **SEC. 1002 [Log 73239]. DETERMINATION OF BUDGETARY EF-**  
2 **FACTS.**

3       The budgetary effects of this Act, for the purpose of  
4 complying with the Statutory Pay-As-You-Go Act of 2010,  
5 shall be determined by reference to the latest statement  
6 titled “Budgetary Effects of PAYGO Legislation” for this  
7 Act, submitted for printing in the Congressional Record  
8 by the Chairman of the House Budget Committee, pro-  
9 vided that such statement has been submitted prior to the  
10 vote on passage.

1 **SEC. 1012 [Log 73447]. BIENNIAL REPORT ON SHIPBUILDER**  
2 **TRAINING AND THE DEFENSE INDUSTRIAL**  
3 **BASE.**

4 (a) TECHNICAL CORRECTION.—The second section  
5 8692 of title 10, United States Code, as added by section  
6 1026 of the William M. (Mac) Thornberry National De-  
7 fense Authorization Act for Fiscal Year 2021 (Public Law  
8 116–283) is redesignated as section 8693 and the table  
9 of sections at the beginning of chapter 863 of such title  
10 is conformed accordingly.

11 (b) MODIFICATION OF REPORT.—Such section is fur-  
12 ther amended—

13 (1) by striking “Not later” and inserting “(a)  
14 IN GENERAL.—Not later”;

15 (2) in subsection (a), as so redesignated, by  
16 adding at the end the following new paragraph:

17 “(7) An analysis of the potential benefits of  
18 multi-year procurement contracting for the stability  
19 of the shipbuilding defense industrial base.”; and

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

22 “(b) SOLICITATION AND ANALYSIS OF INFORMA-  
23 TION.—In order to carry out subsection (a)(2), the Sec-  
24 retary of the Navy and Secretary of Labor shall—

25 “(1) solicit information regarding the age demo-  
26 graphics and occupational experience level from the

1 private shipyards of the shipbuilding defense indus-  
2 trial base; and

3 “(2) analyze such information for findings rel-  
4 evant to carrying out subsection (a)(2), including  
5 findings related to the current and projected defense  
6 shipbuilding workforce, current and projected labor  
7 needs, and the readiness of the current and pro-  
8 jected workforce to supply the proficiencies analyzed  
9 in subsection (a)(1).”.

1       **Subtitle C—Counterterrorism**

2       **SEC. 1021 [Log 72935]. EXTENSION OF AUTHORITY FOR**  
3                   **JOINT TASK FORCES TO PROVIDE SUPPORT**  
4                   **TO LAW ENFORCEMENT AGENCIES CON-**  
5                   **DUCTING COUNTER-TERRORISM ACTIVITIES.**

6       Section 1022(b) of the National Defense Authoriza-  
7       tion Act for Fiscal Year 2004 (Public Law 108–136; 10  
8       U.S.C. 271 note) is amended by striking “2022” and in-  
9       serting “2024”.

1 **SEC. 1022 [Log 72842]. PROHIBITION ON USE OF FUNDS FOR**  
2 **TRANSFER OR RELEASE OF INDIVIDUALS DE-**  
3 **TAINED AT UNITED STATES NAVAL STATION,**  
4 **GUANTANAMO BAY, CUBA, TO CERTAIN**  
5 **COUNTRIES.**

6 No amounts authorized to be appropriated or other-  
7 wise made available for the Department of Defense may  
8 be used during the period beginning on the date of the  
9 enactment of this Act and ending on December 31, 2022,  
10 to transfer, release, or assist in the transfer or release of  
11 any individual detained in the custody or under the control  
12 of the Department of Defense at United States Naval Sta-  
13 tion, Guantanamo Bay, Cuba, to the custody or control  
14 of any country, or any entity within such country, as fol-  
15 lows:

- 16 (1) Libya.  
17 (2) Somalia.  
18 (3) Syria.  
19 (4) Yemen.

1 **SEC. 1032 [Log 73484]. PROHIBITION ON USE OF NAVY, MA-**  
2 **RINE CORPS, AND SPACE FORCE AS POSSE**  
3 **COMITATUS.**

4 (a) IN GENERAL.—Section 1385 of title 18, United  
5 States Code, is amended—

6 (1) by striking “or” after “Army” and inserting  
7 “, the Navy, the Marine Corps,”;

8 (2) by inserting “, or the Space Force” after  
9 “Air Force”; and

10 (3) in the section heading, by striking “**Army**  
11 **and Air Force**” and inserting “**Army, Navy,**  
12 **Marine Corps, Air Force, and Space**  
13 **Force**”.

14 (b) CLERICAL AMENDMENT.—The table of sections  
15 at the beginning of chapter 67 of such title is amended  
16 by striking the item relating to section 1385 and inserting  
17 the following new item:

“1385. Use of Army, Navy, Marine Corps, Air Force, and Space Force as posse  
comitatus”.



1       **Subtitle E—Studies and Reports**

2       **SEC. 1051 [Log 73416]. CONGRESSIONAL OVERSIGHT OF AL-**  
3                   **TERNATIVE       COMPENSATORY       CONTROL**  
4                   **MEASURES.**

5       Section 119a of title 10, United States Code, is  
6       amended by adding at the end the following new sub-  
7       section:

8           “(g) CONGRESSIONAL NOTIFICATION REQUIRE-  
9       MENTS.—

10           “(1) NOTICE OF INITIATION.—Not later than  
11       30 days after receiving notice of the establishment  
12       of any new program to be managed under alter-  
13       native compensatory control measures, the Under  
14       Secretary of Defense for Policy shall submit to the  
15       congressional defense committees notice of such new  
16       program. Such notice shall include—

17           “(A) the unclassified nickname assigned to  
18       the program;

19           “(B) the designation of the program spon-  
20       sor;

21           “(C) a description of the essential informa-  
22       tion to be protected under the program; and

23           “(D) the effective activation date and ex-  
24       pected duration of the program.

1           “(2) NOTICE OF TERMINATION.—Not later than  
2           30 days after receiving notice of the termination of  
3           any program managed under alternative compen-  
4           satory control measures, the Under Secretary of De-  
5           fense for Policy shall submit to the congressional de-  
6           fense committees notice of such termination.

7           “(3) ANNUAL REPORTS.—Not later than 30  
8           days after receiving an annual report on any pro-  
9           gram managed under alternative compensatory con-  
10          trol measures, the Under Secretary of Defense for  
11          Policy shall submit to the congressional defense com-  
12          mittees a copy of the report.”.

1 **SEC. 1052 [Log 73488]. COMPARATIVE TESTING REPORTS**  
2 **FOR CERTAIN AIRCRAFT.**

3 (a) MODIFICATION OF LIMITATION.—Section 134(b)  
4 of the National Defense Authorization Act for Fiscal Year  
5 2017 (Public Law 114–328; 130 Stat. 2037) is amended  
6 by striking “the report under subsection (e)(2)” and in-  
7 serting “a report that includes the information described  
8 in subsection (e)(2)(C)”.

9 (b) COMPARATIVE TESTING REPORTS REQUIRED.—

10 (1) REPORT FROM DIRECTOR OF OPERATIONAL  
11 TEST AND EVALUATION.—Not later than 45 days  
12 after the date of the enactment of this Act, the Di-  
13 rector of Operational Test and Evaluation shall sub-  
14 mit to the congressional defense committees a report  
15 that includes the information described in section  
16 134(e)(1)(B) of the National Defense Authorization  
17 Act for Fiscal Year 2017 (Public Law 114–328; 130  
18 Stat. 2038).

19 (2) REPORT FROM SECRETARY OF THE AIR  
20 FORCE.—Not later than 45 days after the date of  
21 the submission of the report under paragraph (1),  
22 the Secretary of the Air Force shall submit to the  
23 congressional defense committees a report that in-  
24 cludes the information described in section  
25 134(e)(2)(C) of the National Defense Authorization

- 1 Act for Fiscal Year 2017 (Public Law 114–328; 130
- 2 Stat. 2038).

1 **SEC. 1053 [Log 72896]. EXTENSION OF REPORTING REQUIRE-**  
2 **MENT REGARDING ENHANCEMENT OF INFOR-**  
3 **MATION SHARING AND COORDINATION OF**  
4 **MILITARY TRAINING BETWEEN DEPARTMENT**  
5 **OF HOMELAND SECURITY AND DEPARTMENT**  
6 **OF DEFENSE.**

7 Section 1014 of the National Defense Authorization  
8 Act for Fiscal Year 2017 (Public Law 114–328) is amend-  
9 ed by striking “December 31, 2022” and inserting “De-  
10 cember 31, 2023”.

1 **SEC. 1054 [Log 72867]. CONTINUATION OF CERTAIN DE-**  
2 **PARTMENT OF DEFENSE REPORTING RE-**  
3 **QUIREMENTS.**

4 Section 1061 of the National Defense Authorization  
5 Act for Fiscal Year 2017 (10 U.S.C. 111 note) is amend-  
6 ed—

7 (1) in subsection (b)(2), by adding at the end  
8 the following new subparagraphs:

9 “(E) The submission of the report required  
10 under section 14 of the Strategic and Critical  
11 Materials Stock Piling Act (50 U.S.C. 98h-5).

12 “(F) The submission of the report required  
13 under section 2504 of title 10, United States  
14 Code.”;

15 (2) in subsection (c), by striking paragraph  
16 (47); and

17 (3) in subsection (i), by striking paragraph  
18 (30).

1     **Subtitle F—District of Columbia**  
2             **National Guard Home Rule**

3     **SEC. 1071 [log73584]. SHORT TITLE.**

4             This subtitle may be cited as the “District of Colum-  
5     bia National Guard Home Rule Act”.

1 **SEC. 1072 [log73605]. EXTENSION OF NATIONAL GUARD AU-**  
2 **THORITIES TO MAYOR OF THE DISTRICT OF**  
3 **COLUMBIA.**

4 (a) **MAYOR AS COMMANDER-IN-CHIEF.**—Section 6 of  
5 the Act entitled “An Act to provide for the organization  
6 of the militia of the District of Columbia, and for other  
7 purposes”, approved March 1, 1889 (sec. 49–409, D.C.  
8 Official Code), is amended by striking “President of the  
9 United States” and inserting “Mayor of the District of  
10 Columbia”.

11 (b) **RESERVE CORPS.**—Section 72 of such Act (sec.  
12 49–407, D.C. Official Code) is amended by striking  
13 “President of the United States” each place it appears  
14 and inserting “Mayor of the District of Columbia”.

15 (c) **APPOINTMENT OF COMMISSIONED OFFICERS.**—  
16 (1) Section 7(a) of such Act (sec. 49–301(a), D.C. Official  
17 Code) is amended—

18 (A) by striking “President of the United  
19 States” and inserting “Mayor of the District of Co-  
20 lumbia”; and

21 (B) by striking “President.” and inserting  
22 “Mayor.”.

23 (2) Section 9 of such Act (sec. 49–304, D.C. Official  
24 Code) is amended by striking “President” and inserting  
25 “Mayor of the District of Columbia”.



1           (3) Section 13 of such Act (sec. 49–305, D.C. Official  
2 Code) is amended by striking “President of the United  
3 States” and inserting “Mayor of the District of Colum-  
4 bia”.

5           (4) Section 19 of such Act (sec. 49–311, D.C. Official  
6 Code) is amended—

7           (A) in subsection (a), by striking “to the Sec-  
8 retary of the Army” and all that follows through  
9 “which board” and inserting “to a board of exam-  
10 ination appointed by the Commanding General,  
11 which”; and

12           (B) in subsection (b), by striking “the Sec-  
13 retary of the Army” and all that follows through the  
14 period and inserting “the Mayor of the District of  
15 Columbia, together with any recommendations of the  
16 Commanding General.”.

17           (5) Section 20 of such Act (sec. 49–312, D.C. Official  
18 Code) is amended—

19           (A) by striking “President of the United  
20 States” each place it appears and inserting “Mayor  
21 of the District of Columbia”; and

22           (B) by striking “the President may retire” and  
23 inserting “the Mayor may retire”.

24           (d) CALL FOR DUTY.—(1) Section 45 of such Act  
25 (sec. 49–103, D.C. Official Code) is amended by striking

1 “, or for the United States Marshal” and all that follows  
2 through “shall thereupon order” and inserting “to order”.

3 (2) Section 46 of such Act (sec. 49–104, D.C. Official  
4 Code) is amended by striking “the President” and insert-  
5 ing “the Mayor of the District of Columbia”.

6 (e) GENERAL COURTS MARTIAL.—Section 51 of such  
7 Act (sec. 49–503, D.C. Official Code) is amended by strik-  
8 ing “the President of the United States” and inserting  
9 “the Mayor of the District of Columbia”.

1 **SEC. 1073 [log73606]. CONFORMING AMENDMENTS TO TITLE**  
2 **10, UNITED STATES CODE.**

3 (a) FAILURE TO SATISFACTORILY PERFORM PRE-  
4 SCRIBED TRAINING.—Section 10148(b) of title 10, United  
5 States Code, is amended by striking “the commanding  
6 general of the District of Columbia National Guard” and  
7 inserting “the Mayor of the District of Columbia”.

8 (b) APPOINTMENT OF CHIEF OF NATIONAL GUARD  
9 BUREAU.—Section 10502(a)(1) of such title is amended  
10 by striking “the commanding general of the District of  
11 Columbia National Guard” and inserting “the Mayor of  
12 the District of Columbia”.

13 (c) VICE CHIEF OF NATIONAL GUARD BUREAU.—  
14 Section 10505(a)(1)(A) of such title is amended by strik-  
15 ing “the commanding general of the District of Columbia  
16 National Guard” and inserting “the Mayor of the District  
17 of Columbia”.

18 (d) OTHER SENIOR NATIONAL GUARD BUREAU OF-  
19 FICERS.—Section 10506(a)(1) of such title is amended by  
20 striking “the commanding general of the District of Co-  
21 lumbia National Guard” both places it appears and insert-  
22 ing “the Mayor of the District of Columbia”.

23 (e) CONSENT FOR ACTIVE DUTY OR RELOCATION.—  
24 (1) Section 12301 of such title is amended—

25 (A) in subsection (b), by striking “commanding  
26 general of the District of Columbia National Guard”

1 in the second sentence and inserting “Mayor of the  
2 District of Columbia”; and

3 (B) in subsection (d), by striking the period at  
4 the end and inserting the following: “, or, in the  
5 case of the District of Columbia National Guard, the  
6 Mayor of the District of Columbia.”.

7 (2) Section 12406 of such title is amended by striking  
8 “the commanding general of the National Guard of the  
9 District of Columbia” and inserting “the Mayor of the  
10 District of Columbia”.

11 (f) CONSENT FOR RELOCATION OF UNITS.—Section  
12 18238 of such title is amended by striking “the com-  
13 manding general of the National Guard of the District of  
14 Columbia” and inserting “the Mayor of the District of Co-  
15 lumbia”.

1 **SEC. 1074 [log73607]. CONFORMING AMENDMENTS TO TITLE**  
2 **32, UNITED STATES CODE.**

3 (a) MAINTENANCE OF OTHER TROOPS.—Section  
4 109(c) of title 32, United States Code, is amended by  
5 striking “(or commanding general in the case of the Dis-  
6 trict of Columbia)”.

7 (b) DRUG INTERDICTION AND COUNTER-DRUG AC-  
8 TIVITIES.—Section 112(h)(2) of such title is amended by  
9 striking “the Commanding General of the National Guard  
10 of the District of Columbia” and inserting “the Mayor of  
11 the District of Columbia”.

12 (c) ADDITIONAL ASSISTANCE.—Section 113 of such  
13 title is amended by adding at the end the following new  
14 subsection:

15 “(e) INCLUSION OF DISTRICT OF COLUMBIA.—In  
16 this section, the term ‘State’ includes the District of Co-  
17 lumbia.”.

18 (d) APPOINTMENT OF ADJUTANT GENERAL.—Sec-  
19 tion 314 of such title is amended—

20 (1) by striking subsection (b);

21 (2) by redesignating subsections (c) and (d) as  
22 subsections (b) and (c), respectively; and

23 (3) in subsection (b) (as so redesignated), by  
24 striking “the commanding general of the District of  
25 Columbia National Guard” and inserting “the  
26 Mayor of the District of Columbia,”.

1 (e) RELIEF FROM NATIONAL GUARD DUTY.—Sec-  
2 tion 325(a)(2)(B) of such title is amended by striking  
3 “commanding general of the District of Columbia Na-  
4 tional Guard” and inserting “the Mayor of the District  
5 of Columbia”.

6 (f) AUTHORITY TO ORDER TO PERFORM ACTIVE  
7 GUARD AND RESERVE DUTY.—

8 (1) AUTHORITY.—Subsection (a) of section 328  
9 of such title is amended by striking “the com-  
10 manding general of the District of Columbia Na-  
11 tional Guard” and inserting “the Mayor of the Dis-  
12 trict of Columbia”.

13 (2) CLERICAL AMENDMENTS.—

14 (A) SECTION HEADING.—The heading of  
15 such section is amended to read as follows:

16 “§ 328. Active Guard and Reserve duty: authority of  
17 chief executive”.

18 (B) TABLE OF SECTIONS.—The table of  
19 sections at the beginning of chapter 3 of such  
20 title is amended by striking the item relating to  
21 section 328 and inserting the following new  
22 item:

“328. Active Guard and Reserve duty: authority of chief executive.”.

23 (g) PERSONNEL MATTERS.—Section 505 of such title  
24 is amended by striking “commanding general of the Na-

1 tional Guard of the District of Columbia” in the first sen-  
2 tence and inserting “Mayor of the District of Columbia”.

3 (h) NATIONAL GUARD CHALLENGE PROGRAM.—Sec-  
4 tion 509 of such title is amended—

5 (1) in subsection (c)(1), by striking “the com-  
6 manding general of the District of Columbia Na-  
7 tional Guard, under which the Governor or the com-  
8 manding general” and inserting “the Mayor of the  
9 District of Columbia, under which the Governor or  
10 the Mayor”;

11 (2) in subsection (g)(2), by striking “the com-  
12 manding general of the District of Columbia Na-  
13 tional Guard” and inserting “the Mayor of the Dis-  
14 trict of Columbia”;

15 (3) in subsection (j), by striking “the com-  
16 manding general of the District of Columbia Na-  
17 tional Guard” and inserting “the Mayor of the Dis-  
18 trict of Columbia”; and

19 (4) in subsection (k), by striking “the com-  
20 manding general of the District of Columbia Na-  
21 tional Guard” and inserting “the Mayor of the Dis-  
22 trict of Columbia”.

23 (i) ISSUANCE OF SUPPLIES.—Section 702(a) of such  
24 title is amended by striking “commanding general of the

1 National Guard of the District of Columbia” and inserting  
2 “Mayor of the District of Columbia”.

3 (j) APPOINTMENT OF FISCAL OFFICER.—Section  
4 708(a) of such title is amended by striking “commanding  
5 general of the National Guard of the District of Colum-  
6 bia” and inserting “Mayor of the District of Columbia”.



1 **SEC. 1075 [log73608]. CONFORMING AMENDMENT TO THE**  
2 **DISTRICT OF COLUMBIA HOME RULE ACT.**

3 Section 602(b) of the District of Columbia Home  
4 Rule Act (sec. 1–206.02(b), D.C. Official Code) is amend-  
5 ed by striking “the National Guard of the District of Co-  
6 lumbia,”.

## 1                   **Subtitle G—Other Matters**

### 2   **SEC. 1081 [log 73580]. TECHNICAL, CONFORMING, AND** 3                   **CLERICAL AMENDMENTS.**

4           (a) TITLE 10, UNITED STATES CODE.—Title 10,  
5 United States Code, is amended as follows:

6                   (1) The table of chapters at the beginning of  
7 part I of subtitle A is amended by striking the item  
8 relating to the second section 19 (relating to cyber  
9 matters).

10                   (2) The table of sections at the beginning of  
11 chapter 2 is amended by striking the item relating  
12 to section 118 and inserting the following new item:

“118. Materiel readiness metrics and objectives for major weapon systems.”.

13                   (3) The second section 118a, as added by sec-  
14 tion 341 of the William M. (Mac) Thornberry Na-  
15 tional Defense Authorization Act for Fiscal Year  
16 2021 (Public Law 116–283), is redesignated as sec-  
17 tion 118b, and the table of sections at the beginning  
18 of chapter 2 of such title is conformed accordingly.

19                   (4) Section 138(b)(2)(A)(i) is amended by  
20 striking the semicolon.

21                   (5) Section 196(d) is amended by striking “,”  
22 and inserting “,”.

23                   (6) Section 231a(e)(2) is amended by striking  
24 “include the following,” and inserting “include”.

1           (7) Section 240b(b)(1)(B)(xiii) is amended by  
2 striking “An” and inserting “A”.

3           (8) Section 240g(a)(3) is amended by striking  
4 “; and” and inserting “;”.

5           (9) Section 393(b)(2)(D) is amended by insert-  
6 ing a period at the end.

7           (10) Section 483(f)(3) is amended by inserting  
8 “this” before “title”.

9           (11) Section 651(a) is amended by inserting a  
10 comma after “3806(d)(1)”.

11           (12) The table of sections at the beginning of  
12 chapter 39 is amended by adding a period at the end  
13 of the item relating to section 691.

14           (13) Section 823(a)(2) (article 23(a)(2) of the  
15 Uniform Code of Military Justice) is amended by in-  
16 serting a comma after “Army”.

17           (14) Section 856(b) (article 56(b) of the Uni-  
18 form Code of Military Justice) is amended by strik-  
19 ing “subsection (d) of section 853a” and inserting  
20 “subsection (e) of section 853a”.

21           (15) Section 1044e(g) is amended by striking  
22 “number of Special Victims’ Counsel” and inserting  
23 “number of Special Victims’ Counsels”.

24           (16) The table of sections at the beginning of  
25 chapter 54 is amended by striking the item relating

1 to section 1065 and inserting the following new  
2 item:

“1065. Use of commissary stores and MWR facilities: certain veterans, care-  
givers for veterans, and Foreign Service officers.”.

3 (17) Section 1463(a)(4) is amended by striking  
4 “that that” and inserting “that”.

5 (18) Section 1465(b)(2) is amended by striking  
6 “the the” and inserting “the”.

7 (19) Section 1466(a) is amended, in the matter  
8 preceding paragraph (1), by striking “Coast guard”  
9 and inserting “Coast Guard”.

10 (20) Section 1554a(g)(2) is amended by strik-  
11 ing “..” and inserting “.”.

12 (21) Section 1599h is amended—

13 (A) in subsection (a), by redesignating the  
14 second paragraph (7) and paragraph (8) as  
15 paragraphs (8) and (9), respectively; and

16 (B) in subsection (b)(1), by redesignating  
17 the second subparagraph (G) and subparagraph  
18 (H) as subparagraphs (H) and (I), respectively.

19 (22) Section 1705(a) is amended by striking “a  
20 fund” and inserting “an account”.

21 (23) Section 1722a(a) is amended by striking  
22 “,” and inserting “,”.

23 (24) Section 1788a(e) is amended —

1 (A) in paragraph (3), by striking “section  
2 167(i)” and inserting “section 167(j”;

3 (B) in paragraph (4), by striking “covered  
4 personnel” and inserting “covered individuals”;  
5 and

6 (C) in paragraph (5), in the matter pre-  
7 ceding subparagraph (A), by striking ““covered  
8 personnel’” and inserting ““covered individ-  
9 uals’”.

10 (25) The table of chapters at the beginning of  
11 Part III of subtitle A is amended, in the item relat-  
12 ing to chapter 113, by striking the period after  
13 “2200g”.

14 (26) Section 2107(a) is amended by striking  
15 “or Space Force”.

16 (27) Section 2279b(b) is amended by redesignig-  
17 nating the second paragraph (11) as paragraph  
18 (12).

19 (28) Section 2321(f) is amended by striking  
20 “the item” both places it appears and inserting “the  
21 commercial product”.

22 (29) The second section 2350m (relating to  
23 Execution of projects under the North Atlantic  
24 Treaty Organization Security Investment Program),  
25 as added by section 2503 of the William M. (Mac)

1 Thornberry National Defense Authorization Act for  
2 Fiscal Year 2021 (Public Law 116–283) is redesign-  
3 nated as section 2350q and the table of sections at  
4 the beginning of subchapter II of chapter 138 is  
5 conformed accordingly.

6 (30) Section 2534(a) is amended—

7 (A) in paragraph (5), by striking “prin-  
8 ciple” and inserting “principal”; and

9 (B) in paragraph (3), by striking “sub-  
10 section (j)” and inserting “subsection (k)”

11 (31) Section 2891a(e)(1) is amended by strik-  
12 ing “the any” and inserting “the”.

13 (32) The table of sections at the beginning of  
14 chapter 871 is amended by striking the item relating  
15 to section 8749 and inserting the following new  
16 item:

“8749. Civil service mariners of Military Sealift Command: release of drug and  
alcohol test results to Coast Guard.”.

17 (33) The second section 9084, as added by sec-  
18 tion 1601 of the William M. (Mac) Thornberry Na-  
19 tional Defense Authorization Act for Fiscal Year  
20 2021 (Public Law 116–283), is transferred to ap-  
21 pear after section 9085 and redesignated as section  
22 9086, and the table of sections at the beginning of  
23 chapter 908 of such title is conformed accordingly.

1           (34) Section 9132 (relating to Regular Air  
2 Force and Regular Space Force: reenlistment after  
3 service as an officer) is redesignated as section  
4 9138.

5           (35) The section heading for section 9401 is  
6 amended to read as follows:

7 **“§ 9401. Members of Air Force and Space Force: de-**  
8 **tail as students, observers, and investiga-**  
9 **tors at educational institutions, indus-**  
10 **trial plants, and hospitals”.**

11           (36) The section heading for section 9402 is  
12 amended to read as follows:

13 **“§ 9402. Enlisted members of Air Force or Space**  
14 **Force: schools”.**

15           (37) Section 9840 is amended in the second  
16 sentence by striking “He” and inserting “The offi-  
17 cer”.

18           (b) NDAA FOR FISCAL YEAR 2021.—Effective as of  
19 January 1, 2021, and as if included therein as enacted,  
20 section 1 of the William M. (Mac) Thornberry National  
21 Defense Authorization Act for Fiscal Year 2021 (Public  
22 Law 116–283) is amended—

23           (1) by inserting “(a) IN GENERAL.—” before  
24 “This Act”; and

25           (2) by adding at the end the following:

1           “(b) REFERENCES.—Any reference in this or any  
2 other Act to the ‘National Defense Authorization Act for  
3 Fiscal Year 2021’ shall be deemed to be a reference to  
4 the ‘William M. (Mac) Thornberry National Defense Au-  
5 thorization Act for Fiscal Year 2021’.”.

6           (c) COORDINATION WITH OTHER AMENDMENTS  
7 MADE BY THIS ACT.—For purposes of applying amend-  
8 ments made by provisions of this Act other than this sec-  
9 tion, the amendments made by this section shall be treated  
10 as having been enacted immediately before any such  
11 amendments by other provisions of this Act.



1 **SEC. 1104. [LOG 73116] CIVILIAN PERSONNEL MANAGE-**  
2 **MENT.**

3 Section 129(a) of title 10, United States Code, is  
4 amended—

5 (1) in the first sentence, by striking “primarily”  
6 and inserting “solely”;

7 (2) in the second sentence, by striking “solely”;  
8 and

9 (3) by inserting after the second sentence the  
10 following: “Funds appropriated to the Department  
11 of Defense may not be obligated or expended for  
12 term or temporary hiring authorities for enduring  
13 functions.”.

1 **SEC. 1107. [LOG 73122] GUIDELINES FOR REDUCTIONS IN CI-**  
2 **VILIAN POSITIONS.**

3 Subsection (e) of section 1597 of title 10, United  
4 States Code, is amended—

5 (1) in the subsection heading, by striking “RE-  
6 Ductions based primarily on performance”  
7 and inserting “REDUCTIONS BASED PRIMARILY ON  
8 SENIORITY AND VETERANS PREFERENCE”; and

9 (2) by striking “primarily on the basis of per-  
10 formance, as determined under any applicable per-  
11 formance management system” and inserting “fol-  
12 lowing the order of retention prescribed in section  
13 3502 of title 5”.

1 **SEC. 1108. [LOG 73123] REPEAL OF 2-YEAR PROBATIONARY**  
2 **PERIOD.**

3 (a) REPEAL.—

4 (1) IN GENERAL.—Section 1599e of title 10,  
5 United States Code, is repealed.

6 (2) APPLICATION.—The modification of proba-  
7 tionary periods for covered employees (as that term  
8 is defined in such section 1599e as in effect on the  
9 date immediately preceding the date of enactment of  
10 this Act) by operation of the amendment made by  
11 paragraph (1) shall only apply to an individual ap-  
12 pointed as such an employee on or after such date  
13 of enactment.

14 (b) TECHNICAL AND CONFORMING AMENDMENTS.—

15 (1) TITLE 10.—The table of sections for chap-  
16 ter 81 of title 10, United States Code, is amended  
17 by striking the item relating to section 1599e.

18 (2) TITLE 5.—Title 5, United States Code, is  
19 amended—

20 (A) in section 3321(c), by striking “, or  
21 any individual covered by section 1599e of title  
22 10”;

23 (B) in section 3393(d), by striking the sec-  
24 ond sentence;

25 (C) in section 7501(1), by striking “, ex-  
26 cept as provided in section 1599e of title 10,”;

1 (D) in section 7511(a)(1)(A)(ii), by strik-  
2 ing “except as provided in section 1599e of title  
3 10,”; and

4 (E) in section 7541(1)(A), by striking “or  
5 section 1599e of title 10”.

1           **Subtitle B—Matters Relating to**  
2                   **Afghanistan and Pakistan**

3   **SEC. 1211. [LOG 72888] CLARIFICATION OF CERTAIN MAT-**  
4                   **TERS REGARDING PROTECTION OF AFGHAN**  
5                   **ALLIES.**

6           (a) **IN GENERAL.**—Section 602 of the Afghan Allies  
7 Protection Act of 2009 (8 U.S.C. 1101 note) is amend-  
8 ed—

9                   (1) in subsection (b)(2)(C)—

10                           (A) by striking “(I) **IN GENERAL.**—An  
11 alien is described in this subparagraph if the  
12 alien” and inserting the following:

13                                   “(i) **IN GENERAL.**—An alien is de-  
14 scribed in this subparagraph if the alien”;  
15 and

16                           (B) by striking “(II) **EMPLOYMENT RE-**  
17 **QUIREMENTS.**—An application” and inserting  
18 the following:

19                                   “(ii) **EMPLOYMENT REQUIREMENTS.**—  
20 An application”;

21           (2) in subsection (b)(2)(C)(i), by striking sub-  
22 clause (I), and inserting the following:

23                                   “(I) was the spouse or child of a  
24 principal alien described in subpara-  
25 graph (A) who had submitted—

1 “(aa) an application to the  
2 Chief of Mission pursuant to this  
3 section; or

4 “(bb) a petition pursuant to  
5 section 1059 of the National De-  
6 fense Authorization Act for Fis-  
7 cal Year 2006 (Public Law 109-  
8 163; 8 U.S.C. 1101 note),

9 which included the alien as an accom-  
10 panying spouse or child; and”;

11 (3) in subsection (b)(2)(C)(i)(II)—

12 (A) in item (aa), by inserting “application  
13 or” before “petition”; and

14 (B) in item (bb), by inserting “application  
15 or” before “petition”; and

16 (4) in subsection (b)(2)(C)(ii), by inserting “or  
17 petition” after “application” each place such term  
18 appears.

19 (b) SENSE OF CONGRESS.—It is the sense of Con-  
20 gress that—

21 (1) it is our solemn responsibility to honor the  
22 sacrifices made by, and the loyal service of, our  
23 many Afghan partners who faithfully served along-  
24 side our Armed Forces, our diplomats, and sup-

1 ported United States operations in Afghanistan for  
2 the last 20 years;

3 (2) the United States Government must recog-  
4 nize that commitment and seek to facilitate the safe  
5 passage to the United States for those Afghan part-  
6 ners through the Afghan Special Immigrant Visa  
7 program;

8 (3) our Afghan partners performed their serv-  
9 ices at great personal risk to themselves and their  
10 families and that these Afghans, in their service to  
11 our security as interpreters and in other capacities,  
12 furthered our military and diplomatic mission in Af-  
13 ghanistan; and

14 (4) the United States Government is grateful  
15 for the loyalty of our Afghan partners and expresses  
16 our deepest sympathies for what they have lost.

17 Congress reaffirms its commitment to continuing the work  
18 that it has done to honor these Afghans and provide for  
19 their safety through the Afghan Special Immigrant Visa  
20 program as it has since the program's inception in 2009  
21 including through the passage of legislation to extend the  
22 Afghan Special Immigrant Visa program and provide ad-  
23 ditional special immigrant visas.

1 **SEC. 1212. [LOG 72889] AFGHANISTAN SECURITY FORCES**  
2 **FUND.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—

4 (1) IN GENERAL.—Amounts are authorized to  
5 be appropriated and are authorized to remain avail-  
6 able through December 31, 2022, for the Afghani-  
7 stan Security Forces Fund for expenditure on costs  
8 associated with the termination of Operation Free-  
9 dom’s Sentinel and termination of related support to  
10 the forces of the Ministry of Defense and the Min-  
11 istry of Interior Affairs of the Government of Af-  
12 ghanistan, and may also be made available for stor-  
13 age costs for equipment and other materiel taken  
14 into DoD stock pursuant to subsection (b) of this  
15 section, contract termination, and close out costs.

16 (2) REALLOCATION OF PRIOR AMOUNTS.—  
17 Amounts authorized to be appropriated pursuant to  
18 section 1521 of the National Defense Authorization  
19 Act for Fiscal Year 2021 or any other prior Act au-  
20 thORIZING appropriations for the Afghanistan Secu-  
21 rity Forces Fund may only be made available for the  
22 purposes described in paragraph (1) and pursuant to  
23 the provisions of this section.

24 (b) EQUIPMENT DISPOSITION.—

25 (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—

26 Subject to paragraph (2), the Secretary of Defense



1       may accept equipment that was procured using  
2       amounts authorized to be appropriated for the Af-  
3       ghanistan Security Forces Fund by subsection (a) or  
4       authorized to be appropriated pursuant to prior Acts  
5       and was—

6               (A) intended for transfer to the security  
7       forces of the Ministry of Defense and the Min-  
8       istry of Interior Affairs of the Government of  
9       Afghanistan; or

10              (B) previously accepted by the Government  
11       of Afghanistan.

12              (2) TREATMENT AS DEPARTMENT OF DEFENSE  
13       STOCKS.—Equipment accepted under the authority  
14       provided under paragraph (1) may be treated as  
15       stocks of the Department of Defense upon notifica-  
16       tion to the congressional defense committees of such  
17       treatment.

18              (3) AUTHORIZATION OF APPROPRIATIONS.—  
19       Amounts authorized to be appropriated by this Act  
20       or prior Acts for the Afghanistan Security Forces  
21       Fund for the authority described in paragraph (1)  
22       may be used—

23              (A) for transportation, storage, and other  
24       costs associated with taking equipment accepted  
25       under the authority provided under paragraph

1 (1) into stocks of the Department of Defense  
2 until alternate disposition is determined; and

3 (B) to pay for the costs of disposing of  
4 such equipment if no other alternate use can be  
5 found.

6 (4) QUARTERLY REPORTS ON EQUIPMENT DIS-  
7 POSITION.—

8 (A) IN GENERAL.—Not later than 90 days  
9 after the date of the enactment of this Act and  
10 every 90 days thereafter during the period in  
11 which the authority provided under paragraph  
12 (1) is exercised, the Secretary shall submit to  
13 the congressional defense committees a report  
14 describing the equipment accepted during the  
15 period covered by such report under the fol-  
16 lowing:

17 (i) This subsection.

18 (ii) Any prior Act authorizing the ap-  
19 propriation of funds for the Afghanistan  
20 Security Forces Fund pursuant to which  
21 such equipment was accepted during such  
22 period.

23 (B) ELEMENTS.—Each report under sub-  
24 paragraph (A) shall include, with respect to the  
25 90-day period for which report is submitted and

1           cumulatively beginning with the date of the  
2           submission of the first notification described in  
3           subparagraph (A) —

4                   (i) a list of any equipment accepted  
5                   during such period and treated as stocks of  
6                   the Department of Defense;

7                   (ii) a description of the circumstances  
8                   that resulted in such equipment being  
9                   available for treatment as stocks of the De-  
10                  partment of Defense;

11                  (iii) the cost associated with the stor-  
12                  age of maintenance of any accepted equip-  
13                  ment; and

14                  (iv) the final disposition decisions or  
15                  actions for all accepted equipment.

1 **SEC. 1213. [LOG 72887] EXTENSION AND MODIFICATION OF**  
2 **AUTHORITY FOR REIMBURSEMENT OF CER-**  
3 **TAIN COALITION NATIONS FOR SUPPORT**  
4 **PROVIDED TO UNITED STATES MILITARY OP-**  
5 **ERATIONS.**

6 Section 1233 of the National Defense Authorization  
7 Act for Fiscal Year 2008 (Public Law 110–181; 122 Stat.  
8 393) is amended—

9 (1) in subsection (a), by striking “for the period  
10 beginning on October 1, 2020, and ending on De-  
11 cember 31, 2021” and inserting “for the period be-  
12 ginning on October 1, 2021, and ending on Decem-  
13 ber 31, 2022”; and

14 (2) in subsection (d)—

15 (A) by striking “during the period begin-  
16 ning on October 1, 2020, and ending on De-  
17 cember 31, 2021” and inserting “during the pe-  
18 riod beginning on October 1, 2021, and ending  
19 on December 31, 2022”; and

20 (B) by striking “\$180,000,000” and in-  
21 serting “\$60,000,000”.

1       **Subtitle C—Matters Relating to**  
2                   **Syria, Iraq, and Iran**

3       **SEC. 1221. [LOG 72873] EXTENSION AND MODIFICATION OF**  
4                   **AUTHORITY TO PROVIDE ASSISTANCE TO**  
5                   **VETTED SYRIAN GROUPS AND INDIVIDUALS.**

6           (a) **IN GENERAL.**—Subsection (a) of section 1209 of  
7 the Carl Levin and Howard P. “Buck” McKeon National  
8 Defense Authorization Act for Fiscal Year 2015 (Public  
9 Law 113–291; 128 Stat. 3451) is amended by striking  
10 “December 31, 2021” and inserting “December 31,  
11 2022”.

12          (b) **NOTICE BEFORE PROVISION OF ASSISTANCE.**—  
13 Subsection (b)(2)(A) of such section is amended by strik-  
14 ing “or fiscal year 2021” and inserting “fiscal year 2021,  
15 or fiscal year 2022”.

1 **SEC. 1222. [LOG 72874] EXTENSION AND MODIFICATION OF**  
2 **AUTHORITY TO SUPPORT OPERATIONS AND**  
3 **ACTIVITIES OF THE OFFICE OF SECURITY CO-**  
4 **OPERATION IN IRAQ.**

5 (a) **LIMITATION ON AMOUNT.**—Subsection (c) of sec-  
6 tion 1215 of the National Defense Authorization Act for  
7 Fiscal Year 2012 (10 U.S.C. 113 note) is amended—

8 (1) by striking “fiscal year 2021” and inserting  
9 “fiscal year 2022”; and

10 (2) by striking “\$25,000,000” and inserting  
11 “\$30,000,000”.

12 (b) **SOURCE OF FUNDS.**—Subsection (d) of such sec-  
13 tion is amended by striking “fiscal year 2021” and insert-  
14 ing “fiscal year 2022”.

1 **SEC. 1223. [LOG 72872] EXTENSION AND MODIFICATION OF**  
2 **AUTHORITY TO PROVIDE ASSISTANCE TO**  
3 **COUNTER THE ISLAMIC STATE OF IRAQ AND**  
4 **SYRIA.**

5 (a) IN GENERAL.—Subsection (a) of section 1236 of  
6 the Carl Levin and Howard P. “Buck” McKeon National  
7 Defense Authorization Act for Fiscal Year 2015 (Public  
8 Law 113–291; 128 Stat. 3558) is amended by striking  
9 “December 31, 2021” and inserting “December 31,  
10 2022”.

11 (b) FUNDING.—Subsection (g) of such section is  
12 amended—

13 (1) by striking “fiscal year 2021” and inserting  
14 “fiscal year 2022”; and

15 (2) by striking “\$322,500,000” and inserting  
16 “\$345,000,000”.

17 (c) LIMITATION ON AVAILABILITY OF FUNDS.—

18 (1) IN GENERAL.—Of the amounts made avail-  
19 able for fiscal year 2021 (and available for obliga-  
20 tion as of the date of the enactment of this Act) and  
21 fiscal year 2022 to carry out section 1236 of the  
22 Carl Levin and Howard P. “Buck” McKeon Na-  
23 tional Defense Authorization Act for Fiscal Year  
24 2015 (Public Law 113–291; 128 Stat. 3558), not  
25 more than 50 percent may be obligated or expended  
26 until the date on which the Secretary of Defense and

1 the Secretary of State submit to appropriate con-  
2 gressional committees a report that contains the fol-  
3 lowing:

4 (A) A comprehensive strategy and plan to  
5 train and build lasting and sustainable military  
6 capabilities of the Iraqi security forces using ex-  
7 isting authorities.

8 (B) A whole-of-government plan to engage  
9 the Government of Iraq and the Kurdistan Re-  
10 gional Government in security sector reform to  
11 professionalize, strengthen, and sustainably  
12 build the capacity of Iraq's national defense  
13 and security institutions.

14 (C) A description of the current status, ca-  
15 pabilities, and operational capacity of remaining  
16 Islamic State of Iraq and Syria elements active  
17 in Iraq and Syria.

18 (2) ADDITIONAL REPORTING REQUIREMENT.—  
19 The Secretary of Defense and Secretary of State  
20 shall submit to appropriate congressional committees  
21 a report that contains information relating to any  
22 gross violations of human rights committed by units  
23 of the Iraqi security forces.



1           (3) APPROPRIATE CONGRESSIONAL COMMIT-  
2           TEES DEFINED.—In this subsection, the term “ap-  
3           propriate congressional committees” means—

4                   (A) the congressional defense committees;  
5           and

6                   (B) the Committee on Foreign Affairs of  
7           the House of Representatives and the Com-  
8           mittee on Foreign Relations of the Senate.

1       **Subtitle D—Matters Relating to**  
2                               **Russia**

3       **SEC. 1231. [LOG 72848] EXTENSION OF LIMITATION ON**  
4                               **MILITARY COOPERATION BETWEEN THE**  
5                               **UNITED STATES AND RUSSIA.**

6               Section 1232(a) of the National Defense Authoriza-  
7       tion Act for Fiscal Year 2017 (Public Law 114–328; 130  
8       Stat. 2488), is amended by striking “2020, or 2021” and  
9       inserting “2020, 2021, or 2022”.

1 **SEC. 1232. [LOG 72849] PROHIBITION ON AVAILABILITY OF**  
2 **FUNDS RELATING TO SOVEREIGNTY OF RUS-**  
3 **SIA OVER CRIMEA.**

4 (a) PROHIBITION.—None of the funds authorized to  
5 be appropriated by this Act or otherwise made available  
6 for fiscal year 2022 for the Department of Defense may  
7 be obligated or expended to implement any activity that  
8 recognizes the sovereignty of Russia over Crimea.

9 (b) WAIVER.—The Secretary of Defense, with the  
10 concurrence of the Secretary of State, may waive the re-  
11 striction on the obligation or expenditure of funds required  
12 by subsection (a) if the Secretary of Defense—

13 (1) determines that to do so is in the national  
14 security interest of the United States; and

15 (2) submits a notification of the waiver, at the  
16 time the waiver is invoked, to the Committee on  
17 Armed Services and the Committee on Foreign Af-  
18 fairs of the House of Representatives and the Com-  
19 mittee on Armed Services and the Committee on  
20 Foreign Relations of the Senate.

1 **SEC. 1233. [LOG 72853] MODIFICATION AND EXTENSION OF**  
2 **UKRAINE SECURITY ASSISTANCE INITIATIVE.**

3 Section 1250 of the National Defense Authorization  
4 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
5 1068) is amended as follows:

6 (1) In subsection (e)—

7 (A) in paragraph (1), by striking “funds  
8 available for fiscal year 2021 pursuant to sub-  
9 section (f)(6)” and inserting “funds available  
10 for fiscal year 2022 pursuant to subsection  
11 (f)(7)”;

12 (B) in paragraph (3), by striking “fiscal  
13 year 2021” and inserting “fiscal year 2022”;  
14 and

15 (C) in paragraph (5), by striking “Of the  
16 funds available for fiscal year 2021 pursuant to  
17 subsection (f)(6), \$75,000,000 shall be avail-  
18 able” and inserting “Of the funds available for  
19 fiscal year 2022 pursuant to subsection (f)(7),  
20 \$50,000,000 shall be available”.

21 (2) In subsection (f), by adding at the end the  
22 following:

23 “(7) For fiscal year 2022, \$275,000,000.”.

24 (3) In subsection (h), by striking “December  
25 31, 2023” and inserting “December 31, 2024”.

1 **SEC. 1234. [LOG 72851] BIENNIAL REPORT ON RUSSIAN IN-**  
2 **FLUENCE OPERATIONS AND CAMPAIGNS**  
3 **TARGETING MILITARY ALLIANCES AND PART-**  
4 **NERSHIPS OF WHICH THE UNITED STATES IS**  
5 **A MEMBER.**

6 (a) REPORT REQUIRED.—Not later than April 1,  
7 2022, and on a biennial basis thereafter until April 1,  
8 2024, the Secretary of Defense and the Secretary of State,  
9 in coordination with the Director of National Intelligence  
10 and the heads of any other appropriate department or  
11 agency, shall jointly submit to the appropriate congress-  
12 sional committees a report on Russian influence oper-  
13 ations and campaigns that target United States military  
14 alliances and partnerships.

15 (b) ELEMENTS.—The report required under sub-  
16 section (a) shall include each of the following:

17 (1) An assessment of Russia's objectives for in-  
18 fluence operations and campaigns targeting United  
19 States military alliances and partnerships and how  
20 such objectives relate to Russia's broader strategic  
21 aims.

22 (2) The activities and roles of the Department  
23 of Defense and Department of State in the United  
24 States government strategy to counter such Russian  
25 influence operations and campaigns.

1           (3) A comprehensive list of specific Russian  
2 state and non-state entities, or those of any other  
3 country with which Russia may cooperate, involved  
4 in supporting such Russian influence operations and  
5 campaigns and the role of each entity in such sup-  
6 port.

7           (4) An identification of the tactics, techniques,  
8 and procedures used in previous Russian influence  
9 operations and campaigns.

10          (5) An assessment of the impact of previous  
11 Russian influence operations and campaigns tar-  
12 geting United States military alliances and partner-  
13 ships, including the views of senior Russian officials  
14 about the effectiveness of such operations and cam-  
15 paigns in achieving Russian objectives.

16          (6) An identification of each United States ally  
17 and partner, and each military alliance of which the  
18 United States is a member, that has been targeted  
19 by Russian influence operations and campaigns.

20          (7) An identification of each United States ally  
21 and partner, and each military alliance of which the  
22 United States is a member, that may be targeted in  
23 future Russian influence operations and campaigns,  
24 and an assessment of the likelihood that each such  
25 ally, partner, or alliance will be targeted.

1           (8) An identification of tactics, techniques, and  
2           procedures likely to be used in future Russian influ-  
3           ence operations and campaigns targeting United  
4           States military alliances and partnerships.

5           (9) Recommended authorities or activities for  
6           the Department of Defense and Department of State  
7           in the United States government strategy to counter  
8           such Russian influence operations and campaigns.

9           (10) Any other matters the Secretaries deter-  
10          mine appropriate.

11         (c) FORM; UPDATES.—

12           (1) FORM.—The report required under sub-  
13          section (a) shall be submitted in unclassified form  
14          and in a manner appropriate for release to the pub-  
15          lic, but may include a classified annex.

16           (2) UPDATES.—Each report submitted pursu-  
17          ant to subsection (a) after the submission of the  
18          first report shall highlight changes and new develop-  
19          ments that have occurred since the previous report  
20          and may omit to restate in full the contents of any  
21          previous report.

22         (d) DEFINITIONS.—In this section:

23           (1) APPROPRIATE CONGRESSIONAL COMMIT-  
24          TEES.—The term “appropriate congressional com-  
25          mittees” means—

1 (A) the congressional defense committees;

2 (B) the Permanent Select Committee on  
3 Intelligence of the House of Representatives  
4 and the Select Committee on Intelligence of the  
5 Senate; and

6 (C) the Committee on Foreign Affairs of  
7 the House of Representatives and the Com-  
8 mittee on Foreign Relations of the Senate.

9 (2) UNITED STATES MILITARY ALLIANCES AND  
10 PARTNERSHIPS.—The term “United States military  
11 alliances and partnerships” includes each military  
12 alliance or partnership of which the United States is  
13 a member.



1 **Subtitle E—Matters Relating to the**  
2 **Indo-Pacific Region**

3 **SEC. 1241. [LOG 73597] SENSE OF CONGRESS ON A FREE**  
4 **AND OPEN INDO-PACIFIC REGION.**

5 It is the sense of Congress that—

6 (1) the United States is steadfast in its commit-  
7 ment to upholding the rules-based international  
8 order, freedom of navigation, and shared values in a  
9 free and open Indo-Pacific region;

10 (2) maintenance of a free and open Indo-Pacific  
11 region is essential to global security and crucial to  
12 the national security objectives of the United States,  
13 its allies, and partners;

14 (3) United States alliances and partnerships are  
15 the cornerstone of efforts to deter aggression and  
16 counter malign activity by the Governments of the  
17 People’s Republic of China and the Democratic Peo-  
18 ple’s Republic of North Korea, and to ensure the  
19 maintenance of a free and open Indo-Pacific region;

20 (4) the United States remains steadfast in its  
21 commitments to allies and partners against aggres-  
22 sion and malign activity, and will continue to  
23 strengthen cooperation in bilateral relationships,  
24 multilateral partnerships such as the Quad, and

1 other international fora to uphold global security  
2 and shared principles; and  
3 (5) the United States should continue to invest  
4 in enhanced military posture and capabilities in the  
5 United States Indo-Pacific Command area of re-  
6 sponsibility.

1 **SEC. 1242. [LOG 72859] SENSE OF CONGRESS ON TAIWAN**  
2 **DEFENSE RELATIONS.**

3 It is the sense of Congress that—

4 (1) the Taiwan Relations Act (Public Law 96–  
5 8; 22 U.S.C. 3301 et seq.) and the Six Assurances  
6 provided by the United States to Taiwan in July  
7 1982 are the foundation for United States-Taiwan  
8 relations;

9 (2) as set forth in the Taiwan Relations Act,  
10 the United States decision to establish diplomatic re-  
11 lations with the People’s Republic of China rests  
12 upon the expectation that the future of Taiwan will  
13 be determined by peaceful means, and that any ef-  
14 fort to determine the future of Taiwan by other than  
15 peaceful means, including boycotts and embargoes,  
16 is of grave concern to the United States;

17 (3) the increasingly coercive and aggressive be-  
18 havior of the People’s Republic of China toward Tai-  
19 wan is contrary to the expectation of the peaceful  
20 resolution of the future of Taiwan;

21 (4) as set forth in the Taiwan Relations Act,  
22 the capacity to resist any resort to force or other  
23 forms of coercion that would jeopardize the security,  
24 or the social or economic system, of the people on  
25 Taiwan should be maintained;

1           (5) the United States should continue to sup-  
2           port the development of capable, ready, and modern  
3           defense forces necessary for Taiwan to maintain a  
4           sufficient self-defense capability, including by—

5                   (A) supporting acquisition by Taiwan of  
6                   defense articles and services through foreign  
7                   military sales, direct commercial sales, and in-  
8                   dustrial cooperation, with an emphasis on capa-  
9                   bilities that support the asymmetric defense  
10                  strategy of Taiwan, including anti-ship, coastal  
11                  defense, anti-armor, air defense, undersea war-  
12                  fare, advanced command, control, communica-  
13                  tions, computers, intelligence, surveillance, and  
14                  reconnaissance, and resilient command and con-  
15                  trol capabilities;

16                   (B) ensuring timely review of and response  
17                  to requests of Taiwan for defense articles and  
18                  services;

19                   (C) conducting practical training and mili-  
20                  tary exercises with Taiwan that enable Taiwan  
21                  to maintain a sufficient self- defense capability,  
22                  as described in the Taiwan Relations Act;

23                   (D) exchanges between defense officials  
24                  and officers of the United States and Taiwan at  
25                  the strategic, policy, and functional levels, con-

1           sistent with the Taiwan Travel Act (Public Law  
2           115–135; 132 Stat. 341), especially for the pur-  
3           poses of—

4                   (i) enhancing cooperation on defense  
5                   planning;

6                   (ii) improving the interoperability of  
7                   the military forces of the United States  
8                   and Taiwan; and

9                   (iii) improving the reserve force of  
10                  Taiwan;

11                  (E) identifying improvements in Taiwan’s  
12                  ability to use asymmetric military capabilities to  
13                  enhance its defensive capabilities, as described  
14                  in the Taiwan Relations Act; and

15                  (F) expanding cooperation in humanitarian  
16                  assistance and disaster relief; and

17                  (6) the United States should be committed to  
18                  the defense of a free and open society in the face of  
19                  aggressive efforts by the Government of the People’s  
20                  Republic of China to curtail or influence the free ex-  
21                  ercise of rights and democratic franchise.

1 **SEC. 1243. [LOG 72856] REPORT ON MILITARY AND SECU-**  
2 **RITY DEVELOPMENTS INVOLVING THE PEO-**  
3 **PLE'S REPUBLIC OF CHINA.**

4 (a) IN GENERAL.—Not later than January 31, 2022,  
5 and annually thereafter until January 31, 2026, the Sec-  
6 retary of Defense, in consultation with the heads of other  
7 Federal departments and agencies as appropriate, shall  
8 submit to the appropriate congressional committees a re-  
9 port, in both classified and unclassified form, on military  
10 and security developments involving the People's Republic  
11 of China.

12 (b) MATTERS TO BE ADDRESSED.—The report re-  
13 quired by subsection (a) shall address the following:

14 (1) The current and probable future course of  
15 military-technological development of the People's  
16 Liberation Army and the tenets and probable devel-  
17 opment of Chinese security strategy and military  
18 strategy, and of military organizations and oper-  
19 ational concepts, through the next 20 years.

20 (2) United States-China engagement and co-  
21 operation on security matters during the period cov-  
22 ered by the report, including through United States-  
23 China military-to-military contacts, and the United  
24 States strategy for such engagement and cooperation  
25 in the future.

1 (c) MATTERS TO BE INCLUDED.—The report re-  
2 quired by subsection (a) shall include analyses and fore-  
3 casts of the following:

4 (1) The objectives, factors, and trends shaping  
5 Chinese security strategy and military strategy.

6 (2) Developments in China’s defense policy,  
7 military strategy, and the roles and missions of the  
8 People’s Liberation Army.

9 (3) The People’s Liberation Army’s role in the  
10 Chinese Communist Party, including the structure  
11 and leadership of the Central Military Commission.

12 (4) Developments in the People’s Liberation  
13 Army’s military doctrine, operational concepts, joint  
14 command and organizational structures, and signifi-  
15 cant military operations and deployments.

16 (5) Trends and developments in the People’s  
17 Liberation Army’s budget and resources and strate-  
18 gies and policies related to science and technology,  
19 defense industry reform, and China’s use of espio-  
20 nage and technology transfers.

21 (6) Developments and future course of the Peo-  
22 ple’s Liberation Army’s theater and functional com-  
23 mands, including their roles and missions, structure,  
24 and the size, location, and capabilities of their stra-

1       tegie, land, sea, air, and other forces, and the  
2       strengths or weaknesses thereof.

3               (7) A detailed summary of the order of battle  
4       of the People's Liberation Army, including—

5               (A) anti-access and area denial capabili-  
6       ties;

7               (B) ballistic and cruise missile inventories;

8               (C) cyberwarfare and electronic warfare  
9       capabilities;

10              (D) space and counter space programs and  
11       capabilities;

12              (E) nuclear program and capabilities; and

13              (F) command, control, communications,  
14       computers, intelligence, surveillance, and recon-  
15       naissance modernization program and capabili-  
16       ties.

17              (8) Developments relating to the China Coast  
18       Guard.

19              (9) Developments in the People's Liberation  
20       Army's overseas presence, including military basing,  
21       military logistics capabilities and infrastructure, ac-  
22       cess to foreign ports or military bases, and whether  
23       such presence could affect United States national se-  
24       curity or defense interests.



1           (10) The relationship between Chinese overseas  
2 investment and Chinese security and military strat-  
3 egy objectives.

4           (11) A description of any significant sale or  
5 transfer of military hardware, expertise, and tech-  
6 nology to or from the People's Republic of China, in-  
7 cluding a forecast of possible future sales and trans-  
8 fers.

9           (12) Efforts, including by espionage and tech-  
10 nology transfers through investment, by China to de-  
11 velop, acquire, or gain access to advanced tech-  
12 nologies that would enhance military capabilities.

13           (13) The People's Liberation Army's internal  
14 security role and its affiliations with the People's  
15 Armed Police and other Chinese law enforcement,  
16 intelligence, and paramilitary entities, including any  
17 activities supporting or implementing mass surveil-  
18 lance, mass detentions, forced labor, or other gross  
19 violations of human rights.

20           (14) A description of Chinese military-to-mili-  
21 tary relationships with other countries, including the  
22 Russian Federation.

23           (15) China's strategy regarding Taiwan and the  
24 security situation in the Taiwan Strait.

1           (16) A description of China’s maritime strat-  
2           egy, its military and nonmilitary activities in the  
3           South China Sea and East China Sea, to include  
4           roles and activities of the People’s Liberation Army  
5           and China’s maritime law enforcement and para-  
6           military organizations.

7           (17) The current state of United States mili-  
8           tary-to-military contacts with the People’s Libera-  
9           tion Army, including a summary of such contacts  
10          during the period covered by the report, a descrip-  
11          tion of such contacts for the 12-month period fol-  
12          lowing the report, the Secretary’s assessment of the  
13          benefits of such contacts, and the Secretary’s certifi-  
14          cation whether or not any military-to-military ex-  
15          change or contact was conducted during the period  
16          covered by the report in violation of section 1201(a)  
17          of the National Defense Authorization Act for Fiscal  
18          Year 2000 (10 U.S.C. 311 note).

19          (18) Other significant military and security de-  
20          velopments involving China that the Secretary of  
21          Defense considers relevant to United States national  
22          security.

23          (d) APPROPRIATE CONGRESSIONAL COMMITTEES.—  
24          In this section, the term “appropriate congressional com-  
25          mittees” means—

1           (1) the Committee on Armed Services, the  
2           Committee on Foreign Relations, and the Select  
3           Committee on Intelligence of the Senate; and

4           (2) the Committee on Armed Services, the  
5           Committee on Foreign Affairs, and the Permanent  
6           Select Committee on Intelligence of the House of  
7           Representatives.

1 **SEC. 1244. [LOG 72854] BIENNIAL REPORT ON INFLUENCE**  
2 **OPERATIONS AND CAMPAIGNS OF THE GOV-**  
3 **ERNMENT OF THE PEOPLE'S REPUBLIC OF**  
4 **CHINA TARGETING MILITARY ALLIANCES**  
5 **AND PARTNERSHIPS OF WHICH THE UNITED**  
6 **STATES IS A MEMBER.**

7 (a) IN GENERAL.—Not later than April 1, 2022, and  
8 on a biennial basis thereafter until April 1, 2024, the Sec-  
9 retary of Defense and the Secretary of State, in coordina-  
10 tion with the Director of National Intelligence and the  
11 heads of other Federal departments and agencies as ap-  
12 propriate, shall submit to the appropriate congressional  
13 committees a report on the influence operations and cam-  
14 paigns of the Government of the People's Republic of  
15 China (PRC) targeting military alliances and partnerships  
16 of which the United States is a member.

17 (b) MATTERS TO BE INCLUDED.—The report re-  
18 quired by subsection (a) shall include the following:

19 (1) An assessment of the PRC Government's  
20 objectives in such operations and campaigns and  
21 how such objectives relate to the PRC Government's  
22 broader strategic aims.

23 (2) The activities and roles of the Department  
24 of Defense and Department of State in the United  
25 States Government strategy to counter such influ-

1       ence operations and campaigns of the PRC Govern-  
2       ment.

3           (3) A comprehensive list of specific PRC state  
4       and non-state entities, or any other states with  
5       which the PRC may cooperate, involved in sup-  
6       porting such operations and campaigns and the role  
7       of each such entity in supporting such operations  
8       and campaigns.

9           (4) An identification of the tactics, techniques,  
10      and procedures used in previous influence operations  
11      and campaigns of the PRC Government.

12          (5) An assessment of the impact of previous in-  
13      fluence operations and campaigns of the PRC Gov-  
14      ernment, including the views of senior PRC Govern-  
15      ment officials about their effectiveness in achieving  
16      PRC Government objectives.

17          (6) An identification of all United States mili-  
18      tary alliances and partnerships that have been tar-  
19      geted by influence operations and campaigns of the  
20      PRC Government.

21          (7) An identification of all United States mili-  
22      tary alliances and partnerships that may be targeted  
23      in future influence operations and campaigns of the  
24      PRC Government and an assessment of the likeli-

1 hood that each such partnership or alliance will be  
2 targeted.

3 (8) An identification of tactics, techniques, and  
4 procedures likely to be used in future influence oper-  
5 ations and campaigns of the PRC Government.

6 (9) Recommended authorities or activities for  
7 the Department of Defense and Department of State  
8 in the United States Government strategy to counter  
9 such influence operations and campaigns of the PRC  
10 Government.

11 (10) Any other matters the Secretaries deter-  
12 mine to be appropriate.

13 (c) FORM.—The report required by subsection (a)  
14 shall be submitted in unclassified form and appropriate  
15 for release to the public, but may include a classified  
16 annex.

17 (d) APPROPRIATE CONGRESSIONAL COMMITTEES  
18 DEFINED.—In this section, the term “appropriate con-  
19 gressional committees” means—

20 (1) the congressional defense committees;

21 (2) the Committee on Foreign Relations and  
22 the Select Committee on Intelligence of the Senate;  
23 and

1           (3) the Committee on Foreign Affairs and the  
2           Permanent Select Committee on Intelligence of the  
3           House of Representatives.

1 **SEC. 1245. [LOG 73339] REPORT ON EFFORTS BY THE PEO-**  
2 **PLE'S REPUBLIC OF CHINA TO EXPAND ITS**  
3 **PRESENCE AND INFLUENCE IN LATIN AMER-**  
4 **ICA AND THE CARIBBEAN.**

5 (a) REPORT.—Not later than June 15, 2022, the  
6 Secretary of Defense, with the concurrence of the Sec-  
7 retary of State and in coordination with the Secretary of  
8 the Treasury and the Director of National Intelligence,  
9 shall submit to the appropriate congressional committees  
10 a report that identifies efforts by the Government of the  
11 People's Republic of China to expand its presence and in-  
12 fluence in Latin America and the Caribbean through dip-  
13 lomatic, military, economic, and other means, and de-  
14 scribes the implications of such efforts on the United  
15 States' national defense and security interests.

16 (b) ELEMENTS.—The report required under sub-  
17 section (a) shall include the following:

18 (1) An identification of—

19 (A) countries of Latin America and the  
20 Caribbean with which the Government of the  
21 People's Republic of China maintains especially  
22 close diplomatic, military, and economic rela-  
23 tionships;

24 (B) the number and content of strategic  
25 partnership agreements or similar agreements,  
26 including any non-public, secret, or informal



1 agreements, that the Government of the Peo-  
2 ple's Republic of China has established with  
3 countries and regional organizations of Latin  
4 America and the Caribbean;

5 (C) countries of Latin America and the  
6 Caribbean that have joined the Belt and Road  
7 Initiative or the Asian Infrastructure Invest-  
8 ment Bank;

9 (D) countries of Latin America and the  
10 Caribbean to which the Government of the Peo-  
11 ple's Republic of China provides foreign assist-  
12 ance or disaster relief, including access to  
13 COVID-19 vaccines, including a description of  
14 the amount and purpose of, and any conditions  
15 attached to, such assistance;

16 (E) countries and regional organizations of  
17 Latin America and the Caribbean in which the  
18 Government of the People's Republic of China,  
19 including its state-owned or state-directed en-  
20 terprises and banks, have undertaken signifi-  
21 cant investments, infrastructure projects, and  
22 correspondent banking and lending activities at  
23 the regional, national, and subnational levels;

24 (F) recent visits by senior officials of the  
25 Government of the People's Republic of China,

1 including its state-owned or state-directed en-  
2 terprises and banks, to Latin America and the  
3 Caribbean, and visits by senior officials from  
4 Latin America and the Caribbean to the Peo-  
5 ple's Republic of China;

6 (G) the existence of any defense exchanges,  
7 military or police education or training, and ex-  
8 ercises between any military or police organiza-  
9 tion of the Government of the People's Republic  
10 of China and military, police, or security-ori-  
11 ented organizations of countries of Latin Amer-  
12 ica and the Caribbean;

13 (H) countries and regional organizations of  
14 Latin America and the Caribbean that maintain  
15 diplomatic relations with Taiwan;

16 (I) any steps that the Government of the  
17 People's Republic of China has taken to encour-  
18 age countries and regional organizations of  
19 Latin America and the Caribbean to switch dip-  
20 lomatic relations to the People's Republic of  
21 China instead of Taiwan; and

22 (J) any other matters the Secretary of De-  
23 fense and the Secretary of State determine is  
24 appropriate.

25 (2) A detailed description of—

1 (A) the relationship between the Govern-  
2 ment of the People's Republic of China and the  
3 Government of Venezuela and the Government  
4 of Cuba;

5 (B) Government of the People's Republic  
6 of China military installations, assets, and ac-  
7 tivities in Latin America and the Caribbean  
8 that currently exist or are planned for the fu-  
9 ture;

10 (C) sales or transfers of defense articles  
11 and services by the Government of the People's  
12 Republic of China to countries of Latin Amer-  
13 ica and the Caribbean;

14 (D) a comparison of sales and transfers of  
15 defense articles and services to countries of  
16 Latin America and the Caribbean by the Gov-  
17 ernment of the People's Republic of China, the  
18 Russian Federation, and the United States;

19 (E) any other form of military, para-  
20 military, or security cooperation between the  
21 Government of the People's Republic of China  
22 and the governments of countries of Latin  
23 America and the Caribbean;

24 (F) the nature, extent, and purpose of the  
25 Government of the People's Republic of China's

1 intelligence activities in Latin America and the  
2 Caribbean;

3 (G) the Government of the People's Re-  
4 public of China's role in transnational crime in  
5 Latin America and the Caribbean, including  
6 trafficking and money laundering and including  
7 any links to the People's Liberation Army;

8 (H) efforts by the Government of the Peo-  
9 ple's Republic of China to expand the reach and  
10 influence of its financial system within Latin  
11 America and the Caribbean, through banking  
12 activities and payments systems and through  
13 goods and services related to the use of the dig-  
14 ital yuan; and

15 (I) efforts by the Government of the Peo-  
16 ple's Republic of China to build its media pres-  
17 ence in Latin America and the Caribbean, and  
18 any government-directed disinformation or in-  
19 formation warfare campaigns in the region, in-  
20 cluding for military purposes or with ties to the  
21 People's Liberation Army.

22 (3) An assessment of—

23 (A) the specific objectives that the Govern-  
24 ment of the People's Republic of China seeks to  
25 achieve by expanding its presence and influence

1 in Latin America and the Caribbean, including  
2 any objectives articulated in official documents  
3 or statements;

4 (B) whether certain investments by the  
5 Government of the People's Republic of China,  
6 including in port projects, canal projects, and  
7 telecommunications projects in Latin America  
8 and the Caribbean, could have military uses or  
9 dual use capability or could enable the Govern-  
10 ment of the People's Republic of China to mon-  
11 itor or intercept United States or host nation  
12 communications;

13 (C) the degree to which the Government of  
14 the People's Republic of China uses its presence  
15 and influence in Latin America and the Carib-  
16 bean to encourage, pressure, or coerce govern-  
17 ments in the region to support its defense and  
18 national security goals, including policy posi-  
19 tions taken by it at international institutions;

20 (D) documented instances of governments  
21 of countries of Latin America and the Carib-  
22 bean silencing, or attempting to silence, local  
23 critics of the Government of the People's Re-  
24 public of China, including journalists, aca-  
25 demics, and civil society representatives, in

1 order to placate the Government of the People's  
2 Republic of China;

3 (E) the rationale for the Government of  
4 the People's Republic of China becoming an ob-  
5 server at the Organization of American States  
6 and a non-borrowing member of the Inter-  
7 American Development Bank and the Carib-  
8 bean Development Bank;

9 (F) the relationship between the Govern-  
10 ment of the People's Republic of China and the  
11 Community of Latin American and Caribbean  
12 States (CELAC), a regional organization that  
13 excludes the United States, and the role of the  
14 China-CELAC Forum in coordinating such re-  
15 lationship; and

16 (G) the specific actions and activities un-  
17 dertaken by the Government of the People's Re-  
18 public of China in Latin America and the Car-  
19ibbean that present the greatest threat or chal-  
20 lenge to the United States' defense and national  
21 security interests in the region.

22 (c) FORM.—The report required under subsection (a)  
23 shall be submitted in unclassified form without any des-  
24 ignation relating to dissemination control, but may include  
25 a classified annex.

1 (d) DEFINITIONS.—In this Act:

2 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
3 TEES.—The term “appropriate congressional com-  
4 mittees” means—

5 (A) the Committee on Armed Services, the  
6 Committee on Foreign Affairs, the Committee  
7 on Financial Services, the Committee on the  
8 Judiciary, and the Permanent Select Committee  
9 on Intelligence of the House of Representatives;  
10 and

11 (B) the Committee on Armed Services, the  
12 Committee on Foreign Relations, the Com-  
13 mittee on Banking, Housing, and Urban Af-  
14 fairs, the Committee on the Judiciary, and the  
15 Select Committee on Intelligence of the Senate.

16 (2) LATIN AMERICA AND THE CARIBBEAN.—  
17 The terms “Latin America and the Caribbean” and  
18 “countries of Latin America and the Caribbean”  
19 mean the countries and non-United States territories  
20 of South America, Central America, the Caribbean,  
21 and Mexico.



1       **Subtitle A—Matters Relating to**  
2                   **Europe and NATO**

3   **SEC. 1301. [LOG 72582] SENSE OF CONGRESS ON UNITED**  
4                   **STATES DEFENSE POSTURE IN EUROPE.**

5       It is the sense of Congress as follows:

6           (1) The United States is steadfastly committed  
7       to upholding and strengthening its defense alliances  
8       and partnerships in the European theater. The  
9       North Atlantic Treaty Organization (NATO) alli-  
10      ance is the bedrock of these relationships, which are  
11      central to deterring Russian aggression, upholding  
12      territorial integrity and sovereignty in Europe, coun-  
13      tering malign efforts to undermine the rules-based  
14      international order and disrupt shared values, fos-  
15      tering international cooperation against collective  
16      challenges, and advancing shared national security  
17      objectives worldwide.

18          (2) United States allies in Europe have made  
19      substantial strides on responsibility-sharing and de-  
20      fense investment since the Wales Declaration in  
21      2014 and should be commended for their ongoing ef-  
22      forts to increase complementary investments in  
23      NATO deterrence capacity. These efforts have pro-  
24      vided an accumulated increase of more than  
25      \$130,000,000,000 in foreign investments between



1       2016 and 2020 to strengthen trans-Atlantic secu-  
2       rity, and it is essential that the United States con-  
3       tinue to press NATO allies to achieve their Wales  
4       Summit pledges and continue to make progress on  
5       greater complementary defense investments.

6               (3) The behavior of the Russian Government  
7       has not improved and has, in many aspects, become  
8       increasingly belligerent since the invasion of Ukraine  
9       in 2014, with respect to—

10               (A) military efforts to disrupt the terri-  
11       torial integrity of sovereign countries in Eu-  
12       rope;

13               (B) threats against the United States,  
14       NATO, and other United States partners;

15               (C) intervention in allied democratic proc-  
16       esses;

17               (D) efforts to disrupt United States alli-  
18       ances, partnerships, and values;

19               (E) acts such as assassination and the use  
20       of chemical weapons on the territory of other  
21       sovereign countries; and

22               (F) other high-risk, disruptive efforts.

23               (4) Continued commitment to enhancing the  
24       United States and allied force posture in Europe is  
25       indispensable for efforts to establish and sustain a

1 credible deterrent against Russian aggression and  
2 long-term strategic competition by the Russian gov-  
3 ernment. The Secretary of Defense must continue  
4 to—

5 (A) support the European Deterrence Ini-  
6 tiative and other investments in a strengthened  
7 United States and allied force posture in Eu-  
8 rope;

9 (B) support rotational deployments and ro-  
10 bust exercises in the European theater;

11 (C) complete efforts to establish  
12 prepositioned stocks and effective staging infra-  
13 structure to maintain credible deterrence  
14 against Russian threats;

15 (D) invest effectively in multi-service,  
16 cyber, information, and air defense efforts to  
17 counter modern military challenges, enhance  
18 the survivability and flexibility of the United  
19 States force posture, logistics, and planning;  
20 and

21 (E) consider whether additional forward-  
22 positioned forces in Europe would reduce cost  
23 and strain, enhance credibility, and strengthen  
24 capabilities.

1 **SEC. 1302. [LOG 73399] SENSE OF CONGRESS ON SECURITY**  
2 **ASSISTANCE TO THE BALTIC COUNTRIES.**

3 (a) FINDINGS.—Congress finds the following:

4 (1) The United States has cumulatively allo-  
5 cated over \$498,965,000 in Department of Defense  
6 partner capacity funding for the Baltic countries  
7 since fiscal year 2018, including over \$219,000,000  
8 for the Baltic security efforts known as the “Baltic  
9 Security Initiative”, executed using sections 332 and  
10 333 of title 10, United States Code, including assist-  
11 ance with respect to air defense, maritime situa-  
12 tional awareness, ammunition, C4ISR, anti-tank ca-  
13 pability, special forces, and other defense capabili-  
14 ties.

15 (2) The Secretary of Defense has completed the  
16 comprehensive Baltic Defense Assessment required  
17 by section 1246 of the National Defense Authoriza-  
18 tion Act for Fiscal Year 2020 and has recommended  
19 continued robust, comprehensive investment Baltic  
20 security efforts in accordance with that assessment,  
21 with assistance executed using such sections 332  
22 and 333.

23 (3) The Secretary of Defense has assessed that  
24 the authority granted by such sections 332 and 333  
25 affords the most efficient and effective authority to  
26 provide this assistance to the Baltic countries, and

1       that attempting to provide the assistance pursuant  
2       to alternate authorities would hamper the Depart-  
3       ment's ability to deliver assistance and implement  
4       the investment program established by the Baltic  
5       Defense Assessment.

6       (b) SENSE OF CONGRESS.—Congress strongly sup-  
7       ports the robust assistance to accomplish United States  
8       strategic objectives in accordance with sections 332 and  
9       333 of title 10, United States Code, including by providing  
10      assistance to the Baltic countries using those sections,  
11      funded by the Baltic Security Initiative. It is the sense  
12      of Congress that the security of the Baltic region is crucial  
13      to the security of the NATO alliance and these efforts are  
14      critical to ensure continued deterrence against Russian ag-  
15      gression and bolster allied security.

1 **SEC. 1303. [LOG 73440] REPORT ON THE STATE OF UNITED**  
2 **STATES MILITARY INVESTMENT IN EUROPE**  
3 **INCLUDING THE EUROPEAN DETERRENCE**  
4 **INITIATIVE.**

5 Not later than February 25, 2022, the Secretary of  
6 Defense, in coordination with the Commander of United  
7 States European Command, shall submit to the congres-  
8 sional defense committees a report assessing the current  
9 state of United States defense investment in Europe, in-  
10 cluding the European Deterrence Initiative. The report  
11 shall include the following elements:

12 (1) An assessment of the current progress made  
13 by the Department of Defense toward achieving the  
14 goals of the European Deterrence Initiative over its  
15 lifetime and a description of the major changes in  
16 focus, resourcing, and emphasis that have occurred  
17 over that lifetime.

18 (2) An assessment of the current state of  
19 United States defense posture in Europe, including  
20 a comprehensive assessment of the state of military  
21 mobility and the current ability of the United States  
22 to rapidly manifest and transit forces to Europe's  
23 eastern front in a crisis with a contested logistics en-  
24 vironment, and the corresponding levels and  
25 timelines with respect to such ability.

1           (3) An assessment of United States defense lo-  
2           gistics gaps or risks such as bridging equipment and  
3           rail gauge mitigations that would be exacerbated in  
4           a contingency.

5           (4) An assessment of the current state of  
6           United States prepositioned stocks in Europe, in-  
7           cluding the current timeline for their completion  
8           under the European Deterrence Initiative.

9           (5) An assessment of the current state of  
10          United States munitions in Europe, including their  
11          current levels, the adequacy of those levels for  
12          United States needs in a European contingency, and  
13          a description of the Department's plan to bring  
14          those munitions stocks to adequate levels.

15          (6) An assessment of the current state of fuel  
16          availability and supporting infrastructure in Europe  
17          and the adequacy of those supplies for United States  
18          needs in a European contingency.

19          (7) A description of the manner and extent to  
20          which United States military investment planning in  
21          the European theater incorporates assessments of  
22          relevant regulatory policies in the European theater  
23          relating to installation energy and the planning and  
24          design of military construction projects at these in-  
25          stallations.

1           (8) An assessment of the current state of  
2           United States anti-submarine warfare assets, organi-  
3           zation, and resources in the European Command  
4           and Second Fleet areas of responsibility, including—

5                   (A) their sufficiency to counter Russian  
6                   submarine threats; and

7                   (B) the sufficiency of United States sono-  
8                   buoy stocks, anti-submarine warfare platforms,  
9                   and undersea sensing equipment.

10          (9) An assessment of the current state of the  
11          United States naval presence in the European Com-  
12          mand area of responsibility and its ability to respond  
13          to challenges in the Black Sea, Mediterranean, and  
14          Arctic, including a description of any future plans  
15          regarding increased naval force structure forward  
16          stationed in Europe by 2025.

17          (10) An assessment of the current state of  
18          United States Air Force operational planning and  
19          resourcing in the European theater, including the  
20          current state of prepositioned Air Force equipment,  
21          activities, and relevant infrastructure.

22          (11) An assessment of the current state of  
23          United States defense information warfare capabili-  
24          ties in the European Command area of responsibility

1 and any defense resources required or defense poli-  
2 cies needed to strengthen these efforts.

3 (12) An assessment of the current state of  
4 United States military capabilities for countering  
5 Russian aggression and hybrid warfare in the Euro-  
6 pean theater, including cyber capabilities.

7 (13) An assessment of the current state of  
8 United States military electromagnetic warfare capa-  
9 bilities in the European theater.

10 (14) An assessment of the current state of  
11 United States military sea- and airlift capabilities to  
12 support contingency operations in the European the-  
13 ater.

14 (15) An assessment of all purchases, invest-  
15 ments, and expenditures made by any Armed Force  
16 under the jurisdiction of the Secretary of a military  
17 department and funded by the European Deterrence  
18 Initiative, since its inception, that have been diverted  
19 for purposes or uses other than the objectives of the  
20 European Deterrence Initiative, including a list of  
21 all purchases, investments, and expenditures that  
22 have been funded under the European Deterrence  
23 Initiative since its inception that were not ultimately  
24 employed for the purposes of the initiative and their  
25 respective dollar values.



1           (16) An assessment of the current state of Eu-  
2           ropean Deterrence Initiative military construction ef-  
3           forts in Europe.

4           (17) An analysis of the impact that deferred  
5           military construction efforts authorized under sec-  
6           tion 2808 of title 10, United States Code, have had  
7           on the European Deterrence Initiative, including—

8                   (A) impacts on timelines to establish a de-  
9                   terrence platform in Europe;

10                   (B) implications for deterrence capabilities  
11                   in Europe; and

12                   (C) a description of the Department of De-  
13                   fense's plan to address these impacts including  
14                   its intended final disposition for the impacted  
15                   military construction projects.

16           (18) A description of the current status of the  
17           European Infrastructure Consolidation program, in-  
18           cluding a list of all divestments completed under the  
19           program after January 1, 2016, and all currently  
20           contemplated divestments under the program.

21           (19) Any other information that the Secretary  
22           of Defense determines relevant.

1     **Subtitle B—Security Cooperation**  
2                     **and Assistance**

3     **SEC. 1311. [LOG 72893] EXTENSION OF AUTHORITY FOR**  
4                     **CERTAIN PAYMENTS TO REDRESS INJURY**  
5                     **AND LOSS.**

6             Section 1213(a) of the National Defense Authoriza-  
7     tion Act for Fiscal Year 2020 (10 U.S.C. 2731 note) is  
8     amended by striking “December 31, 2022” and inserting  
9     “December 31, 2023”.

1 **SEC. 1312. [LOG72881] FOREIGN AREA OFFICER ASSESS-**  
2 **MENT AND REVIEW.**

3 (a) FINDINGS.—Congress finds the following:

4 (1) Foreign Area Officers of the Army and  
5 their equivalent positions in the other Armed Forces  
6 (in this section referred to as “FAOs”) are trained  
7 to manage, grow, and enhance security cooperation  
8 relationships between the United States and foreign  
9 partners and to build the overall military capacity  
10 and capabilities of foreign partners.

11 (2) At present, some senior defense official po-  
12 sitions in United States embassies are filled by offi-  
13 cers lacking the necessary skills, training, and expe-  
14 rience to strengthen the relationships between the  
15 United States and its critical partners and allies.

16 (3) FAOs are trained to fill those positions, and  
17 deficiencies in the equitable use, assessment, pro-  
18 motion, diversity and inclusion of such officers, as  
19 well as limitations on career opportunities, under-  
20 mine the ability of the Department of Defense to  
21 strengthen partnerships and alliances of the United  
22 States.

23 (4) A federally funded research and develop-  
24 ment center can provide a roadmap to correcting  
25 these deficiencies, strengthening the FAO branch,  
26 and placing qualified FAOs in positions of positive

1 influence over United States partnerships and alli-  
2 ances.

3 (b) ASSESSMENT AND REVIEW REQUIRED.—

4 (1) IN GENERAL.—Not later than 60 days after  
5 the date of the enactment of this Act, the Secretary  
6 of Defense shall enter into an agreement with a fed-  
7 erally funded research and development center to  
8 conduct an independent assessment and comprehen-  
9 sive review of the process by which Foreign Area Of-  
10 ficers and their equivalent positions in the other  
11 Armed Forces (in this section referred to as  
12 “FAOs”) are recruited, selected, trained, assigned,  
13 organized, promoted, retained, and used in security  
14 cooperation offices, senior defense roles in U.S. em-  
15 bassies, and in other critical roles of engagement  
16 with allies and partners.

17 (2) ELEMENTS.—The assessment and review  
18 conducted under paragraph (1) shall include the fol-  
19 lowing:

20 (A) Identification and assessment of the  
21 number and location of senior defense official  
22 billets, including their grade structure and  
23 availability to FAOs.

24 (B) A review of the cultural, racial, and  
25 ethnic diversity of FAOs.

1 (C) An assessment of the assignment proc-  
2 ess for FAOs.

3 (D) A review and assessment of the pro-  
4 motion criteria, process, and possible pathways  
5 for career advancement for FAOs.

6 (E) A review of the organization and cat-  
7 egorization of FAOs by geographic region.

8 (F) An assessment of the training program  
9 for FAOs and its effectiveness.

10 (G) An assessment of the available career  
11 paths for FAOs.

12 (H) An assessment of the criteria used to  
13 determine staffing requirements for senior de-  
14 fense official positions and security cooperation  
15 roles for uniformed officers.

16 (I) A review of the staffing of senior de-  
17 fense official and security cooperation roles and  
18 assessment to determine whether requirements  
19 are being met through the staffing process.

20 (J) An assessment of how the broader uti-  
21 lization of FAOs in key security cooperation  
22 and embassy defense leadership billets would  
23 improve the quality and professionalism of the  
24 security cooperation workforce under section  
25 384 of title 10, United States Code.

1           (K) A review of how many FAO opportuni-  
2           ties are joint-qualifying and an assessment of  
3           whether increasing the number of joint-qualified  
4           opportunities for FAOs would increase recruit-  
5           ment, retention, and promotion.

6           (L) Any other matters the Secretary deter-  
7           mines relevant.

8           (c) RESULTS.—The federally funded research and de-  
9           velopment center conducting the assessment and review  
10          described in subsection (b) shall submit to the Secretary  
11          the results of such assessment and review, which shall in-  
12          clude the following:

13           (1) A summary of the research and activities  
14           undertaken to carry out the assessment required by  
15           subsection (b).

16           (2) Considerations and recommendations, in-  
17           cluding legislative recommendations, to achieve the  
18           following:

19           (A) Improving the assessment, promotion,  
20           assignment selection, retention, and diversity of  
21           FAOs.

22           (B) Assigning additional FAOs to positions  
23           as senior defense officials.

24          (d) SUBMISSION TO CONGRESS.—

1           (1) IN GENERAL.—Not later than December 31,  
2           2022, the Secretary shall submit to the Committees  
3           on Armed Services of the Senate and the House of  
4           Representatives—

5                   (A) an unaltered copy of the results sub-  
6                   mitted pursuant to subsection (c); and

7                   (B) the written responses of the Secretary  
8                   and the Chairman of the Joint Chiefs of Staff  
9                   to such results.

10           (2) FORM.—The submission under paragraph  
11           (1) shall be submitted in unclassified form, but may  
12           include a classified annex.

1           **Subtitle C—Other Matters**

2   **SEC. 1321. [LOG 73642] EXTENSION OF AUTHORITY FOR DE-**  
3                   **PARTMENT OF DEFENSE SUPPORT FOR STA-**  
4                   **BILIZATION ACTIVITIES IN NATIONAL SECU-**  
5                   **RITY INTEREST OF THE UNITED STATES.**

6           Section 1210A(h) of the National Defense Authoriza-  
7   tion Act for Fiscal Year 2020 (Public Law 116–92; 133  
8   Stat. 1626) is amended by striking “December 31, 2021”  
9   and inserting “December 31, 2022”.





1       **Subtitle A—Military Programs**

2   **SEC. 1401 [Log 73240]. WORKING CAPITAL FUNDS.**

3       Funds are hereby authorized to be appropriated for  
4   fiscal year 2022 for the use of the Armed Forces and other  
5   activities and agencies of the Department of Defense for  
6   providing capital for working capital and revolving funds,  
7   as specified in the funding table in section 4501.

1 **SEC. 1402 [Log 73241]. CHEMICAL AGENTS AND MUNITIONS**  
2 **DESTRUCTION, DEFENSE.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated for the Depart-  
5 ment of Defense for fiscal year 2022 for expenses, not oth-  
6 erwise provided for, for Chemical Agents and Munitions  
7 Destruction, Defense, as specified in the funding table in  
8 section 4501.

9 (b) USE.—Amounts authorized to be appropriated  
10 under subsection (a) are authorized for—

11 (1) the destruction of lethal chemical agents  
12 and munitions in accordance with section 1412 of  
13 the Department of Defense Authorization Act, 1986  
14 (50 U.S.C. 1521); and

15 (2) the destruction of chemical warfare materiel  
16 of the United States that is not covered by section  
17 1412 of such Act.

1 **SEC. 1403 [Log 73242]. DRUG INTERDICTION AND COUNTER-**  
2 **DRUG ACTIVITIES, DEFENSE-WIDE.**

3 Funds are hereby authorized to be appropriated for  
4 the Department of Defense for fiscal year 2022 for ex-  
5 penses, not otherwise provided for, for Drug Interdiction  
6 and Counter-Drug Activities, Defense-wide, as specified in  
7 the funding table in section 4501.

1 **SEC. 1404 [Log 73243]. DEFENSE INSPECTOR GENERAL.**

2 Funds are hereby authorized to be appropriated for  
3 the Department of Defense for fiscal year 2022 for ex-  
4 penses, not otherwise provided for, for the Office of the  
5 Inspector General of the Department of Defense, as speci-  
6 fied in the funding table in section 4501.

1 **SEC. 1405 [Log 73244]. DEFENSE HEALTH PROGRAM.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal year 2022 for the Defense Health Program for use  
4 of the Armed Forces and other activities and agencies of  
5 the Department of Defense for providing for the health  
6 of eligible beneficiaries, as specified in the funding table  
7 in section 4501.

## 1                   **Subtitle A—Cyber Threats**

### 2   **SEC. 1501.[Log 72934] CYBER THREAT INFORMATION COL-** 3                   **LABORATION ENVIRONMENT.**

4           (a) IN GENERAL.—In consultation with the Cyber  
5 Threat Data Standards and Interoperability Council es-  
6 tablished pursuant to subsection (d), the Secretary of  
7 Homeland Security, in coordination with the Secretary of  
8 Defense and the Director of National Intelligence (acting  
9 through the Director of the National Security Agency),  
10 shall develop an information collaboration environment  
11 and associated analytic tools that enable entities to iden-  
12 tify, mitigate, and prevent malicious cyber activity to—

13                   (1) provide limited access to appropriate and  
14 operationally relevant data from unclassified and  
15 classified intelligence about cybersecurity risks and  
16 cybersecurity threats, as well as malware forensics  
17 and data from network sensor programs, on a plat-  
18 form that enables query and analysis;

19                   (2) enable cross-correlation of data on cyberse-  
20 curity risks and cybersecurity threats at the speed  
21 and scale necessary for rapid detection and identi-  
22 fication;

23                   (3) facilitate a comprehensive understanding of  
24 cybersecurity risks and cybersecurity threats; and

1           (4) facilitate collaborative analysis between the  
2       Federal Government and private sector critical infra-  
3       structure entities and information and analysis orga-  
4       nizations.

5       (b) IMPLEMENTATION OF INFORMATION COLLABO-  
6       RATION ENVIRONMENT.—

7           (1) EVALUATION.—Not later than 180 days  
8       after the date of the enactment of this Act, the Sec-  
9       retary of Homeland Security, acting through the Di-  
10      rector of the Cybersecurity and Infrastructure Secu-  
11      rity Agency of the Department of Homeland Secu-  
12      rity, in coordination with the Secretary of Defense  
13      and the Director of National Intelligence (acting  
14      through the Director of the National Security Agen-  
15      cy), shall—

16           (A) identify, inventory, and evaluate exist-  
17      ing Federal sources of classified and unclassi-  
18      fied information on cybersecurity threats;

19           (B) evaluate current programs, applica-  
20      tions, or platforms intended to detect, identify,  
21      analyze, and monitor cybersecurity risks and  
22      cybersecurity threats; and

23           (C) coordinate with private sector critical  
24      infrastructure entities and, as determined ap-  
25      propriate by the Secretary of Homeland Secu-

1           rity, in consultation with the Secretary of De-  
2           fense, other private sector entities, to identify  
3           private sector cyber threat capabilities, needs,  
4           and gaps.

5           (2) IMPLEMENTATION.—Not later than one  
6           year after the evaluation required under paragraph  
7           (1), the Secretary of Homeland Security, acting  
8           through the Director of the Cybersecurity and Infra-  
9           structure Security Agency, in coordination with the  
10          Secretary of Defense and the Director of National  
11          Intelligence (acting through the Director of the Na-  
12          tional Security Agency), shall begin implementation  
13          of the information collaboration environment devel-  
14          oped pursuant to subsection (a) to enable partici-  
15          pants in such environment to develop and run ana-  
16          lytic tools referred to in such subsection on specified  
17          data sets for the purpose of identifying, mitigating,  
18          and preventing malicious cyber activity that is a  
19          threat to government and critical infrastructure.  
20          Such environment and use of such tools shall—

21                 (A) operate in a manner consistent with  
22                 relevant privacy, civil rights, and civil liberties  
23                 policies and protections, including such policies  
24                 and protections established pursuant to section



1           1016 of the Intelligence Reform and Terrorism  
2           Prevention Act of 2004 (6 U.S.C. 485);

3           (B) account for appropriate data standards  
4           and interoperability requirements, consistent  
5           with the standards set forth in subsection (d);

6           (C) enable integration of current applica-  
7           tions, platforms, data, and information, includ-  
8           ing classified information, in a manner that  
9           supports integration of unclassified and classi-  
10          fied information on cybersecurity risks and cy-  
11          bersecurity threats;

12          (D) incorporate tools to manage access to  
13          classified and unclassified data, as appropriate;

14          (E) ensure accessibility by entities the Sec-  
15          retary of Homeland Security, in consultation  
16          with the Secretary of Defense and the Director  
17          of National Intelligence (acting through the Di-  
18          rector of the National Security Agency), deter-  
19          mines appropriate;

20          (F) allow for access by critical infrastruc-  
21          ture stakeholders and other private sector part-  
22          ners, at the discretion of the Secretary of  
23          Homeland Security, in consultation with the  
24          Secretary of Defense;

1 (G) deploy analytic tools across classifica-  
2 tion levels to leverage all relevant data sets, as  
3 appropriate;

4 (H) identify tools and analytical software  
5 that can be applied and shared to manipulate,  
6 transform, and display data and other identified  
7 needs; and

8 (I) anticipate the integration of new tech-  
9 nologies and data streams, including data from  
10 government-sponsored network sensors or net-  
11 work-monitoring programs deployed in support  
12 of State, local, Tribal, and territorial govern-  
13 ments or private sector entities.

14 (c) POST-DEPLOYMENT ASSESSMENT.—Not later  
15 than two years after the implementation of the informa-  
16 tion collaboration environment under subsection (b), the  
17 Secretary of Homeland Security, the Secretary of Defense,  
18 and the Director of National Intelligence (acting through  
19 the Director of the National Security Agency) shall jointly  
20 submit to Congress an assessment of whether to include  
21 additional entities, including critical infrastructure infor-  
22 mation sharing and analysis organizations, in such envi-  
23 ronment.

24 (d) CYBER THREAT DATA STANDARDS AND INTER-  
25 OPERABILITY COUNCIL.—

1           (1) ESTABLISHMENT.—There is established an  
2 interagency council, to be known as the “Cyber  
3 Threat Data Standards and Interoperability Coun-  
4 cil” (in this subsection referred to as the “council”),  
5 chaired by the Secretary of Homeland Security, to  
6 establish data standards and requirements for public  
7 and private sector entities to participate in the infor-  
8 mation collaboration environment developed pursu-  
9 ant to subsection (a).

10           (2) OTHER MEMBERSHIP.—

11           (A) PRINCIPAL MEMBERS.—In addition to  
12 the Secretary of Homeland Security, the council  
13 shall be composed of the Director of the Cyber-  
14 security and Infrastructure Security Agency of  
15 the Department of Homeland Security, the Sec-  
16 retary of Defense, and the Director of National  
17 Intelligence (acting through the Director of the  
18 National Security Agency).

19           (B) ADDITIONAL MEMBERS.—The Presi-  
20 dent shall identify and appoint council members  
21 from public and private sector entities who  
22 oversee programs that generate, collect, or dis-  
23 seminate data or information related to the de-  
24 tection, identification, analysis, and monitoring  
25 of cybersecurity risks and cybersecurity threats,

1 based on recommendations submitted by the  
2 Secretary of Homeland Security, the Secretary  
3 of Defense, and the Director of National Intel-  
4 ligence (acting through the Director of the Na-  
5 tional Security Agency).

6 (3) DATA STREAMS.—The council shall identify,  
7 designate, and periodically update programs that  
8 shall participate in or be interoperable with the in-  
9 formation collaboration environment developed pur-  
10 suant to subsection (a), which may include the fol-  
11 lowing:

12 (A) Network-monitoring and intrusion de-  
13 tection programs.

14 (B) Cyber threat indicator sharing pro-  
15 grams.

16 (C) Certain government-sponsored network  
17 sensors or network-monitoring programs.

18 (C) Incident response and cybersecurity  
19 technical assistance programs.

20 (D) Malware forensics and reverse-engi-  
21 neering programs.

22 (4) DATA GOVERNANCE.—The council shall es-  
23 tablish a committee comprised of the privacy officers  
24 of the Department of Homeland Security, the De-  
25 partment of Defense, and the National Security

1 Agency. Such committee shall establish procedures  
2 and data governance structures, as necessary, to  
3 protect sensitive data, comply with Federal regula-  
4 tions and statutes, and respect existing consent  
5 agreements with private sector critical infrastructure  
6 entities that apply to critical infrastructure informa-  
7 tion.

8 (5) RECOMMENDATIONS.—The council shall, as  
9 appropriate, submit recommendations to the Presi-  
10 dent to support the operation, adaptation, and secu-  
11 rity of the information collaboration environment de-  
12 veloped pursuant to subsection (a).

13 (e) DEFINITIONS.—In this section:

14 (1) CRITICAL INFRASTRUCTURE.—The term  
15 “critical infrastructure” has the meaning given such  
16 term in section 1016(e) of Public Law 107–56 (42  
17 U.S.C. 5195c(e)).

18 (2) CRITICAL INFRASTRUCTURE INFORMA-  
19 TION.—The term “critical infrastructure informa-  
20 tion” has the meaning given such term in section  
21 2222 of the Homeland Security Act of 2002 (6  
22 U.S.C. 671).

23 (3) CYBER THREAT INDICATOR.—The term  
24 “cyber threat indicator” has the meaning given such  
25 term in section 102(6) of the Cybersecurity Act of

1       2015 (enacted as division N of the Consolidated Ap-  
2       propriations Act, 2016 (Public Law 114–113; 6  
3       U.S.C. 1501(6))).

4           (4) CYBERSECURITY RISK.—The term “cyberse-  
5       curity risk” has the meaning given such term in sec-  
6       tion 2209 of the Homeland Security Act of 2002 (6  
7       U.S.C. 659).

8           (5) CYBERSECURITY THREAT.—The term “cy-  
9       bersecurity threat” has the meaning given such term  
10      in section 102(5) of the Cybersecurity Act of 2015  
11      (enacted as division N of the Consolidated Appro-  
12      priations Act, 2016 (Public Law 114–113; 6 U.S.C.  
13      1501(5))).

14          (6) INFORMATION SHARING AND ANALYSIS OR-  
15      GANIZATION.—The term “information sharing and  
16      analysis organization” has the meaning given such  
17      term in section 2222 of the Homeland Security Act  
18      of 2002 (6 U.S.C. 671).

1 **SEC. 1502.[Log 72937] ENTERPRISE-WIDE PROCUREMENT**  
2 **OF COMMERCIAL CYBER THREAT INFORMA-**  
3 **TION PRODUCTS.**

4 (a) PROGRAM.—No later than one year after the date  
5 of the enactment of this Act, the Secretary of Defense,  
6 acting through the Commander of Joint Force Head-  
7 quarters-Department of Defense information products  
8 Network, shall establish a program management office for  
9 the enterprise-wide procurement of commercial cyber  
10 threat information products. The program manager of  
11 such program shall be responsible for the following:

12 (1) Surveying components of the Department  
13 for the commercial cyber threat information product  
14 needs of such components.

15 (2) Conducting market research of commercial  
16 cyber threat information products.

17 (3) Developing requirements, both independ-  
18 ently and through consultation with components, for  
19 the acquisition of commercial cyber threat informa-  
20 tion products.

21 (4) Developing and instituting model contract  
22 language for the acquisition of commercial cyber  
23 threat information products, including contract lan-  
24 guage that facilitates Department of Defense compo-  
25 nents' requirements for ingesting, sharing, using and

1 reusing, structuring, and analyzing data derived  
2 from such products.

3 (5) Conducting procurement of commercial  
4 cyber threat information products on behalf of the  
5 Department of Defense, including negotiating con-  
6 tracts with a fixed number of licenses based on ag-  
7 gregate component demand and negotiation of exten-  
8 sible contracts.

9 (b) COORDINATION.—In implementing this section,  
10 each component of the Department of Defense shall co-  
11 ordinate the commercial cyber threat information product  
12 requirements and potential procurement plans relating to  
13 such products of each such component with the program  
14 management office established pursuant to subsection (a)  
15 so as to enable the program management office to deter-  
16 mine if satisfying such requirements or such procurement  
17 of such products on an enterprise-wide basis would serve  
18 the best interests of the Department.

19 (c) PROHIBITION.—Beginning not later than 540  
20 days after the date of the enactment of this Act, no com-  
21 ponent of the Department of Defense may independently  
22 procure a commercial cyber threat information product  
23 that has been procured by the program management office  
24 established pursuant to subsection (a), unless—



1           (1) such component is able to procure such  
2           product at a lower per-unit price than that available  
3           through the program management office; or

4           (2) the program management office has ap-  
5           proved such independent purchase.

6           (d) EXCEPTION.—The requirements of subsections  
7 (b) and (c) shall not apply to the National Security Agen-  
8 cy.

9           (e) DEFINITION.—In this section, the term “commer-  
10 cial cyber threat information products” refers to commer-  
11 cially-available data and indicators that facilitate discovery  
12 and understanding of the targets, infrastructure, tools,  
13 and tactics, techniques, and procedures of cyber threats.

1 **SEC. 1512.[Log 73476] UPDATE RELATING TO RESPONSIBIL-**  
2 **ITIES OF CHIEF INFORMATION OFFICER.**

3 Paragraph (1) of section 142(b) of title 10, United  
4 States Code, is amended—

5 (1) in subparagraphs (A), (B), and (C), by  
6 striking “(other than with respect to business man-  
7 agement)” each place it appears; and

8 (2) by amending subparagraph (D) to read as  
9 follows:

10 “(D) exercises authority, direction, and control  
11 over the Cybersecurity Directorate, or any successor  
12 organization, of the National Security Agency;”.

1           **Subtitle C—Cyber Weapons**

2   **SEC. 1521.[Log 72945] NOTIFICATION REQUIREMENTS RE-**  
3           **GARDING CYBER WEAPONS.**

4           (a) **IN GENERAL.**—Not later than 120 days after the  
5 date of the enactment of this Act, the Secretary of Defense  
6 shall submit to the congressional defense committees a re-  
7 port on the Department of Defense’s compliance respon-  
8 sibilities regarding cyber capabilities. Such report shall  
9 also include the Department’s definition of “cyber capa-  
10 bility” that includes all software, hardware, middleware,  
11 code, and other information technology developed using  
12 amounts from the Cyberspace Activities Budget of the De-  
13 partment of Defense that may used in operations author-  
14 ized under title 10, United States Code.

15           (b) **LIMITATION.**—Of amounts authorized to be ap-  
16 propriated by this Act or otherwise made available for fis-  
17 cal year 2022 for operations and maintenance, Defense-  
18 Wide, for the Office of the Secretary of Defense for travel,  
19 not more than 75 percent of such amounts may be obli-  
20 gated or expended until the Secretary of Defense has sub-  
21 mitted to the congressional defense committees the report  
22 required under subsection (a).

1 **SEC. 1522.[Log 73275] CYBERSECURITY OF WEAPON SYS-**  
2 **TEMS.**

3 Section 1640 of the National Defense Authorization  
4 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
5 2224 note), is amended—

6 (1) in subsection (c)(1), by adding at the end  
7 the following new subparagraphs:

8 “(E) Nuclear Command, Control, and  
9 Communications (NC3).

10 “(F) Senior Leadership Enterprise.”; and

11 (2) by adding at the end the following new sub-  
12 section:

13 “(f) BIENNIAL REPORTS.—Not later than June 30,  
14 2022, and every six months thereafter through 2023, the  
15 Secretary of Defense shall provide to the congressional de-  
16 fense committees a report on the work of the Program,  
17 including information relating to staffing and accomplish-  
18 ments of during the immediately preceding six-month pe-  
19 riod.”.

1           **Subtitle A—Space Activities**

2   **SEC. 1601.[Log 73354] IMPROVEMENTS TO TACTICALLY RE-**  
3                   **SPONSIVE SPACE LAUNCH PROGRAM.**

4           (a) SENSE OF CONGRESS.—It is the sense of Con-  
5 gress that—

6                   (1) the Space Force, in collaboration with the  
7           United States Space Command, the military depart-  
8           ments, relevant Defense Agencies and, where prac-  
9           ticable, the National Reconnaissance Office, should  
10          continue to build on the successful Space Safari  
11          tactically responsive launch-2 mission of the Space  
12          Force, which was a pathfinder to inform concepts of  
13          operation regarding tactically responsive launches;  
14          and

15                   (2) future efforts regarding tactically responsive  
16          launches should not be limited to only launch capa-  
17          bilities, but should also include all aspects that are  
18          needed for rapid reconstitution and responsiveness  
19          to urgent requirements with respect to satellite  
20          buses, payloads, operations, and ground infrastruc-  
21          ture.

22           (b) PROGRAM.—Section 1609 of the William M.  
23 (Mac) Thornberry National Defense Authorization Act for  
24 Fiscal Year 2021 (Public Law 116–283) is amended—

1 (1) by striking “The Secretary” and inserting  
2 “(a) PROGRAM.—The Secretary”; and

3 (2) by adding at the end the following new sub-  
4 section:

5 “(b) SUPPORT.—

6 “(1) ELEMENTS.—The Secretary of Defense, in  
7 consultation with the Director of National Intel-  
8 ligence, shall support the tactically responsive launch  
9 program under subsection (a) during the period cov-  
10 ered by the future-years defense program submitted  
11 to Congress under section 221 of title 10, United  
12 States Code, in 2022 to ensure that the program ad-  
13 dresses the following:

14 “(A) The ability to rapidly place on-orbit  
15 systems to respond to urgent needs of the com-  
16 manders of the combatant commands or to re-  
17 constitute space assets and capabilities to sup-  
18 port national security priorities if such assets  
19 and capabilities are degraded, attacked, or oth-  
20 erwise impaired, including such assets and ca-  
21 pabilities relating to protected communications  
22 and intelligence, surveillance, and reconnais-  
23 sance.

24 “(B) The entire launch process, including  
25 with respect to launch services, satellite bus and

1           payload availability, and operations and  
2           sustainment on-orbit.

3           “(2) PLAN.—As a part of the defense budget  
4           materials (as defined in section 239 of title 10,  
5           United States Code) for fiscal year 2023, the Sec-  
6           retary of Defense, in consultation with the Director  
7           of National Intelligence, shall submit to Congress a  
8           plan for the tactically responsive launch program to  
9           address the elements under paragraph (1). Such  
10          plan shall include the following:

11                   “(A) Lessons learned from the Space Sa-  
12                   fari tactically responsive launch-2 mission of  
13                   the Space Force, and how to incorporate such  
14                   lessons into future efforts regarding tactically  
15                   responsive launches.

16                   “(B) How to achieve responsive acquisition  
17                   timelines within the adaptive acquisition frame-  
18                   work for space acquisition pursuant to section  
19                   807.

20                   “(C) Plans to address supply chain issues  
21                   and leverage commercial capabilities to support  
22                   future reconstitution and urgent space require-  
23                   ments leveraging the tactically responsive  
24                   launch program under subsection (a).”.

1 **SEC. 1602.[Log 73366] NATIONAL SECURITY SPACE LAUNCH**  
2 **PROGRAM.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that—

5 (1) the Department of Defense and the Na-  
6 tional Reconnaissance Office should, to the extent  
7 practicable, use launch services under a phase two  
8 contract of the National Security Space Launch pro-  
9 gram; and

10 (2) for missions that fall outside of the require-  
11 ments of phase two of the National Security Space  
12 Launch program, the Department of Defense and  
13 the National Reconnaissance Office should continue  
14 to leverage the growing launch provider base of the  
15 United States, including those companies that pro-  
16 vide smaller and ride-share launch capabilities, to  
17 incentivize sustained investment in domestic launch  
18 capabilities.

19 (b) POLICY.—With respect to entering into contracts  
20 for launch services during the period beginning on the date  
21 of the enactment of this Act and ending September 30,  
22 2024, it shall be the policy of the Department of Defense  
23 and the National Reconnaissance Office to—

24 (1) use the National Security Space Launch  
25 program to the extent practicable to procure launch



1 services that are met under the requirements of  
2 phase two; and

3 (2) maximize continuous competition for launch  
4 services as the Space Force initiates planning for  
5 phase three, specifically for those technology areas  
6 that are unique to existing and emerging national  
7 security requirements.

8 (c) NOTIFICATION.—If the Secretary of Defense or  
9 the Director of the National Reconnaissance Office deter-  
10 mines that a program requiring launch services that could  
11 be met using phase two contracts will instead use an alter-  
12 native launch procurement approach, not later than seven  
13 days after the date of such determination, the Secretary  
14 of Defense or, as appropriate, the Director of National  
15 Intelligence, shall submit to the appropriate congressional  
16 committees—

17 (1) a notification of such determination;

18 (2) a certification that the alternative launch  
19 procurement approach is in the national security in-  
20 terest of the United States; and

21 (3) an outline of the cost analysis and any  
22 other rationale for such determination.

23 (d) REPORT.—

24 (1) REQUIREMENT.—Not later than 90 days  
25 after the date of the enactment of this Act, the Sec-

1       retary of Defense, in coordination with the Chief of  
2       Space Operations and the Director of the Space De-  
3       velopment Agency, and in consultation with the Di-  
4       rector of National Intelligence (including with re-  
5       spect to the views of the Director of the National  
6       Reconnaissance Office), shall submit to the appro-  
7       priate congressional committees a report on the  
8       plans of the Secretary to address, with respect to  
9       launches that would be procured in addition to or  
10      outside of launches under phase two, the emerging  
11      launch requirements in the areas of space access,  
12      mobility, and logistics that cannot be met by phase  
13      two capabilities, as of the date of the report.

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

16           (A) An examination of the benefits of com-  
17      peting up to two launches per year outside of  
18      phase two to accelerate the rapid development  
19      and on-orbit deployment of enabling and trans-  
20      formational technologies required to address  
21      emerging requirements, including with respect  
22      to—

23           (i) delivery of in-space transportation,  
24      logistics and on-orbit servicing capabilities  
25      to enhance the persistence, sensitivity, and

1 resiliency of national security space mis-  
2 sions in a contested space environment;

3 (ii) proliferated low-Earth orbit con-  
4 stellation deployment;

5 (iii) routine access to extended orbits  
6 beyond geostationary orbits, including  
7 cislunar orbits;

8 (iv) greater cislunar awareness capa-  
9 bilities;

10 (v) payload fairings that exceed cur-  
11 rent launch requirements;

12 (vi) increased responsiveness for heavy  
13 lift capability;

14 (vii) the ability to transfer orbits, in-  
15 cluding point-to-point orbital transfers;

16 (viii) capacity and capability to exe-  
17 cute secondary deployments;

18 (ix) high-performance upper stages;

19 (x) vertical integration; and

20 (xi) other new missions that are out-  
21 side the parameters of the nine design ref-  
22 erence missions that exist as of the date of  
23 the enactment of this Act;

24 (B) A description of how competing space  
25 access, mobility, and logistics launches could

1 aid in establishing a new acquisition framework  
2 to—

3 (i) promote the potential for addi-  
4 tional open and sustainable competition for  
5 phase three; and

6 (ii) re-examine the balance of mission  
7 assurance versus risk tolerance to reflect  
8 new resilient spacecraft architectures and  
9 reduce workload on the Federal Govern-  
10 ment and industry to perform mission as-  
11 surance where appropriate.

12 (C) An analysis of how the matters under  
13 subparagraphs (A) and (B) may help continue  
14 to reduce the cost per launch of national secu-  
15 rity payloads.

16 (D) An examination of the effects to the  
17 National Security Space Launch program if  
18 contracted launch providers cannot meet all  
19 phase two requirements, including with respect  
20 to—

21 (i) the effects to national security  
22 launch resiliency; and

23 (ii) the cost effects of a launch market  
24 that lacks full competition.

1           (3) FORM.—The report under paragraph (1)  
2 shall be submitted in unclassified form, but may in-  
3 clude a classified appendix.

4           (4) BRIEFING.—Not later than 30 days after  
5 the date of the enactment of this Act, the Secretary,  
6 in consultation with the Director of National Intel-  
7 ligence, shall provide to the appropriate congres-  
8 sional committees a briefing on the report under  
9 paragraph (1).

10 (e) DEFINITIONS.—In this section:

11           (1) The term “appropriate congressional com-  
12 mittees” means—

13                 (A) the congressional defense committees;  
14                 and

15                 (B) the Permanent Select Committee on  
16 Intelligence of the House of Representatives  
17 and the Select Committee on Intelligence of the  
18 Senate.

19           (2) The term “phase three” means, with re-  
20 spect to the National Security Space Launch pro-  
21 gram, launch missions ordered under the program  
22 after fiscal year 2024.

23           (3) The term “phase two” means, with respect  
24 to the National Security Space Launch program,

- 1 launch missions ordered under the program during
- 2 fiscal years 2020 through 2024.

1 **SEC. 1603.[Log 73369] CLASSIFICATION REVIEW OF PRO-**  
2 **GRAMS OF THE SPACE FORCE.**

3 (a) CLASSIFICATION REVIEW.—The Chief of Space  
4 Operations shall—

5 (1) not later than 120 days after the date of  
6 the enactment of this Act, conduct a review of each  
7 classified program managed under the authority of  
8 the Space Force to determine whether—

9 (A) the level of classification of the pro-  
10 gram could be changed to a lower level; or

11 (B) the program could be declassified; and

12 (2) not later than 90 days after the date on  
13 which the Chief completes such review, commence  
14 the change to the classification level or the declas-  
15 sification as determined in such review.

16 (b) COORDINATION.—The Chief of Space Operations  
17 shall carry out the review under subsection (a)(1) in co-  
18 ordination with the Assistant Secretary of Defense for  
19 Space Policy and, as the Chief determines appropriate, the  
20 heads of other elements of the Department of Defense.

21 (c) REPORT.—Not later than 60 days after the date  
22 on which the Chief of Space Operations completes the re-  
23 view under subsection (a)(1), the Chief, in coordination  
24 with the Assistant Secretary of Defense for Space Policy,  
25 shall submit to the congressional defense committees a re-  
26 port identifying each program managed under the author-

1 ity of the Space Force covered by a determination regard-  
2 ing changing the classification level of the program or de-  
3 classifying the program, including—

4           (1) the timeline for implementing such change  
5           or declassification; and

6           (2) any risks that exist in implementing such  
7           change or declassification.



1 **SEC. 1605.[Log 73372] NORMS OF BEHAVIOR FOR INTER-**  
2 **NATIONAL RULES-BASED ORDER IN SPACE.**

3 (a) **PRIORITIZED OBJECTIVES.**—Not later than 90  
4 days after the date of the enactment of this Act, the cov-  
5 ered officials shall each submit to the National Space  
6 Council a list of prioritized objectives with respect to es-  
7 tablishing norms of behavior to be addressed through bi-  
8 lateral and multilateral negotiations relating to an inter-  
9 national rules-based order in space, including with respect  
10 to events that create space debris, rendezvous and prox-  
11 imity operations, and other appropriate matters.

12 (b) **CONSOLIDATED LIST AND FRAMEWORK.**—Not  
13 later than 45 days after the date on which the National  
14 Space Council has received the list of prioritized objectives  
15 from each covered official under subsection (a), the Coun-  
16 cil shall consolidate such prioritized objectives in a single  
17 list. The Secretary of State, in collaboration with other  
18 heads of relevant departments and agencies of the Federal  
19 Government, shall use such consolidated list as a guide  
20 to establish a framework for bilateral and multilateral ne-  
21 gotiations described in such subsection.

22 (c) **SUBMISSION TO CONGRESS.**—Not later than  
23 seven days after the date on which the National Space  
24 Council consolidates the list of prioritized objectives under  
25 subsection (b) in a single list, the Council shall submit  
26 to the appropriate congressional committees such consoli-

1 dated list, disaggregated by the covered official who sub-  
2 mitted each such prioritized objective.

3 (d) DEFINITIONS.—In this section:

4 (1) The term “appropriate congressional com-  
5 mittees” means—

6 (A) the congressional defense committees;

7 (B) the Committee on Foreign Affairs, the  
8 Committee on Science, Space, and Technology,  
9 and the Permanent Select Committee on Intel-  
10 ligence of the House of Representatives; and

11 (C) the Committee on Foreign Relations,  
12 the Committee on Commerce, Science, and  
13 Transportation, and the Select Committee on  
14 Intelligence of the Senate.

15 (2) The term “covered official” means each of  
16 the following:

17 (A) The Under Secretary of Defense for  
18 Policy, in consultation with the Chief of Space  
19 Operations, the Commander of the United  
20 States Space Command, and the Director of the  
21 National Geospatial-Intelligence Agency.

22 (B) The Assistant Secretary of State for  
23 Arms Control, Verification, and Compliance.

24 (C) The Administrator of the National  
25 Aeronautics and Space Administration.

1 (D) The Director of the National Recon-  
2 naissance Office.

1 **SEC. 1623.[Log 73384] REVIEW OF SAFETY, SECURITY, AND**  
2 **RELIABILITY OF NUCLEAR WEAPONS AND RE-**  
3 **LATED SYSTEMS.**

4 (a) FINDINGS.—Congress finds the following:

5 (1) On December 20, 1990, Secretary of De-  
6 fense Cheney chartered a five-person independent  
7 committee known as the Federal Advisory Com-  
8 mittee on Nuclear Failsafe and Risk Reduction to  
9 assess the capability of the nuclear weapon com-  
10 mand and control system to meet the dual require-  
11 ments of assurance against unauthorized use of nu-  
12 clear weapons and assurance of timely, reliable exe-  
13 cution when authorized, and to identify opportunities  
14 for positive measures to enhance failsafe features.

15 (2) The Federal Advisory Committee, chaired  
16 by Ambassador Jeane J. Kirkpatrick, recommended  
17 changes in the nuclear enterprise, as well as policy  
18 proposals to reduce the risks posed by unauthorized  
19 launches and miscalculation.

20 (3) The Federal Advisory Committee found, un-  
21 ambiguously, that “failsafe and oversight enhance-  
22 ments are possible”.

23 (4) Since 1990, new threats to the nuclear en-  
24 terprise have arisen in the cyber, space, and infor-  
25 mation warfare domains.

1           (5) Ensuring the continued assurance of the  
2           nuclear command, control, and communications in-  
3           frastructure is essential to the national security of  
4           the United States.

5           (b) REVIEW.—The Secretary of Defense shall provide  
6           for the conduct of an independent review of the safety,  
7           security, and reliability of covered nuclear systems. The  
8           Secretary shall ensure that such review is conducted in  
9           a manner similar to the review conducted by the Federal  
10          Advisory Committee on Nuclear Failsafe and Risk Reduc-  
11          tion.

12          (c) MATTERS INCLUDED.—The review conducted  
13          pursuant to subsection (b) shall include the following:

14               (1) Plans for modernizing the covered nuclear  
15               systems, including options and recommendations for  
16               technical, procedural, and policy measures that could  
17               strengthen safeguards, improve the security and reli-  
18               ability of digital technologies, and prevent cyber-re-  
19               lated and other risks that could lead to the unau-  
20               thorized or inadvertent use of nuclear weapons as  
21               the result of an accident, misinterpretation, mis-  
22               calculation, terrorism, unexpected technological  
23               breakthrough, or deliberate act.

24               (2) Options and recommendations for nuclear  
25               risk reduction measures, focusing on confidence

1 building and predictability, that the United States  
2 could carry out alone or with near-peer adversaries  
3 to strengthen safeguards against the unauthorized  
4 or inadvertent use of a nuclear weapon and to re-  
5 duce nuclear risks.

6 (d) SUBMISSION.—Not later than one year after the  
7 date of the enactment of this Act, the Secretary shall sub-  
8 mit to the congressional defense committees the review  
9 conducted pursuant to subsection (b).

10 (e) PREVIOUS REVIEW.—Not later than 30 days after  
11 the date of the enactment of this Act, the Secretary shall  
12 submit to the congressional defense committees the final  
13 report of the Federal Advisory Committee on Nuclear  
14 Failsafe and Risk Reduction.

15 (f) COVERED NUCLEAR SYSTEMS DEFINED.—In this  
16 section, the term “covered nuclear systems” means the fol-  
17 lowing systems of the United States:

18 (1) The nuclear weapons systems.

19 (2) The nuclear command, control, and commu-  
20 nications system.

21 (3) The integrated tactical warning/attack as-  
22 sessment system.

1 **SEC. 1624.[Log 73350] REVIEW OF ENGINEERING AND MAN-**  
2 **UFACTURING DEVELOPMENT CONTRACT FOR**  
3 **GROUND-BASED STRATEGIC DETERRENT**  
4 **PROGRAM.**

5 (a) FINDINGS.—Congress finds the following:

6 (1) In September 2020, the Air Force awarded  
7 the engineering and manufacturing development con-  
8 tract for the ground-based strategic deterrent pro-  
9 gram.

10 (2) The total development cost of the ground-  
11 based strategic deterrent program is expected to be  
12 approximately \$100,000,000,000.

13 (3) The Vice Chairman of the Joint Chiefs of  
14 Staff recently noted that “we have got to make [the  
15 ground-based strategic deterrent program] more af-  
16 fordable. A three-stage, solid rocket ICBM should  
17 not cost as much as the forecast says it costs for  
18 now. After meeting with the program office at Nor-  
19 throp Grumman multiple times I think that program  
20 can come in significantly cheaper. It’s designed cor-  
21 rectly. It’s a digital engineering process that should  
22 be able to build things quickly and much more effec-  
23 tively.”.

24 (4) The Air Force has placed significant impor-  
25 tance on digital engineering in achieving cost and

1 schedule requirements with respect to the ground-  
2 based strategic deterrent program.

3 (b) REVIEW.—

4 (1) REQUIREMENT.—The Secretary of the Air  
5 Force shall provide for the conduct of a review of  
6 the implementation and the execution of the engi-  
7 neering and manufacturing development contract for  
8 the ground-based strategic deterrent program.

9 (2) MATTERS INCLUDED.—The review under  
10 paragraph (1) shall include the following:

11 (A) An analysis of the ability of the Air  
12 Force to implement industry best practices dur-  
13 ing the engineering and manufacturing develop-  
14 ment phase of the ground-based strategic deter-  
15 rent program.

16 (B) A review of the challenges the Air  
17 Force faces in implementing such industry best  
18 practices.

19 (C) A review of the ability of the Air Force  
20 to leverage digital engineering during such engi-  
21 neering and manufacturing development phase.

22 (D) A review of any options that may be  
23 available to the Air Force to reduce cost and in-  
24 troduce competition within the operations and



1 maintenance phase of the ground-based stra-  
2 tegic deterrent program.

3 (E) Recommendations to improve the cost,  
4 schedule, and program management of the  
5 ground-based strategic deterrent program.

6 (3) EXPERTISE.—The Secretary shall ensure  
7 that the review under paragraph (1) is conducted by  
8 individuals from the public and private sector, in-  
9 cluding not fewer than two individuals—

10 (A) who are not employees or officers of  
11 the Department of Defense or a contractor of  
12 the Department; and

13 (B) who have experience outside of the de-  
14 fense industry.

15 (4) PROVISION OF INFORMATION.—The Sec-  
16 retary shall provide to the individuals conducting the  
17 review under paragraph (1) all information nec-  
18 essary for the review.

19 (5) SECURITY CLEARANCES.—The Secretary  
20 shall ensure that each individual who conducts the  
21 review under paragraph (1) holds a security clear-  
22 ance at the appropriate level for such review.

23 (c) REPORT.—Not later than 270 days after the date  
24 of the enactment of this Act, the Secretary shall submit  
25 to the congressional defense committees a report con-

1 taining the review under subsection (b)(1). The report  
2 shall be submitted in unclassified form and shall include  
3 a classified annex.

4 (d) BRIEFING.—Not later than 90 days after the date  
5 on which the Secretary submits the report under sub-  
6 section (c), the Secretary shall provide to the congressional  
7 defense committees a briefing on implementing the rec-  
8 ommendations contained in the review under subsection  
9 (b)(1).

1 **SEC. 1625.[Log 73331] LONG-RANGE STANDOFF WEAPON.**

2 (a) LIMITATION.—The Secretary of the Air Force  
3 may not award a procurement contract for the long-range  
4 standoff weapon until the Secretary submits to the con-  
5 gressional defense committees each of the following:

6 (1) An updated cost estimate for the procure-  
7 ment portion of the long-range standoff weapon pro-  
8 gram that is—

9 (A) informed by the engineering and man-  
10 ufacturing development contract, including with  
11 respect to any completed flight tests; and

12 (B) independently validated by the Direc-  
13 tor of Cost Assessment and Program Evalua-  
14 tion.

15 (2) A certification that the future-years defense  
16 program submitted to Congress under section 221 of  
17 title 10, United States Code, includes, or will in-  
18 clude, estimated funding for the program in the  
19 amounts specified in the cost estimate under para-  
20 graph (1).

21 (3) A copy of the justification and approval  
22 documentation regarding the Secretary determining  
23 to award a sole-source contract for the program, in-  
24 cluding with respect to how the Secretary will man-  
25 age the cost of the program in the absence of com-  
26 petition.

1 (b) BRIEFING.—Not later than 90 days after the date  
2 of the enactment of this Act, the Secretary of the Air  
3 Force shall provide to the congressional defense commit-  
4 tees a briefing on the execution of the engineering and  
5 manufacturing development contract for the long-range  
6 standoff weapon, including with respect to—

7 (1) how the timely development of the long-  
8 range standoff weapon may serve as a hedge to  
9 delays in other nuclear modernization efforts;

10 (2) the effects of potential delays in the W80-  
11 4 warhead program on the ability of the long-range  
12 standoff weapon to achieve the initial operational ca-  
13 pability schedule under section 217 of the National  
14 Defense Authorization Act for Fiscal Year 2014  
15 (Public Law 113–66; 127 Stat. 706), as most re-  
16 cently amended by section 1668 of the National De-  
17 fense Authorization Act for Fiscal Year 2020 (Pub-  
18 lic Law 116–92; 133 Stat. 1774);

19 (3) options to adjust the budget profile of the  
20 long-range standoff weapon program to ensure the  
21 program remains on schedule;

22 (4) a plan to reconcile, with respect to the pro-  
23 curement portion of the program, the Air Force  
24 service cost position and the estimate by the Direc-

1       tor of Cost Assessment and Program Evaluation;  
2       and  
3               (5) a plan to ensure best value to the United  
4       States for such procurement portion.

1 **SEC. 1633.[Log 73370] MISSILE DEFENSE RADAR IN HAWAII.**

2 (a) SENSE OF CONGRESS.—It is the sense of Con-  
3 gress that—

4 (1) Hawaii should have discrimination radar  
5 coverage against intercontinental ballistic missiles  
6 that is equivalent to such coverage provided to the  
7 contiguous United States and Alaska once the long  
8 range discrimination radar achieves operational ca-  
9 pability at Clear Air Force Base, Alaska; and

10 (2) to achieve such equivalent discrimination  
11 radar coverage, the Secretary of Defense, acting  
12 through the Director of the Missile Defense Agency,  
13 should—

14 (A) restore the discrimination radar for  
15 homeland defense planned to be located in Ha-  
16 waii; and

17 (B) request adequate funding for the radar  
18 in the future-years defense program submitted  
19 to Congress under section 221 of title 10,  
20 United States Code, for the radar to achieve  
21 operational capability by not later than Decem-  
22 ber 31, 2028, when the next generation inter-  
23 ceptor is anticipated to achieve initial operating  
24 capability.

25 (b) CERTIFICATION.—As a part of the defense budget  
26 materials (as defined in section 239 of title 10, United

1 States Code) for fiscal year 2023, the Director of the Mis-  
2 sile Defense Agency shall certify to the congressional de-  
3 fense committees that—

4 (1) the future-years defense program submitted  
5 to Congress under section 221 of title 10, United  
6 States Code, in 2022 includes adequate amounts of  
7 estimated funding to develop, construct, test, and in-  
8 tegrate into the missile defense system the discrimi-  
9 nation radar for homeland defense planned to be lo-  
10 cated in Hawaii; and

11 (2) such radar and associated in-flight inter-  
12 ceptor communications system data terminal will be  
13 operational by not later than December 31, 2028.

1                   **Subtitle E—Other Matters**

2   **SEC. 1641.[Log 73575] COOPERATIVE THREAT REDUCTION**  
3                   **FUNDS.**

4           (a) **FUNDING ALLOCATION.**—Of the \$239,849,000  
5 authorized to be appropriated to the Department of De-  
6 fense for fiscal year 2022 in section 301 and made avail-  
7 able by the funding table in division D for the Department  
8 of Defense Cooperative Threat Reduction Program estab-  
9 lished under section 1321 of the Department of Defense  
10 Cooperative Threat Reduction Act (50 U.S.C. 3711), the  
11 following amounts may be obligated for the purposes spec-  
12 ified:

13                   (1) For strategic offensive arms elimination,  
14                   \$2,997,000.

15                   (2) For chemical security and elimination,  
16                   \$13,250,000.

17                   (3) For global nuclear security, \$17,767,000.

18                   (4) For biological threat reduction,  
19                   \$124,022,000.

20                   (5) For proliferation prevention, \$58,754,000.

21                   (6) For activities designated as Other Program  
22                   Support, \$23,059,000.

23           (b) **SPECIFICATION OF COOPERATIVE THREAT RE-**  
24 **DUCTION FUNDS.**—Funds appropriated pursuant to the  
25 authorization of appropriations in section 301 and made



1 available by the funding table in division D for the Depart-  
2 ment of Defense Cooperative Threat Reduction Program  
3 shall be available for obligation for fiscal years 2022,  
4 2023, and 2024.

1 **SEC. 1701.[Log 73609]. TECHNICAL, CONFORMING, AND**  
2 **CLERICAL AMENDMENTS RELATED TO THE**  
3 **TRANSFER AND REORGANIZATION OF DE-**  
4 **FENSE ACQUISITION STATUTES.**

5 (a) APPLICABILITY; DEFINITIONS.—

6 (1) APPLICABILITY.—The amendments made  
7 by this section to title XVIII of the William M.  
8 (Mac) Thornberry National Defense Authorization  
9 Act for Fiscal Year 2021 (Public Law 116–283)  
10 shall apply as if included in such Act as enacted.

11 (2) DEFINITIONS.—In this section, the terms  
12 “FY2021 NDAA” and “such Act” mean the William  
13 M. (Mac) Thornberry National Defense Authoriza-  
14 tion Act for Fiscal Year 2021 (Public Law 116–  
15 283).

16 (b) TECHNICAL CORRECTIONS TO TITLE XVIII OF  
17 FY2021 NDAA.—Title XVIII of the FY2021 NDAA is  
18 amended as follows:

19 (1) Section 1806(a) is amended in paragraph  
20 (4) by striking “TRANSFER” and all that follows  
21 through “and amended” and inserting the following:  
22 “RESTATEMENT OF SECTION 2545(1).—Section 3001  
23 of such title, as added by paragraph (1), is further  
24 amended by inserting after subsection (b), as trans-  
25 ferred and redesignated by paragraph (3), a new  
26 subsection (c) having the text of paragraph (1) of

1 section 2545 of such title, as in effect on the day be-  
2 fore the date of the enactment of this Act, revised”.

3 (2) Section 1807 is amended—

4 (A) in subsection (c)(3)(A)—

5 (i) by striking the semicolon and close  
6 quotation marks at the end of clause (i)  
7 and inserting close quotation marks and a  
8 semicolon; and

9 (ii) by striking “by any” in the matter  
10 to be inserted by clause (ii); and

11 (B) in subsection (e)—

12 (i) by striking “of this title” in the  
13 matter to be inserted by paragraph (2)(B);  
14 and

15 (ii) by striking “Sections” in the  
16 quoted matter before the period at the end  
17 of paragraph (3) and inserting “For pur-  
18 poses of”.

19 (3) Section 1809(e) is amended by striking sub-  
20 paragraph (B) of paragraph (2) (including the  
21 amendment made by that subparagraph).

22 (4) Section 1811 is amended—

23 (A) in subsection (c)(2)(B), by striking the  
24 comma before the close quotation marks in both

1 the matter to be stricken and the matter to be  
2 inserted;

3 (B) in subsection (d)(3)(B)—

4 (i) by striking the dash after “mobili-  
5 zation” in the matter to be inserted by  
6 clause (ii) and inserting a semicolon; and

7 (ii) by striking the dash after “cen-  
8 ter” in the matter to be inserted by clause  
9 (iv) and inserting “; or”;

10 (C) in subsection (d)(4)(D), by striking  
11 “this” in the matter to be stricken by clause (ii)  
12 and inserting “This”;

13 (D) in subsection (d)(5)(A), by striking  
14 “SOURCES.—The” and inserting “SOURCES.—”  
15 before “The”;

16 (E) in subsection (d)(6)(A), in the matter  
17 to be inserted—

18 (i) by striking the close quotation  
19 marks after “PROCEDURES.—”; and

20 (ii) by striking the comma after  
21 “(7)”; and

22 (F) in subparagraphs (C)(ii) and (E)(ii) of  
23 subsection (e)(3), by striking “and (ii)” each  
24 place it appears and inserting “and (iii)”.

1           (5) Section 1813 is amended in subsection  
2           (c)(1)(D) by inserting “and inserting” after the first  
3           closing quotation marks.

4           (6) Section 1816(c)(5) is amended—

5           (A) in subparagraph (C)—

6           (i) by striking “the second sentence”  
7           and inserting “the second and third sen-  
8           tences”; and

9           (ii) by striking “subsection (d)” and  
10          inserting “subsections (d) and (e), respec-  
11          tively”; and

12          (B) by striking subparagraph (G) and in-  
13          serting the following:

14               “(G) in subsection (d), as so designated,  
15               by inserting ‘NOTICE OF AWARD.—’ before  
16               ‘The head of’; and

17               “(H) in subsection (e), as so designated,  
18               by striking ‘This subparagraph does not’ and  
19               inserting ‘EXCEPTION FOR PERISHABLE SUB-  
20               SISTENCE ITEMS.—Subsections (c) and (d) do  
21               not.’”.

22          (7) Section 1818 is amended by striking the  
23          close quotation marks and second period at the end  
24          of subsection (b).

1           (8) Section 1820 is amended in subsection  
2           (c)(3)(A) by striking “section” in the matter to be  
3           deleted.

4           (9) Section 1833(o)(2) is amended by striking  
5           “Section” and “as section” and inserting “Sections”  
6           and “as sections”, respectively.

7           (10) Section 1834(h)(2) is amended by striking  
8           “section 3801(1)” in the matter to be inserted and  
9           inserting “section 3801(a)”.

10          (11) Section 1845(c)(2) is amended by striking  
11          “section” in the matter to be stricken and inserting  
12          “sections”.

13          (12) Section 1856(h) is amended by striking  
14          “subsection (d)” and inserting “subsection (g)”.

15          (13) Section 1862(c)(2) is amended by striking  
16          “section 4657” and inserting “section 4658”.

17          (14) Section 1866(d) is amended by striking  
18          “4817” in the matter to be inserted by paragraph  
19          (4)(A)(ii) and inserting “4818”.

1 **SEC. 1702.[Log 73430]. CONFORMING CROSS REFERENCE**  
2 **TECHNICAL AMENDMENTS RELATED TO THE**  
3 **TRANSFER AND REORGANIZATION OF DE-**  
4 **FENSE ACQUISITION STATUTES.**

5 (a) AMENDMENTS TO TITLE 10, UNITED STATES  
6 CODE.—Title 10, United States Code, is amended as fol-  
7 lows:

8 (1) Section 171a(i)(3) is amended by striking  
9 “2366a(d)” and inserting “4251(d)”.

10 (2) Section 181(b)(6) is amended by striking  
11 “sections 2366a(b), 2366b(a)(4),” and inserting  
12 “sections 4251(b), 4252(a)(4),”.

13 (3) Section 1734(c)(2) is amended by striking  
14 “section 2435(a)” and inserting “section 4214(a)”.

15 (b) AMENDMENTS TO LAWS CLASSIFIED AS NOTES  
16 IN TITLE 10, UNITED STATES CODE.—

17 (1) Section 801(1) of the National Defense Au-  
18 thorization Act for Fiscal Year 2018 (Public Law  
19 115–91; 10 U.S.C. 2302 note) is amended by strik-  
20 ing “section 2545” and inserting “section 3001”.

21 (2) Section 323(a) of the Ike Skelton National  
22 Defense Authorization Act for Fiscal Year 2011  
23 (Public Law 111–383; 10 U.S.C. 2463 note) is  
24 amended by striking “section 235, 2330a, or 2463”  
25 and inserting “section 2463, 3137, or 4505”.

1           (3) Section 8065 of the Department of Defense  
2           Appropriations Act, 2005 (Public Law 108–287; 10  
3           U.S.C. 2540 note), is amended—

4                   (A) by striking “subchapter VI of chapter  
5                   148” both places it appears and inserting “sub-  
6                   chapter I of chapter 389”; and

7                   (B) by striking “section 2540c(d)” and in-  
8                   serting “section 4974(d)”.

9           (c) AMENDMENTS TO LAWS CLASSIFIED IN TITLE 6,  
10          UNITED STATES CODE (HOMELAND SECURITY).—

11           (1) Section 831(a) of the Homeland Security  
12          Act of 2002 (6 U.S.C. 391(a)) is amended—

13                   (A) in paragraph (1), by striking “section  
14                   2371” and inserting “section 4002”; and

15                   (B) in paragraph (2)—

16                           (i) by striking “section 845 of the Na-  
17                           tional Defense Authorization Act for Fiscal  
18                           Year 1994 (Public Law 103–160)” in the  
19                           first sentence and inserting “section 4003  
20                           of title 10, United States Code”; and

21                           (ii) by striking “845” in the second  
22                           sentence.

23           (2) Section 853(b) of such Act (6 U.S.C.  
24          423(b)) is amended by striking paragraphs (1), (2),  
25          and (3) and inserting the following:



1           “(1) Section 134 of title 41, United States  
2 Code.

3           “(2) Section 153 of title 41, United States  
4 Code.

5           “(3) Section 3015 of title 10, United States  
6 Code.”.

7           (3) Section 855 of such Act (6 U.S.C. 425) is  
8 amended—

9           (A) in subsection (a)(2), by striking sub-  
10 paragraphs (A), (B), and (C) and inserting the  
11 following:

12           “(A) Sections 1901 and 1906 of title 41,  
13 United States Code.

14           “(B) Section 3205 of title 10, United  
15 States Code.

16           “(C) Section 3305 of title 41, United  
17 States Code.”; and

18           (B) in subsection (b)(1), by striking “pro-  
19 vided in” and all that follows through “shall  
20 not” and inserting “provided in section  
21 1901(a)(2) of title 41, United States Code, sec-  
22 tion 3205(a)(2) of title 10, United States Code,  
23 and section 3305(a)(2) of title 41, United  
24 States Code, shall not”.

1           (4) Section 856(a) of such Act (6 U.S.C.  
2           426(a)) is amended by striking paragraphs (1), (2),  
3           and (3) and inserting the following:

4           “(1) FEDERAL PROPERTY AND ADMINISTRA-  
5           TIVE SERVICES ACT OF 1949.—In division C of sub-  
6           title I of title 41, United States Code:

7           “(A) Paragraphs (1), (2), (6), and (7) of  
8           subsection (a) of section 3304 of such title, re-  
9           lating to use of procedures other than competi-  
10          tive procedures under certain circumstances  
11          (subject to subsection (d) of such section).

12          “(B) Section 4106 of such title, relating to  
13          orders under task and delivery order contracts.

14          “(2) TITLE 10, UNITED STATES CODE.—In part  
15          V of subtitle A of title 10, United States Code:

16          “(A) Paragraphs (1), (2), (6), and (7) of  
17          subsection (a) of section 3204, relating to use  
18          of procedures other than competitive procedures  
19          under certain circumstances (subject to sub-  
20          section (d) of such section).

21          “(B) Section 3406, relating to orders  
22          under task and delivery order contracts.

23          “(3) OFFICE OF FEDERAL PROCUREMENT POL-  
24          ICY ACT.—Paragraphs (1)(B), (1)(D), and (2)(A) of  
25          section 1708(b) of title 41, United States Code, relat-

1 ing to inapplicability of a requirement for procure-  
2 ment notice.”.

3 (5) Section 604(f) of the American Recovery  
4 and Reinvestment Act of 2009 (6 U.S.C. 453b(f)) is  
5 amended by striking “section 2304(g)” and inserting  
6 “section 3205”.

7 (d) AMENDMENTS TO TITLE 14, UNITED STATES  
8 CODE (COAST GUARD).—Title 14, United States Code, is  
9 amended as follows:

10 (1) Section 308(c)(10)(B)(ii) is amended by  
11 striking “section 2547(c)(1)” and inserting “section  
12 3104(c)(1)”.

13 (2) Section 1137(b)(4) is amended by striking  
14 “section 2306b” and inserting “subchapter I of  
15 chapter 249”.

16 (3) Section 1906(b)(2) is amended by striking  
17 “chapter 137” and inserting “sections 3201 through  
18 3205”.

19 (e) AMENDMENTS TO LAWS CLASSIFIED IN TITLE  
20 15, UNITED STATES CODE (COMMERCE).—

21 (1) Section 14(a) of the Metric Conversion Act  
22 of 1975 (15 U.S.C. 205l(a)) is amended—

23 (A) in the first sentence, by striking “set  
24 forth in chapter 137” and all that follows  
25 through “et seq.),” and inserting “set forth in

1 the provisions of title 10, United States Code,  
2 referred to in section 3016 of such title as  
3 ‘chapter 137 legacy provisions’, section 3453 of  
4 such title, division C (except sections 3302,  
5 3307(e), 3501(b), 3509, 3906, 4710, and 4711)  
6 of subtitle I of title 41, United States Code.”;

7 (B) in the second sentence, by striking  
8 “under section 2377(c)” and all that follows  
9 through the period and inserting “under section  
10 3453(c) of title 10, United States Code, and  
11 section 3307(d) of title 41, United States  
12 Code.”; and

13 (C) in the third sentence, by striking “sec-  
14 tion 2377” and all that follows through “shall  
15 take” and inserting “section 4324 of title 10,  
16 United States Code, or section 3307(b) to (d) of  
17 title 41, United States Code, then the provi-  
18 sions of such sections 4324 or 3307(b) to (d)  
19 shall take”.

20 (2) Section 8 of the Small Business Act (15  
21 U.S.C. 637) is amended—

22 (A) in subsection (g)(2), by striking “sec-  
23 tion 2304(c)” and inserting “section 3204(a)”;  
24 and

25 (B) in subsection (h)—

1 (i) in paragraph (1)(B), by striking  
2 “chapter 137” and inserting “section 3201  
3 through 3205”; and

4 (ii) in paragraph (2), by striking “sec-  
5 tion 2304(f)(2)” and “section 2304(f)(1)”,  
6 and inserting “paragraphs (3) and (4) of  
7 section 3204(e)” and “section 3204(e)(1)”,  
8 respectively.

9 (3) Section 9 of the Small Business Act (15  
10 U.S.C. 638) is amended in subsection (r)(4)(A) by  
11 striking “section 2304” and inserting “sections  
12 3201 through 3205”.

13 (4) Section 884(a)(2) of the National Defense  
14 Authorization Act for Fiscal Year 2020 (Public Law  
15 116–92; 15 U.S.C. 638 note) is amended by striking  
16 “section 2500” and inserting “section 4801”.

17 (5) Section 15 of the Small Business Act (15  
18 U.S.C. 644) is amended—

19 (A) in subsection (k)—

20 (i) in paragraph (17)(B), by striking  
21 “section 2318” and inserting “section  
22 3249”;

23 (ii) in paragraph (17)(C), by striking  
24 “chapter 142” and inserting “chapter  
25 388”; and

1 (iii) in paragraph (18), by striking  
2 “section 2784” and inserting “section  
3 4754”;

4 (B) in subsection (r)(2), by striking “sec-  
5 tion 2304c(b)” and inserting “section 3406(e)”;  
6 and

7 (C) in subsections (u) and (v), by striking  
8 “chapter 142” and inserting “chapter 388”.

9 (6) Section 16 of the Small Business Act (15  
10 U.S.C. 645) is amended in subsection (d)(3) by  
11 striking “chapter 142” and inserting “chapter 388”.

12 (7) Section 272 of the National Defense Au-  
13 thorization Act for Fiscal Years 1988 and 1989  
14 (Public Law 100–180; 15 U.S.C. 4602) is amended  
15 in subsection (c) by striking “section 2306a” and in-  
16 serting “chapter 271”.

17 (f) AMENDMENTS TO TITLES 32, UNITED STATES  
18 CODE (NATIONAL GUARD) AND 37, UNITED STATES  
19 CODE (PAY AND ALLOWANCES).—

20 (1) Section 113 of title 32, United States Code,  
21 is amended in subsection (b)(1)(B) by striking “sec-  
22 tion 2304(c)” and inserting “section 3204(a)”.

23 (2) Section 418 of title 37, United States Code,  
24 is amended in subsection (d)(2)(A)—

1 (A) by striking “section 2533a” and in-  
2 serting “section 4862”; and

3 (B) by striking “chapter 137 of title 10”  
4 and inserting “chapter 137 legacy provisions  
5 (as such term is defined in section 3016 of title  
6 10)”.

7 (g) AMENDMENTS TO TITLE 40, UNITED STATES  
8 CODE (PUBLIC BUILDINGS).—Title 40, United States  
9 Code, is amended as follows:

10 (1) Section 113(e) is amended—

11 (A) in paragraph (3)—

12 (i) by striking “chapter 137” and in-  
13 serting “section 3063”; and

14 (ii) by striking “that chapter;” and in-  
15 serting “the provisions of that title re-  
16 ferred to in section 3016 of such title as  
17 ‘chapter 137 legacy provisions’;”; and

18 (B) in paragraph (5), by striking “section  
19 2535” and inserting “section 4881”.

20 (2) Section 581(f)(1)(A) is amended by striking  
21 “section 2535” and inserting “section 4881”.

22 (h) AMENDMENTS TO TITLE 41, UNITED STATES  
23 CODE (PUBLIC CONTRACTS).—Title 41, United States  
24 Code, is amended as follows:

1 (1) Section 1127(b) is amended by striking  
2 “section 2324(e)(1)(P)” and inserting “section  
3 3744(a)(16)”.

4 (2) Section 1303(a)(1) is amended by striking  
5 “chapters 4 and 137 of title 10” and inserting  
6 “chapter 4 of title 10, chapter 137 legacy provisions  
7 (as such term is defined in section 3016 of title  
8 10)”.

9 (3) Section 1502(b)(1)(B) is amended by strik-  
10 ing “section 2306a(a)(1)(A)(i)” and inserting “sec-  
11 tion 3702(a)(1)(A)”.

12 (4) Section 1708(b)(2)(A) is amended by strik-  
13 ing “section 2304(c)” and inserting “section  
14 3204(a)”.

15 (5) Section 1712(b)(2)(B) is amended by strik-  
16 ing “section 2304(c)” and inserting “section  
17 3204(a)”.

18 (6) Section 1901(e)(2) is amended by striking  
19 “section 2304(f)” and inserting “section 3204(e)”.

20 (7) Section 1903 is amended—

21 (A) in subsection (b)(3), by striking “sec-  
22 tion 2304(g)(1)(B)” and inserting “section  
23 3205(a)(2)”;

24 (B) in subsection (c)(2)(B), by striking  
25 “section 2306a” and inserting “chapter 271”.



1           (8) Section 1907(a)(3)(B)(ii) is amended by  
2 striking “section 2305(e) and (f)” and inserting  
3 “section 3308”.

4           (9) Section 1909(e) is amended by striking  
5 “section 2784” and inserting “section 4754”.

6           (10) Section 2101(2)(A) is amended by striking  
7 “section 2306a(h)” and inserting “section 3701”.

8           (11) Section 2311 is amended by striking “sec-  
9 tion 2371” and inserting “section 4002”.

10          (12) Section 3302 is amended—

11           (A) in subsection (a)(3)—

12               (i) in subparagraph (A), by striking  
13 “section 2302(2)(C)” and inserting “sec-  
14 tion 3012(3)”; and

15               (ii) in subparagraph (B), by striking  
16 “sections 2304a to 2304d of title 10,” and  
17 inserting “chapter 245 of title 10”;

18           (B) in subsection (c)(1)(A)(i), by striking  
19 “section 2304c(b)” and inserting “section  
20 3406(c)”; and

21           (C) in subsection (d)(1)(B), by striking  
22 “section 2304(f)(1)” and inserting “section  
23 3204(e)(1)”.

24          (13) Section 3307(e)(1) is amended by striking  
25 “chapter 140” and inserting “chapter 247”.

1 (14) Section 4104 is amended—

2 (A) in subsection (a), by striking “sections  
3 2304a to 2304d” and inserting “chapter 245”;  
4 and

5 (B) in subsection (b)—

6 (i) in paragraph (1), by striking “sec-  
7 tions 2304a to 2304d” and inserting  
8 “chapter 245”;

9 (ii) in paragraph (2)(B), by striking  
10 “section 2304c(b)” and inserting “section  
11 3406(c)”; and

12 (iii) in paragraph (2)(C), by striking  
13 “section 2304c(c)” and inserting “section  
14 3406(e)”.

15 (i) AMENDMENTS TO LAWS CLASSIFIED AS NOTES  
16 IN TITLE 41, UNITED STATES CODE.—

17 (1) Section 555 of the FAA Reauthorization  
18 Act of 2018 (Public Law 115–254; 41 U.S.C. pre-  
19 ceding 3101 note) is amended by striking “section  
20 2305” in subsections (a)(4) and (c)(1) and inserting  
21 “sections 3206 through 3208 and sections 3301  
22 through 3309”.

23 (2) Section 846(f)(5) of the National Defense  
24 Authorization Act for Fiscal Year 2018 (Public Law  
25 115–91; 41 U.S.C. 1901 note) is amended by strik-

1 ing “section 2304” and inserting “sections 3201  
2 through 3205”.

3 (3) Section 811 of the National Defense Au-  
4 thorization Act for Fiscal Year 2010 (Public Law  
5 111–84; 41 U.S.C. 3304 note) is amended—

6 (A) in subsection (a)(3), by striking “sec-  
7 tions 2304(f)(1)(C) and 2304(l)” and inserting  
8 “sections 3204(e)(1)(C) and 3204(g)”; and

9 (B) in subsection (c)—

10 (i) in paragraph (1)(A), by striking  
11 “section 2304(f)(2)(D)(ii)” and inserting  
12 “section 3204(e)(4)(D)(ii)”;

13 (ii) in paragraph (2)(A), by striking  
14 “section 2302(1)” and inserting “section  
15 3004”; and

16 (iii) in paragraph (3)(A), by striking  
17 “section 2304(f)(1)(B)” and inserting  
18 “section 3204(e)(1)(B)”.

19 (j) AMENDMENTS TO LAWS CLASSIFIED IN TITLE 42,  
20 UNITED STATES CODE.—

21 (1) The Public Health Service Act (Public Law  
22 78–410) is amended—

23 (A) in section 301(a)(7) (42 U.S.C.  
24 241(a)(7)), by striking “sections 2353 and

1           2354” and inserting “sections 3861 and 4141”;  
2           and

3                   (B) in section 405(b)(1) (42 U.S.C.  
4           284(b)(1)), by striking “section 2354” and in-  
5           serting “section 3861”.

6           (2) Section 403(a) of the Housing Amendments  
7           of 1955 (42 U.S.C. 1594(a)) is amended by striking  
8           “section 3 of the Armed Services Procurement Act  
9           of 1947” and inserting “chapters 221 and 241 of  
10          title 10, United States Code”.

11           (3) Title II of the Department of Housing and  
12          Urban Development-Independent Agencies Appro-  
13          priations Act, 1986 (Public Law 99–160), is amend-  
14          ed by striking “section 2354” in the last proviso in  
15          the paragraph under the heading “National Science  
16          Foundation — Research and Related Activities” (42  
17          U.S.C. 1887) and inserting “section 3861”.

18           (4) Section 306(b)(2) of the Disaster Mitigation  
19          Act of 2000 (42 U.S.C. 5206(b)(2)) is amended by  
20          striking “section 2393(c)” and inserting “section  
21          4654(c)”.

22           (5) Section 801(c)(2) of the National Energy  
23          Conservation Policy Act (42 U.S.C. 8287) is amend-  
24          ed by striking “section 2304e(d)” and all that fol-  
25          lows and inserting “section 3406(d) of title 10,

1 United States Code, and section 4106(d) of title 41,  
2 United States Code.”.

3 (6) Section 3021(a) of the Energy Policy Act of  
4 1992 (42 U.S.C. 13556) is amended by striking  
5 “chapter 137 of title 10” and inserting “chapter  
6 137 legacy provisions (as such term is defined in  
7 section 3016 of title 10, United States Code)”.

8 (k) AMENDMENTS TO LAWS CLASSIFIED IN TITLE  
9 50, UNITED STATES CODE.—

10 (1) Section 141(a) of the Bob Stump National  
11 Defense Authorization Act for Fiscal Year 2003  
12 (Public Law 107–314; 50 U.S.C. 1521a(a)) is  
13 amended by striking “section 2430” and inserting  
14 “section 4201”.

15 (2) Section 502(a) of the National Emergencies  
16 Act (50 U.S.C. 1651(a)) is amended by striking  
17 paragraphs (1) through (5) and inserting the fol-  
18 lowing:

19 “(1) Chapters 1 to 11 of title 40, United States  
20 Code, and division C (except sections 3302, 3307(e),  
21 3501(b), 3509, 3906, 4710, and 4711) of subtitle I  
22 of title 41, United States Code.

23 “(2) Section 3727(a)–(e)(1) of title 31, United  
24 States Code.

1           “(3) Section 6305 of title 41, United States  
2 Code.

3           “(4) Public Law 85–804 (Act of Aug. 28, 1958,  
4 72 Stat. 972; 50 U.S.C. 1431 et seq.).

5           “(5) Section 3201(a) of title 10, United States  
6 Code.”.

7           (3) The Atomic Energy Defense Act is amended  
8 as follows:

9           (A) Sections 4217 and 4311 (50 U.S.C.  
10 2537, 2577) are each amended in subsection  
11 (a)(2) by striking “section 2432” and inserting  
12 “chapter 324”.

13           (B) Section 4813 (50 U.S.C. 2794) is  
14 amended by striking “section 2500” in sub-  
15 section (c)(1)(C) and inserting “section 4801”.

16           (4) Section 107 of the Defense Production Act  
17 (50 U.S.C. 4517) is amended in subsection  
18 (b)(2)(B) by striking clauses (i) and (ii) and insert-  
19 ing the following:

20           “(i) section 3203(a)(1)(B) or  
21 3204(a)(3) of title 10, United States Code;

22           “(ii) section 3303(a)(1)(B) or  
23 3304(a)(3) of title 41, United States Code;  
24 or”.

25           (l) OTHER AMENDMENTS.—

1           (1) Section 1473H of the National Agriculture  
2           Advanced Research, Extension, and Teaching Policy  
3           Act of 1977 (7 U.S.C. 3319k) is amended by strik-  
4           ing “section 2371” in subsections (b)(6)(A) and  
5           (d)(1)(B) and inserting “section 4002”.

6           (2) Section 1301 of title 17, United States  
7           Code, is amended in subsection (a)(3) by striking  
8           “section 2320” and inserting “subchapter I of chap-  
9           ter 275”.

10          (3) Section 21 of the Arms Export Control Act  
11          (22 U.S.C. 2761) is amended by striking “chapter  
12          137” in subsection (l)(4) and subsection (m)(4) and  
13          inserting “chapter 137 legacy provisions (as such  
14          term is defined in section 3016 of title 10, United  
15          States Code)”.

16          (4) Section 3 of the Foreign Direct Investment  
17          and International Financial Data Improvements Act  
18          of 1990 (Public Law 101–533; 22 U.S.C. 3142) is  
19          amended in subsection (c)(2) by striking “section  
20          2505” and inserting “section 4816”.

21          (5) Section 3553 of title 31, United States  
22          Code, is amended in subsection (d)(4)(B) by striking  
23          “section 2305(b)(5)(B)(vii)” and inserting “section  
24          3304(c)(7)”.

1           (6) Section 226 of the Water Resources Devel-  
2           opment Act of 1992 (33 U.S.C. 569f) is amended by  
3           striking “section 2393(c)” and inserting “section  
4           4654(e)”.

5           (7) Section 40728B(e) of title 36, United  
6           States Code, is amended—

7                   (A) striking “subsection (k) of section  
8                   2304” and inserting “section 3201(e)”; and

9                   (B) by striking “subsection (c) of such sec-  
10                  tion” and inserting “section 3204(a)”.

11           (8) Section 1427(b) of the National Defense  
12           Authorization Act for Fiscal Year 2004 (Public Law  
13           108–136; 40 U.S.C. 1103 note) is amended by strik-  
14           ing “sections 2304a and 2304b” and inserting “sec-  
15           tions 3403 and 3405”.

16           (9) Section 895(b) of the National Defense Au-  
17           thorization Act for Fiscal Year 2017 (Public Law  
18           114–328; 40 U.S.C. 11103 note) is amended by  
19           striking “section 2366a(d)(7)” and inserting “sec-  
20           tion 4251(d)(5)”.

21           (10) Sections 50113(c), 50115(b), and  
22           50132(a) of title 51, United States Code, are  
23           amended by striking “including chapters 137 and  
24           140” and inserting “including applicable provisions



1 of chapters 201 through 285, 341 through 343, and  
2 363”.

3 (11) Section 823(e)(3)(C) of the National Aero-  
4 nautics and Space Administration Transition Au-  
5 thorization Act of 2017 (Public Law 115–10; 51  
6 U.S.C. preceding 30301 note) is amended by strik-  
7 ing “section 2319” and inserting “section 3243”.

1                   **Subtitle B—Continuation of**  
2                   **Military Housing Reforms**

3   **SEC. 2811 [Log 73154]. APPLICABILITY OF WINDOW FALL**  
4                   **PREVENTION REQUIREMENTS TO ALL MILI-**  
5                   **TARY     FAMILY     HOUSING     WHETHER**  
6                   **PRIVATIZED OR GOVERNMENT-OWNED AND**  
7                   **GOVERNMENT-CONTROLLED.**

8           (a) TRANSFER OF WINDOW FALL PREVENTION SEC-  
9   TION TO MILITARY FAMILY HOUSING ADMINISTRATION  
10 SUBCHAPTER.—Section 2879 of title 10, United States  
11 Code—

12               (1) is transferred to appear after section 2856  
13   of such title; and

14               (2) is redesignated as section 2857.

15           (b) APPLICABILITY OF SECTION TO ALL MILITARY  
16 FAMILY HOUSING.—Section 2857 of title 10, United  
17 States Code, as transferred and redesignated by sub-  
18 section (a), is amended—

19               (1) in subsection (a)(1), by striking “acquired  
20   or constructed under this chapter”;

21               (2) in subsection (b)(1), by striking “acquired  
22   or constructed under this chapter”; and

23               (3) by adding at the end the following new sub-  
24   section:

1           “(e) APPLICABILITY TO ALL MILITARY FAMILY  
2 HOUSING.—This section applies to military family housing  
3 under the jurisdiction of the Department of Defense and  
4 military family housing acquired or constructed under  
5 subchapter IV of this chapter.”.

6           (c) IMPLEMENTATION PLAN.—In the report required  
7 to be submitted in 2022 pursuant to subsection (d) of sec-  
8 tion 2857 of title 10, United States Code, as transferred  
9 and redesignated by subsection (a) and amended by sub-  
10 section (b), the Secretary of Defense shall include a plan  
11 for implementation of the fall protection devices described  
12 in subsection (a)(3) of such section as required by such  
13 section.

14           (d) LIMITATION ON USE OF FUNDS PENDING SUB-  
15 MISSION OF OVERDUE REPORT.—Of the funds authorized  
16 to be appropriated by this Act or otherwise made available  
17 for fiscal year 2022 for the Office of the Assistant Sec-  
18 retary of Defense for Installations and Sustainment, not  
19 more than 50 percent may be obligated or expended until  
20 the date on which the Secretary of Defense certifies to  
21 the congressional defense committees that—

22           (1) the independent assessment required by sec-  
23 tion 2817(b) of the Military Construction Authoriza-  
24 tion Act of 2018 (division B of Public Law 115–91;  
25 131 Stat. 1852) has been initiated; and

1           (2) the Secretary expects the report containing  
2           the results of the assessment to be submitted to the  
3           congressional defense committees by September 1,  
4           2022.

1 **SEC. 2812 [Log 73049]. MODIFICATION OF MILITARY HOUS-**  
2 **ING TO ACCOMMODATE TENANTS WITH DIS-**  
3 **ABILITIES.**

4 Section 2891a(d)(11) of title 10, United States Code,  
5 is amended—

6 (1) by inserting “(A)” after “(11)”; and

7 (2) by adding at the end the following new sub-  
8 paragraph:

9 “(B) Once a landlord is informed of the disability of  
10 a tenant who has a disability (as such term is defined in  
11 section 3 of the Americans with Disabilities Act of 1990  
12 (42 U.S.C. 12102)) and who occupies or will occupy a  
13 housing unit provided by the landlord, the landlord is re-  
14 sponsible for modifying the housing unit as necessary to  
15 comply with standards under such Act (42 U.S.C. 12101  
16 et seq.) to facilitate occupancy of the housing unit by the  
17 tenant.”.

1 **SEC. 2833 [Log 73096]. CONGRESSIONAL OVERSIGHT OF**  
2 **MASTER PLANS FOR ARMY AMMUNITION**  
3 **PLANTS GUIDING FUTURE INFRASTRUCTURE,**  
4 **FACILITY, AND PRODUCTION EQUIPMENT IM-**  
5 **PROVEMENTS.**

6 (a) SUBMISSION OF MASTER PLAN.—Not later than  
7 March 31, 2022, the Secretary of the Army shall submit  
8 to the congressional defense committees the master plan  
9 for each of the five Government-owned, contractor-oper-  
10 ated Army ammunition plants developed to guide planning  
11 and budgeting for future infrastructure construction, facil-  
12 ity improvements, and production equipment needs at  
13 each Army ammunition plant.

14 (b) ELEMENTS OF MASTER PLAN.—To satisfy the  
15 requirements of subsection (a), a master plan submitted  
16 under such subsection must include the following:

17 (1) A description of all infrastructure construc-  
18 tion and facility improvements planned or being con-  
19 sidered for an Army ammunition plant and produc-  
20 tion equipment planned or being considered for in-  
21 stallation, modernization, or replacement.

22 (2) A description of the funding sources for  
23 such infrastructure construction, facility improve-  
24 ments, and production equipment, including author-  
25 ized military construction projects, appropriations  
26 available for operation and maintenance, and appro-

1        priations available for procurement of Army ammu-  
2        nition.

3            (3) An explanation of how the master plan for  
4        an Army ammunition plant will promote efficient, ef-  
5        fective, resilient, secure, and cost-effective produc-  
6        tion of ammunition and ammunition components for  
7        the Armed Forces.

8            (4) A description of how development of the  
9        master plan for an Army ammunition plant included  
10       input from the contractor operating the Army am-  
11       muniton plant and how implementation of that mas-  
12       ter plan will be coordinated with the contractor.

13        (c) ANNUAL UPDATES.—Not later than March 31,  
14        2023, and each March 31 thereafter through March 31,  
15        2026, the Secretary of the Army shall submit to the con-  
16        gressional defense committees a report containing the fol-  
17        lowing:

18            (1) A description of any revisions made to the  
19        master plans submitted under subsection (a) during  
20        the previous year.

21            (2) A description of any revisions to be made or  
22        being considered to the master plans.

23            (3) An explanation of the reasons for each revi-  
24        sion, whether made, to be made, or being considered.

1           (4) A description of the progress made in im-  
2           proving infrastructure, facility, and production  
3           equipment at the Army ammunition plants con-  
4           sistent with the master plans.

5           (d) DELEGATION AUTHORITY.—The Secretary of the  
6           Army shall carry out this section acting through the As-  
7           sistant Secretary of the Army for Acquisition, Logistics,  
8           and Technology.



1       **Subtitle A—National Security**  
2       **Programs and Authorizations**

3   **SEC. 3101.**[Log 73063] **NATIONAL NUCLEAR SECURITY AD-**  
4                                   **MINISTRATION.**

5       (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
6 are hereby authorized to be appropriated to the Depart-  
7 ment of Energy for fiscal year 2022 for the activities of  
8 the National Nuclear Security Administration in carrying  
9 out programs as specified in the funding table in section  
10 4701.

11       (b) **AUTHORIZATION OF NEW PLANT PROJECTS.**—  
12 From funds referred to in subsection (a) that are available  
13 for carrying out plant projects, the Secretary of Energy  
14 may carry out new plant projects for the National Nuclear  
15 Security Administration as follows:

16               Project 22–D–513, Power Sources Capability,  
17       Sandia National Laboratories, Albuquerque, New  
18       Mexico, \$13,827,000.

19               Project 22–D–514, Digital Infrastructure Capa-  
20       bility Expansion, Lawrence Livermore National Lab-  
21       oratory, Livermore, California, \$8,000,000.

22               Project 22–D–531, KL Chemistry and Radio-  
23       logical Health Building, Knolls Atomic Power Lab-  
24       oratory, Schenectady, New York, \$41,620,000.

1           Project 22–D–532, KL Security Upgrades,  
2           Knolls Atomic Power Laboratory, Schenectady, New  
3           York, \$5,100,000.

4           Shipping & Receiving (Exterior), Los Alamos  
5           National Laboratory, Los Alamos, New Mexico,  
6           \$9,700,00.

7           TCAP Restoration Column A, Savannah River  
8           Site, Aiken, South Carolina, \$4,700,000.

1 **SEC. 3102.[Log 73064] DEFENSE ENVIRONMENTAL CLEAN-**  
2 **UP.**

3 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
4 are hereby authorized to be appropriated to the Depart-  
5 ment of Energy for fiscal year 2022 for defense environ-  
6 mental cleanup activities in carrying out programs as  
7 specified in the funding table in section 4701.

8 (b) AUTHORIZATION OF NEW PLANT PROJECTS.—  
9 From funds referred to in subsection (a) that are available  
10 for carrying out plant projects, the Secretary of Energy  
11 may carry out, for defense environmental cleanup activi-  
12 ties, the following new plant project:

13 Project 22–D–401, 400 Area Fire Station, Hanford  
14 Site, Richland, Washington, \$15,200,000.

15 Project 22–D–402, 200 Area Water Treatment Facil-  
16 ity, Hanford Site, Richland, Washington, \$12,800,000.

17 Project 22–D–403, Idaho Spent Nuclear Fuel Stag-  
18 ing Facility, Idaho National Laboratory, Idaho Falls,  
19 Idaho, \$3,000,000.

20 Project 22–D–404, Additional ICDF Landfill Dis-  
21 posal Cell and Evaporation Ponds Project, Idaho National  
22 Laboratory, Idaho Falls, Idaho, \$5,000,000.

1 **SEC. 3103.[Log 73065] OTHER DEFENSE ACTIVITIES.**

2 Funds are hereby authorized to be appropriated to  
3 the Department of Energy for fiscal year 2022 for other  
4 defense activities in carrying out programs as specified in  
5 the funding table in section 4701.

1 **SEC. 3104.[Log 73066] NUCLEAR ENERGY.**

2 Funds are hereby authorized to be appropriated to  
3 the Department of Energy for fiscal year 2022 for nuclear  
4 energy as specified in the funding table in section 4701.

1 **SEC. 3112.[Log 73352] MODIFICATIONS TO CERTAIN RE-**  
2 **PORTING REQUIREMENTS.**

3 (a) NOTIFICATION OF EMPLOYEE PRACTICES AF-  
4 FECTING NATIONAL SECURITY.—Section 3245 of the Na-  
5 tional Nuclear Security Administration Act (50 U.S.C.  
6 2443) is amended by striking subsections (a) and (b) and  
7 inserting the following new subsections:

8 “(a) ANNUAL NOTIFICATION OF SECURITY CLEAR-  
9 ANCE REVOCATIONS.—At or about the time that the  
10 President’s budget is submitted to Congress under section  
11 1105(a) of title 31, United States Code, the Administrator  
12 shall notify the appropriate congressional committees of—

13 “(1) the number of covered employees whose se-  
14 curity clearance was revoked during the year prior  
15 to the year in which the notification is made; and

16 “(2) for each employee counted under para-  
17 graph (1), the length of time such employee has  
18 been employed at the Administration, as the case  
19 may be, since such revocation.

20 “(b) ANNUAL NOTIFICATION OF TERMINATIONS AND  
21 REMOVALS.—Not later than December 31 of each year,  
22 the Administrator shall notify the appropriate congres-  
23 sional committees of each instance in which the Adminis-  
24 trator terminated the employment of a covered employee  
25 or removed and reassigned a covered employee for cause  
26 during that year.”.

1 (b) PLAN FOR CONSTRUCTION AND OPERATION OF  
2 MOX FACILITY.—Section 4306 of the Atomic Energy De-  
3 fense Act (50 U.S.C. 2566) is amended—

4 (1) by striking subsections (a) and (b); and

5 (2) by redesignating subsections (c) through (h)  
6 as subsections (a) through (f), respectively.

7 (c) REPORTS ON CERTAIN TRANSFERS OF CIVIL NU-  
8 CLEAR TECHNOLOGY.—Section 3136 of the National De-  
9 fense Authorization Act for Fiscal Year 2016 (42 U.S.C.  
10 2077a) is amended—

11 (1) by striking subsection (a);

12 (2) by redesignating subsections (b) through (i)  
13 as subsections (a) through (h), respectively; and

14 (3) in subsection (b)(2), as so redesignated, by  
15 striking “each report under subsection (a) and”.

16 (d) CERTAIN ANNUAL REVIEWS BY NUCLEAR  
17 SCIENCE ADVISORY COMMITTEE.—Section 3173(a)(4)(B)  
18 of the National Defense Authorization Act for Fiscal Year  
19 2013 (42 U.S.C. 2065(a)(4)(B)) is amended by striking  
20 “annual reviews” and inserting “reviews during even-num-  
21 bered years”.

22 (e) CONFORMING AMENDMENT.—Section 161 n. of  
23 the Atomic Energy Act of 1954 (42 U.S.C. 2201(n)) is  
24 amended by striking “(as defined in section 3136(i) of the  
25 National Defense Authorization Act for Fiscal Year 2016

1 (42 U.S.C. 2077a(i))” and inserting “(as defined in sec-  
2 tion 3136(h) of the National Defense Authorization Act  
3 for Fiscal Year 2016 (42 U.S.C. 2077a(h))”.



1 **SEC. 3113.[Log 75352] PLUTONIUM PIT PRODUCTION CA-**  
2 **PACITY.**

3 (a) CERTIFICATIONS.—Section 4219 of the Atomic  
4 Energy Defense Act (50 U.S.C. 2538a) is amended by  
5 adding at the end the following new subsections:

6 “(d) CERTIFICATIONS ON PLUTONIUM ENTER-  
7 PRISE.—

8 “(1) REQUIREMENT.—Not later than 30 days  
9 after the date on which a covered project achieves a  
10 critical decision milestone, the Assistant Secretary  
11 for Environmental Management and the Deputy Ad-  
12 ministrator for Defense Programs shall jointly cer-  
13 tify to the congressional defense committees that the  
14 operations, infrastructure, and workforce of such  
15 project is adequate to carry out the delivery and dis-  
16 posal of planned waste shipments relating to the plu-  
17 tonium enterprise, as outlined in the critical decision  
18 memoranda of the Department of Energy with re-  
19 spect to such project.

20 “(2) FAILURE TO CERTIFY.—If the Assistant  
21 Secretary for Environmental Management and the  
22 Deputy Administrator for Defense Programs fail to  
23 make a certification under paragraph (1) by the  
24 date specified in such paragraph with respect to a  
25 covered project achieving a critical decision mile-  
26 stone, the Assistant Secretary and the Deputy Ad-

1 administrator shall jointly submit to the congressional  
2 defense committees, by not later than 30 days after  
3 such date, a plan to ensure that the operations, in-  
4 frastructure, and workforce of such project will be  
5 adequate to carry out the delivery and disposal of  
6 planned waste shipments described in such para-  
7 graph.

8 “(e) REPORTS.—

9 “(1) REQUIREMENT.—Not later than March 1  
10 of each year during the period beginning on the date  
11 on which the first covered project achieves critical  
12 decision 2 in the acquisition process and ending on  
13 the date on which the second project achieves critical  
14 decision 4 and begins operations, the Administrator  
15 for Nuclear Security shall submit to the congress-  
16 sional defense committees a report on the production  
17 goals of both covered projects during the first 10  
18 years of the operation of the projects.

19 “(2) ELEMENTS.—Each report under para-  
20 graph (1) shall include, with respect to the covered  
21 projects and the 10 years covered by the report—

22 “(A) the number of war reserve plutonium  
23 pits planned to be produced during each year,  
24 including the associated warhead type;

1           “(B) a description of risks and challenges  
2           to meeting the performance baseline for the  
3           projects, as approved in critical decision 2 in  
4           the acquisition process;

5           “(C) options available to the Administrator  
6           to balance scope, costs, and production require-  
7           ments at the projects to decrease overall risk to  
8           the plutonium enterprise and enduring pluto-  
9           nium pit requirements; and

10           “(D) an explanation of any changes to the  
11           production goals or requirements as compared  
12           to the report submitted during the previous  
13           year.

14           “(f) COVERED PROJECT DEFINED.—In this sub-  
15 section, the term ‘covered project’ means—

16           “(1) the Savannah River Plutonium Processing  
17           Facility, Savannah River Site, Aiken, South Carolina  
18           (Project 21–D– 511); or

19           “(2) the Plutonium Pit Production Project, Los  
20           Alamos National Laboratory, Los Alamos, New  
21           Mexico (Project 21– D–512).”.

22           (b) BRIEFING.—Not later than May 1, 2022, the Ad-  
23 ministrator for Nuclear Security and the Director for Cost  
24 Estimating and Program Evaluation shall jointly provide  
25 to the congressional defense committees a briefing on the

1 ability of the National Nuclear Security Administration to  
2 carry out the plutonium enterprise of the Administration,  
3 including with respect to the adequacy of the program  
4 management staff of the Administration to execute cov-  
5 ered projects (as defined in subsection (f) of section 4219  
6 of the Atomic Energy Defense Act (50 U.S.C. 2538a), as  
7 amended by subsection (a)).

1 **SEC. 3114.[Log 73345] REPORT ON RUNIT DOME AND RE-**  
2 **LATED HAZARDS.**

3 (a) REPORT.—

4 (1) AGREEMENT.—The Secretary of the Inte-  
5 rior shall seek to enter into an agreement with an  
6 entity to prepare a report on—

7 (A) the effects of climate change on the  
8 Runit Dome nuclear waste disposal site in  
9 Enewetak Atoll, Marshall Islands; and

10 (B) other environmental hazards created  
11 by the United States relating to nuclear bomb  
12 and other weapons testing in the vicinity of  
13 Enewetak Atoll.

14 (2) INDEPENDENT ENTITY.—The Secretary  
15 shall select an entity under paragraph (1) that is not  
16 part of the Federal Government.

17 (b) MATTERS INCLUDED.—The report under sub-  
18 section (a) shall include the following:

19 (1) A detailed scientific analysis of any threats  
20 to the environment, and to the health and safety, of  
21 the residents of Enewetak Atoll posed by each of—

22 (A) the Runit Dome nuclear waste disposal  
23 site;

24 (B) crypts used to contain nuclear waste  
25 and other toxins on Enewetak Atoll;

1 (C) radionuclides and other toxins present  
2 in the lagoon of Enewetak Atoll, including areas  
3 in the lagoon where nuclear waste was dumped;

4 (D) radionuclides and other toxins, includ-  
5 ing beryllium, which may be present on the is-  
6 lands of Enewetak Atoll as a result of nuclear  
7 tests and other activities of the Federal Govern-  
8 ment, including tests of chemical and biological  
9 warfare agents, rocket tests, contaminated air-  
10 craft landing on Enewetak Island, and nuclear  
11 cleanup activities;

12 (E) radionuclides and other toxins that  
13 may be present in the drinking water on  
14 Enewetak Island or in the water source for the  
15 desalination plant; and

16 (F) radionuclides and other toxins that  
17 may be present in the groundwater under and  
18 in the vicinity of the Runit Dome nuclear waste  
19 disposal site.

20 (2) A detailed scientific analysis of the extent to  
21 which rising sea levels, severe weather events, and  
22 other effects of climate change might exacerbate any  
23 of the threats identified under paragraph (1).

1           (3) A detailed plan, including costs, to relocate  
2           all of the nuclear waste and other toxic waste con-  
3           tained in—

4                   (A) the Runit Dome nuclear waste disposal  
5                   site;

6                   (B) all of the crypts on Enewetak Atoll  
7                   containing such waste; and

8                   (C) the three dumping areas in Enewetak's  
9                   lagoon to a safe, secure facility to be con-  
10                  structed in an uninhabited, unincorporated ter-  
11                  ritory of the United States.

12           (c) MARSHALLESE PARTICIPATION.—The Secretary  
13 shall ensure that scientists or other experts selected by  
14 the Government of the Marshall Islands are able to par-  
15 ticipate in all aspects of the preparation of the report  
16 under subsection (a), including, at a minimum, with re-  
17 spect to developing the work plan, identifying questions,  
18 conducting research, and collecting and interpreting data.

19           (d) SUBMISSION AND PUBLICATION.—

20                   (1) FEDERAL REGISTER.—The Secretary shall  
21                   publish the report under subsection (a) in the Fed-  
22                   eral Register for public comment for a period of not  
23                   fewer than 60 days.

24                   (2) CONGRESS.—Not later than one year after  
25                   the date of the enactment of this Act, the Secretary

1 shall submit to Congress the report under subsection  
2 (a).

3 (3) PUBLIC AVAILABILITY.—The Secretary  
4 shall publish on a publicly available internet website  
5 the report under subsection (a) and the results of  
6 the public comments pursuant to paragraph (1).



1 **SEC. 3201.[Log 73070] AUTHORIZATION.**

2       There are authorized to be appropriated for fiscal  
3 year 2022, \$31,000,000 for the operation of the Defense  
4 Nuclear Facilities Safety Board under chapter 21 of the  
5 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

1                   **Subtitle B—Other Matters**

2   **SEC. 3511[Log 73437]. EFFECTIVE PERIOD FOR ISSUANCE OF**  
3                   **DOCUMENTATION FOR RECREATIONAL VES-**  
4                   **SELS.**

5           Section 12105(e)(2) of title 46, United States Code,  
6 is amended—

7           (1) by striking subparagraphs (A) and (B) and  
8 inserting the following:

9                   “(A) IN GENERAL.—The owner or operator  
10                   of a recreational vessel may choose a period of  
11                   effectiveness of between 1 and 5 years for a cer-  
12                   tificate of documentation for a recreational ves-  
13                   sel or the renewal thereof.”; and

14           (2) by redesignating subparagraph (C) as sub-  
15           paragraph (B).

1 **SEC. 4001 [Log 73245]. AUTHORIZATION OF AMOUNTS IN**  
2 **FUNDING TABLES.**

3 (a) AUTHORIZATION.—Whenever a funding table in  
4 this division specifies a dollar amount authorized for a  
5 project, program, or activity, the obligation and expendi-  
6 ture of the specified dollar amount for the project, pro-  
7 gram, or activity is hereby authorized, subject to the avail-  
8 ability of appropriations.

9 (b) MERIT-BASED DECISIONS.—

10 (1) IN GENERAL.—A decision to commit, obli-  
11 gate, or expend funds with or to a specific entity on  
12 the basis of a dollar amount authorized pursuant to  
13 subsection (a) shall—

14 (A) except as provided in paragraph (2),  
15 be based on merit-based selection procedures in  
16 accordance with the requirements of sections  
17 2304(k) and 2374 of title 10, United States  
18 Code, or on competitive procedures; and

19 (B) comply with other applicable provisions  
20 of law.

21 (2) EXCEPTION.—Paragraph (1)(A) does not  
22 apply to a decision to commit, obligate, or expend  
23 funds on the basis of a dollar amount authorized

1       pursuant to subsection (a) if the project or activity  
2       is—

3               (A) listed in section 4201; and

4               (B) identified as Community Project  
5       Funding through the inclusion of the abbrevia-  
6       tion “CPF” immediately before the name of the  
7       project or activity.

8       (c) RELATIONSHIP TO TRANSFER AND PROGRAM-  
9       MING AUTHORITY.—An amount specified in the funding  
10      tables in this division may be transferred or repro-  
11      grammed under a transfer or reprogramming authority  
12      provided by another provision of this Act or by other law.  
13      The transfer or reprogramming of an amount specified in  
14      such funding tables shall not count against a ceiling on  
15      such transfers or reprogrammings under section 1001 or  
16      section 1512 of this Act or any other provision of law,  
17      unless such transfer or reprogramming would move funds  
18      between appropriation accounts.

19      (d) APPLICABILITY TO CLASSIFIED ANNEX.—This  
20      section applies to any classified annex that accompanies  
21      this Act.

22      (e) ORAL AND WRITTEN COMMUNICATIONS.—No  
23      oral or written communication concerning any amount  
24      specified in the funding tables in this division shall super-  
25      sede the requirements of this section.

1 **TITLE XLI—PROCUREMENT**

2 **SEC. 4101. PROCUREMENT.**

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
001	UTILITY F/W AIRCRAFT .....		6,000
	Avionics upgrade .....		[6,000]
004	SMALL UNMANNED AIRCRAFT SYSTEM .....	16,005	16,005
<b>ROTARY</b>			
007	AH-64 APACHE BLOCK IIIA REMAN .....	504,136	494,136
	Unit cost growth .....		[-10,000]
008	AH-64 APACHE BLOCK IIIA REMAN .....	192,230	192,230
010	UH-60 BLACKHAWK M MODEL (MYP) .....	630,263	582,263
	Unit cost growth .....		[-48,000]
011	UH-60 BLACKHAWK M MODEL (MYP) .....	146,068	146,068
012	UH-60 BLACK HAWK L AND V MODELS .....	166,205	166,205
013	CH-47 HELICOPTER .....	145,218	286,118
	Program increase—F Block II Army UPL .....		[140,900]
014	CH-47 HELICOPTER .....	18,559	47,559
	Program increase—F Block II .....		[29,000]
<b>MODIFICATION OF AIRCRAFT</b>			
017	GRAY EAGLE MODS2 .....	3,143	33,143
	Recapitalization of MQ-1 aircraft to extended range Multi Domain Operations configuration .....		[30,000]
018	MULTI SENSOR ABN RECON .....	127,665	115,910
	ABN ISR Mods—insufficient justification .....		[-4,000]
	ARL Payloads—MEP SIL reduction .....		[-3,000]
	Unjustified cost—spares .....		[-4,755]
019	AH-64 MODS .....	118,560	113,560
	Unjustified cost—Spike NLOS integration .....		[-5,000]
020	CH-47 CARGO HELICOPTER MODS (MYP) .....	9,918	9,918
021	GRCS SEMA MODS .....	2,762	2,762
022	ARL SEMA MODS .....	9,437	9,437
023	EMARSS SEMA MODS .....	1,568	1,568
024	UTILITY/CARGO AIRPLANE MODS .....	8,530	8,530
025	UTILITY HELICOPTER MODS .....	15,826	15,826
026	NETWORK AND MISSION PLAN .....	29,206	29,206
027	COMMS, NAV SURVEILLANCE .....	58,117	58,117
029	AVIATION ASSURED PNT .....	47,028	45,862
	Excess to need .....		[-1,166]
030	GATM ROLLUP .....	16,776	16,776
032	UAS MODS .....	3,840	3,840
<b>GROUND SUPPORT AVIONICS</b>			
033	AIRCRAFT SURVIVABILITY EQUIPMENT .....	64,561	64,561
034	SURVIVABILITY CM .....	5,104	5,104
035	CMWS .....	148,570	148,570
036	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	240,412	240,412
<b>OTHER SUPPORT</b>			
038	COMMON GROUND EQUIPMENT .....	13,561	13,561
039	AIRCREW INTEGRATED SYSTEMS .....	41,425	41,425
040	AIR TRAFFIC CONTROL .....	21,759	21,759
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>2,806,452</b>	<b>2,936,431</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
002	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SEN .....	35,473	35,473
003	M-SHORAD—PROCUREMENT .....	331,575	331,575
004	MSE MISSILE .....	776,696	776,696
005	PRECISION STRIKE MISSILE (PRSM) .....	166,130	166,130
006	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	25,253	20,253
	Maintain level of effort .....		[-5,000]
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>			
007	HELLFIRE SYS SUMMARY .....	118,800	115,800
	Unit cost growth .....		[-3,000]
008	JOINT AIR-TO-GROUND MSLS (JAGM) .....	152,177	147,177
	Unit cost growth .....		[-5,000]
009	LONG RANGE PRECISION MUNITION .....	44,744	40,744
	Early to need .....		[-4,000]
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>			
010	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	120,842	115,842
	Early to need .....		[-5,000]
011	TOW 2 SYSTEM SUMMARY .....	104,412	102,412
	Excess to need .....		[-2,000]
012	GUIDED MLRS ROCKET (GMLRS) .....	935,917	905,917
	Previously funded .....		[-30,000]

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
013	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	29,574	29,574
014	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) .....	128,438	128,438
016	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) .....	68,278	68,278
	<b>MODIFICATIONS</b>		
017	PATRIOT MODS .....	205,469	205,469
021	AVENGER MODS .....	11,227	11,227
022	ITAS/TOW MODS .....	4,561	4,561
023	MLRS MODS .....	273,856	273,856
024	HIMARS MODIFICATIONS .....	7,192	7,192
	<b>SPARES AND REPAIR PARTS</b>		
025	SPARES AND REPAIR PARTS .....	5,019	5,019
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
026	AIR DEFENSE TARGETS .....	10,618	10,618
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>3,556,251</b>	<b>3,502,251</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
001	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	104,727	104,727
002	ASSAULT BREACHER VEHICLE (ABV) .....	16,454	16,454
003	MOBILE PROTECTED FIREPOWER .....	286,977	286,977
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
005	STRYKER UPGRADE .....	1,005,028	981,028
	Excess growth .....		[-24,000]
006	BRADLEY PROGRAM (MOD) .....	461,385	507,735
	Program increase .....		[46,350]
007	M109 FOV MODIFICATIONS .....	2,534	2,534
008	PALADIN INTEGRATED MANAGEMENT (PIM) .....	446,430	595,915
	Program increase Army UPL .....		[149,485]
009	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	52,059	52,059
010	ASSAULT BRIDGE (MOD) .....	2,136	2,136
013	JOINT ASSAULT BRIDGE .....	110,773	106,773
	Cost growth .....		[-4,000]
015	ABRAMS UPGRADE PROGRAM .....	981,337	1,115,880
	Excess carryover .....		[-40,457]
	Program increase .....		[175,000]
016	VEHICLE PROTECTION SYSTEMS (VPS) .....	80,286	80,286
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>		
018	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S .....	31,623	31,623
019	MORTAR SYSTEMS .....	37,485	37,485
020	XM320 GRENADE LAUNCHER MODULE (GLM) .....	8,666	8,666
021	PRECISION SNIPER RIFLE .....	11,040	11,040
023	CARBINE .....	4,434	4,434
024	NEXT GENERATION SQUAD WEAPON .....	97,087	97,087
026	HANDGUN .....	4,930	4,930
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>		
027	MK-19 GRENADE MACHINE GUN MODS .....	13,027	13,027
028	M777 MODS .....	21,976	21,976
030	M2 50 CAL MACHINE GUN MODS .....	3,612	3,612
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
036	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	1,068	1,068
037	PRODUCTION BASE SUPPORT (WOCV-WTCV) .....	90,819	90,819
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b> .....	<b>3,875,893</b>	<b>4,178,271</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>		
	<b>SMALL/MEDIUM CAL AMMUNITION</b>		
001	CTG, 5.56MM, ALL TYPES .....	47,490	63,970
	Program increase .....		[16,480]
002	CTG, 7.62MM, ALL TYPES .....	74,870	103,343
	Program increase .....		[28,473]
003	NEXT GENERATION SQUAD WEAPON AMMUNITION .....	76,794	76,794
004	CTG, HANDGUN, ALL TYPES .....	7,812	7,812
005	CTG, .50 CAL, ALL TYPES .....	29,716	58,116
	Program increase .....		[28,400]
006	CTG, 20MM, ALL TYPES .....	4,371	4,371
008	CTG, 30MM, ALL TYPES .....	34,511	34,511
009	CTG, 40MM, ALL TYPES .....	35,231	35,231
	<b>MORTAR AMMUNITION</b>		
010	60MM MORTAR, ALL TYPES .....	23,219	23,219
011	81MM MORTAR, ALL TYPES .....	52,135	52,135
012	120MM MORTAR, ALL TYPES .....	104,144	104,144
	<b>TANK AMMUNITION</b>		
013	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....	224,503	218,503
	Early to need .....		[-6,000]
	<b>ARTILLERY AMMUNITION</b>		
014	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES .....	26,709	23,909
	Prior-year carryover .....		[-2,800]
015	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	174,015	148,015
	Prior-year carryover .....		[-26,000]

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
016	PROJ 155MM EXTENDED RANGE M982 .....	73,498	61,498
	Unit cost growth .....		[-12,000]
017	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	150,873	150,873
<b>MINES</b>			
018	MINES & CLEARING CHARGES, ALL TYPES .....	25,980	20,980
	Excess to need .....		[-5,000]
019	CLOSE TERRAIN SHAPING OBSTACLE .....	34,761	29,761
	Contract Delay .....		[-5,000]
<b>ROCKETS</b>			
020	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	24,408	22,408
	Excess to need .....		[-2,000]
021	ROCKET, HYDRA 70, ALL TYPES .....	109,536	119,536
	Program increase .....		[10,000]
<b>OTHER AMMUNITION</b>			
022	CAD/PAD, ALL TYPES .....	6,549	6,549
023	DEMOLITION MUNITIONS, ALL TYPES .....	27,904	27,904
024	GRENADES, ALL TYPES .....	37,437	37,437
025	SIGNALS, ALL TYPES .....	7,530	7,530
026	SIMULATORS, ALL TYPES .....	8,350	8,350
027	REACTIVE ARMOR TILES .....	17,755	17,755
<b>MISCELLANEOUS</b>			
028	AMMO COMPONENTS, ALL TYPES .....	2,784	2,784
029	ITEMS LESS THAN \$5 MILLION (AMMO) .....	17,797	17,797
030	AMMUNITION PECULIAR EQUIPMENT .....	12,290	12,290
031	FIRST DESTINATION TRANSPORTATION (AMMO) .....	4,331	4,331
032	CLOSEOUT LIABILITIES .....	99	99
<b>PRODUCTION BASE SUPPORT</b>			
034	INDUSTRIAL FACILITIES .....	538,120	538,120
035	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	139,410	232,410
	Program increase .....		[93,000]
036	ARMS INITIATIVE .....	3,178	3,178
<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....		<b>2,158,110</b>	<b>2,275,663</b>
<b>OTHER PROCUREMENT, ARMY</b>			
<b>TACTICAL VEHICLES</b>			
002	SEMITRAILERS, FLATBED: .....	12,539	12,539
003	SEMITRAILERS, TANKERS .....	17,985	17,985
004	HI MOB MULTI-PURP WHLD VEH (HMMWV) .....	60,706	60,706
005	GROUND MOBILITY VEHICLES (GMV) .....	29,807	44,807
	Program increase for ISV .....		[15,000]
008	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL .....	574,562	485,562
	Early to need .....		[-89,000]
009	TRUCK, DUMP, 20T (CCE) .....	9,882	19,382
	Program increase .....		[9,500]
010	FAMILY OF MEDIUM TACTICAL VEH (FMTV) .....	36,885	76,885
	Program Increase .....		[40,000]
011	FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C .....	16,450	13,823
	Cost growth .....		[-2,627]
012	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP .....	26,256	26,256
013	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	64,282	64,282
014	PLS ESP .....	16,943	16,943
015	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....		109,000
	Program increase .....		[109,000]
017	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	17,957	17,957
018	MODIFICATION OF IN SVC EQUIP .....	29,349	29,349
<b>NON-TACTICAL VEHICLES</b>			
020	PASSENGER CARRYING VEHICLES .....	1,232	1,232
021	NONTACTICAL VEHICLES, OTHER .....	24,246	19,246
	Excess carryover .....		[-5,000]
<b>COMM—JOINT COMMUNICATIONS</b>			
022	SIGNAL MODERNIZATION PROGRAM .....	140,036	140,036
023	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....	436,524	429,024
	Excess to need .....		[-7,500]
025	DISASTER INCIDENT RESPONSE COMMS TERMINAL (DI .....	3,863	3,863
026	JCSE EQUIPMENT (USRDECOM) .....	4,845	4,845
<b>COMM—SATELLITE COMMUNICATIONS</b>			
029	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....	97,369	97,369
030	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	120,550	115,550
	Early to need .....		[-5,000]
031	SHF TERM .....	38,129	38,129
032	ASSURED POSITIONING, NAVIGATION AND TIMING .....	115,291	112,791
	Excess to need .....		[-2,500]
033	SMART-T (SPACE) .....	15,407	15,407
034	GLOBAL BRDCST SVC—GBS .....	2,763	2,763
<b>COMM—C3 SYSTEM</b>			
037	COE TACTICAL SERVER INFRASTRUCTURE (TSD) .....	99,858	99,858
<b>COMM—COMBAT COMMUNICATIONS</b>			
038	HANDHELD MANPACK SMALL FORM FIT (HMS) .....	775,069	730,069

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
	Cost deviation .....		[-5,000]
	Single Channel Data Radio program decrease .....		[-35,000]
	Support cost excess to need .....		[-5,000]
040	ARMY LINK 16 SYSTEMS .....	17,749	17,749
042	UNIFIED COMMAND SUITE .....	17,984	17,984
043	COTS COMMUNICATIONS EQUIPMENT .....	191,702	185,702
	Unit cost growth .....		[-6,000]
044	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	15,957	15,957
045	ARMY COMMUNICATIONS & ELECTRONICS .....	89,441	79,441
	Insufficient justification .....		[-10,000]
<b>COMM—INTELLIGENCE COMM</b>			
047	CI AUTOMATION ARCHITECTURE-INTEL .....	13,317	13,317
048	DEFENSE MILITARY DECEPTION INITIATIVE .....	5,207	5,207
049	MULTI-DOMAIN INTELLIGENCE .....	20,095	20,095
<b>INFORMATION SECURITY</b>			
051	INFORMATION SYSTEM SECURITY PROGRAM-ISSP .....	987	987
052	COMMUNICATIONS SECURITY (COMSEC) .....	126,273	126,273
053	DEFENSIVE CYBER OPERATIONS .....	27,389	31,489
	Cybersecurity/ IT network mapping .....		[4,100]
056	SIO CAPABILITY .....	21,303	21,303
057	BIOMETRIC ENABLING CAPABILITY (BEC) .....	914	914
<b>COMM—LONG HAUL COMMUNICATIONS</b>			
059	BASE SUPPORT COMMUNICATIONS .....	9,209	9,209
<b>COMM—BASE COMMUNICATIONS</b>			
060	INFORMATION SYSTEMS .....	219,026	219,026
061	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	4,875	4,875
064	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	223,001	223,001
<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>			
067	JTT/CIBS-M .....	5,463	5,463
068	TERRESTRIAL LAYER SYSTEMS (TLS) .....	39,240	39,240
070	DCGS-A-INTEL .....	92,613	87,613
	Program decrease .....		[-5,000]
071	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL .....	8,088	8,088
072	TROJAN .....	30,828	30,828
073	MOD OF IN-SVC EQUIP (INTEL SPT) .....	39,039	39,039
074	BIOMETRIC TACTICAL COLLECTION DEVICES .....	11,097	11,097
<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>			
076	EW PLANNING & MANAGEMENT TOOLS (EWPMT) .....	783	783
077	AIR VIGILANCE (AV) .....	13,486	10,986
	Program decrease .....		[-2,500]
079	FAMILY OF PERSISTENT SURVEILLANCE CAP. ....	14,414	14,414
080	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	19,111	19,111
081	CI MODERNIZATION .....	421	421
<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>			
082	SENTINEL MODS .....	47,642	47,642
083	NIGHT VISION DEVICES .....	1,092,341	828,875
	IVAS program delay .....		[-213,466]
	Transfer to RDT&E, Army line 98 .....		[-50,000]
084	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	21,103	21,103
085	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	6,153	6,153
086	FAMILY OF WEAPON SIGHTS (FWS) .....	184,145	184,145
087	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE .....	2,371	2,371
088	FORWARD LOOKING INFRARED (IFLIR) .....	11,929	11,929
089	COUNTER SMALL UNMANNED AERIAL SYSTEM (C-SUAS) .....	60,058	60,058
090	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	263,661	259,661
	Excess carryover .....		[-4,000]
091	JOINT EFFECTS TARGETING SYSTEM (JETS) .....	62,082	62,082
093	COMPUTER BALLISTICS: LHMCB XM32 .....	2,811	2,811
094	MORTAR FIRE CONTROL SYSTEM .....	17,236	17,236
095	MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS .....	2,830	2,830
096	COUNTERFIRE RADARS .....	31,694	26,694
	Excess to need .....		[-5,000]
<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>			
097	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE ( .....	49,410	49,410
098	FIRE SUPPORT C2 FAMILY .....	9,853	9,853
099	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	67,193	67,193
100	LAMD BATTLE COMMAND SYSTEM .....	301,872	291,872
	Excess costs previously funded .....		[-10,000]
101	LIFE CYCLE SOFTWARE SUPPORT (LCSS) .....	5,182	5,182
102	NETWORK MANAGEMENT INITIALIZATION AND SERVICE .....	31,349	31,349
104	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) .....	11,271	11,271
105	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP) .....	16,077	16,077
107	MOD OF IN-SVC EQUIPMENT (ENFIRE) .....	3,160	9,160
	GPS laser survey equipment .....		[6,000]
<b>ELECT EQUIP—AUTOMATION</b>			
108	ARMY TRAINING MODERNIZATION .....	9,833	9,833
109	AUTOMATED DATA PROCESSING EQUIP .....	130,924	130,924
110	ACCESSIONS INFORMATION ENVIRONMENT (AIE) .....	44,635	39,635



<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	Program decrease .....		[-5,000]
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM .....	1,452	1,452
112	HIGH PERF COMPUTING MOD PGM (HPCMP) .....	69,943	69,943
113	CONTRACT WRITING SYSTEM .....	16,957	16,957
114	CSS COMMUNICATIONS .....	73,110	73,110
115	RESERVE COMPONENT AUTOMATION SYS (RCAS) .....	12,905	12,905
	<b>ELECT EQUIP—SUPPORT</b>		
117	BCT EMERGING TECHNOLOGIES .....	13,835	13,835
	<b>CLASSIFIED PROGRAMS</b>		
117A	CLASSIFIED PROGRAMS .....	18,304	18,304
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
119	BASE DEFENSE SYSTEMS (BDS) .....	62,295	62,295
120	CBRN DEFENSE .....	55,632	55,632
	<b>BRIDGING EQUIPMENT</b>		
122	TACTICAL BRIDGING .....	9,625	9,625
123	TACTICAL BRIDGE, FLOAT-RIBBON .....	76,082	76,082
124	BRIDGE SUPPLEMENTAL SET .....	19,867	6,867
	Excess carryover .....		[-13,000]
125	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....	109,796	99,339
	Cost growth .....		[-10,457]
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
126	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST .....	5,628	5,628
128	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....	26,823	26,823
131	ROBOTICS AND APPLIQUE SYSTEMS .....	124,233	114,233
	Excess carryover CRS-I .....		[-10,000]
132	RENDER SAFE SETS KITS OUTFITS .....	84,000	84,000
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
134	HEATERS AND ECU'S .....	7,116	5,116
	Contract delay .....		[-2,000]
135	SOLDIER ENHANCEMENT .....	1,286	7,786
	Program increase .....		[6,500]
136	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	9,741	9,741
137	GROUND SOLDIER SYSTEM .....	150,244	150,244
138	MOBILE SOLDIER POWER .....	17,815	17,815
139	FORCE PROVIDER .....	28,860	28,860
140	FIELD FEEDING EQUIPMENT .....	2,321	2,321
141	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	40,240	40,240
142	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	36,163	36,163
	<b>PETROLEUM EQUIPMENT</b>		
144	QUALITY SURVEILLANCE EQUIPMENT .....	744	744
145	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	72,296	61,237
	Excess to need .....		[-11,059]
	<b>MEDICAL EQUIPMENT</b>		
146	COMBAT SUPPORT MEDICAL .....	122,145	122,145
	<b>MAINTENANCE EQUIPMENT</b>		
147	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	14,756	12,856
	Excess carryover .....		[-1,900]
	<b>CONSTRUCTION EQUIPMENT</b>		
154	ALL TERRAIN CRANES .....	112,784	107,784
	Cost savings .....		[-5,000]
156	CONST EQUIP ESP .....	8,694	8,694
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
158	ARMY WATERCRAFT ESP .....	44,409	44,409
159	MANEUVER SUPPORT VESSEL (MSV) .....	76,660	76,660
	<b>GENERATORS</b>		
161	GENERATORS AND ASSOCIATED EQUIP .....	47,606	47,606
162	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	10,500	10,500
	<b>MATERIAL HANDLING EQUIPMENT</b>		
163	FAMILY OF FORKLIFTS .....	13,325	13,325
	<b>TRAINING EQUIPMENT</b>		
164	COMBAT TRAINING CENTERS SUPPORT .....	79,565	79,565
165	TRAINING DEVICES, NONSYSTEM .....	174,644	174,644
166	SYNTHETIC TRAINING ENVIRONMENT (STE) .....	122,104	122,104
168	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	11,642	10,642
	Excess carryover .....		[-1,000]
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
170	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	42,934	42,934
172	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	24,304	24,304
	<b>OTHER SUPPORT EQUIPMENT</b>		
174	PHYSICAL SECURITY SYSTEMS (OPA3) .....	86,930	86,930
175	BASE LEVEL COMMON EQUIPMENT .....	27,823	27,823
176	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	32,392	32,392
177	BUILDING, PRE-FAB, RELOCATABLE .....	32,227	32,227
179	SPECIAL EQUIPMENT FOR TEST AND EVALUATION .....	76,917	70,917
	Program decrease .....		[-6,000]
	<b>OPA2</b>		
180	INITIAL SPARES—C&E .....	9,272	9,272
	<b>TOTAL OTHER PROCUREMENT, ARMY</b>	<b>8,873,558</b>	<b>8,535,649</b>

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>AIRCRAFT PROCUREMENT, NAVY</b>			
<b>COMBAT AIRCRAFT</b>			
001	F/A-18E/F (FIGHTER) HORNET .....	87,832	1,047,161
	Aircraft increase .....		[970,000]
	Production line shutdown .....		[-10,671]
003	JOINT STRIKE FIGHTER CV .....	2,111,009	2,047,709
	Target cost savings .....		[-63,300]
004	JOINT STRIKE FIGHTER CV .....	246,781	246,781
005	JSF STOVL .....	2,256,829	2,189,129
	Target cost savings .....		[-67,700]
006	JSF STOVL .....	216,720	216,720
007	CH-53K (HEAVY LIFT) .....	1,286,296	1,256,514
	Excess to need—Pub/tech data .....		[-14,782]
	Unjustified growth—NRE production capacity .....		[-15,000]
008	CH-53K (HEAVY LIFT) .....	182,871	182,871
009	V-22 (MEDIUM LIFT) .....	751,716	1,001,716
	3 additional CMV-22 (Navy UPL) .....		[250,000]
011	H-1 UPGRADES (UH-1Y/AH-1Z) .....	939	939
013	P-8A POSEIDON .....	44,595	384,595
	Two additional aircraft .....		[340,000]
014	E-2D ADV HAWKEYE .....	766,788	766,788
015	E-2D ADV HAWKEYE .....	118,095	118,095
<b>TRAINER AIRCRAFT</b>			
016	ADVANCED HELICOPTER TRAINING SYSTEM .....	163,490	163,490
<b>OTHER AIRCRAFT</b>			
017	KC-130J .....	520,787	520,787
018	KC-130J .....	68,088	68,088
021	MQ-4 TRITON .....	160,151	351,151
	One additional aircraft .....		[191,000]
023	MQ-8 UAV .....	49,249	49,249
024	STUASLO UAV .....	13,151	13,151
025	MQ-25 .....	47,468	47,468
027	MARINE GROUP 5 UAS .....	233,686	233,686
<b>MODIFICATION OF AIRCRAFT</b>			
030	F-18 A-D UNIQUE .....	163,095	163,095
031	F-18E/F AND EA-18G MODERNIZATION AND SUSTAINM .....	482,899	482,899
032	MARINE GROUP 5 UAS SERIES .....	1,982	1,982
033	AEA SYSTEMS .....	23,296	20,221
	Excess support costs .....		[-3,075]
034	AV-8 SERIES .....	17,882	17,882
035	INFRARED SEARCH AND TRACK (IRST) .....	138,827	138,827
036	ADVERSARY .....	143,571	143,571
037	F-18 SERIES .....	327,571	327,571
038	H-53 SERIES .....	112,436	109,136
	Excess to need .....		[-3,300]
039	MH-60 SERIES .....	94,794	94,794
040	H-1 SERIES .....	124,194	118,857
	Excess to need .....		[-5,337]
041	EP-3 SERIES .....	28,848	28,848
042	E-2 SERIES .....	204,826	204,826
043	TRAINER A/C SERIES .....	7,849	7,849
044	C-2A .....	2,843	2,843
045	C-130 SERIES .....	145,610	145,610
046	FEWSG .....	734	734
047	CARGO/TRANSPORT A/C SERIES .....	10,682	10,682
048	E-6 SERIES .....	128,029	128,029
049	EXECUTIVE HELICOPTERS SERIES .....	45,326	45,326
051	T-45 SERIES .....	158,772	158,772
052	POWER PLANT CHANGES .....	24,915	24,915
053	JPATS SERIES .....	22,955	22,955
054	AVIATION LIFE SUPPORT MODS .....	2,477	2,477
055	COMMON ECM EQUIPMENT .....	119,574	119,574
056	COMMON AVIONICS CHANGES .....	118,839	118,839
057	COMMON DEFENSIVE WEAPON SYSTEM .....	5,476	5,476
058	ID SYSTEMS .....	13,154	13,154
059	P-8 SERIES .....	131,298	131,298
060	MAGTF EW FOR AVIATION .....	29,151	29,151
061	MQ-8 SERIES .....	31,624	31,624
062	V-22 (TILT/ROTOR ACFT) OSPREY .....	312,835	312,835
063	NEXT GENERATION JAMMER (NGJ) .....	266,676	266,676
064	F-35 STOVL SERIES .....	177,054	168,154
	TR-3/B4 Delay .....		[-8,900]
065	F-35 CV SERIES .....	138,269	131,369
	TR-3/B4 Delay .....		[-6,900]
066	QRC .....	98,563	98,563
067	MQ-4 SERIES .....	7,100	7,100
068	RQ-21 SERIES .....	14,123	14,123

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
<b>AIRCRAFT SPARES AND REPAIR PARTS</b>			
072	SPARES AND REPAIR PARTS .....	2,339,077	2,339,077
<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>			
073	COMMON GROUND EQUIPMENT .....	517,267	517,267
074	AIRCRAFT INDUSTRIAL FACILITIES .....	80,500	80,500
075	WAR CONSUMABLES .....	42,496	42,496
076	OTHER PRODUCTION CHARGES .....	21,374	21,374
077	SPECIAL SUPPORT EQUIPMENT .....	271,774	271,774
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY .....</b>	<b>16,477,178</b>	<b>18,029,213</b>
<b>WEAPONS PROCUREMENT, NAVY</b>			
<b>MODIFICATION OF MISSILES</b>			
001	TRIDENT II MODS .....	1,144,446	1,144,446
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
002	MISSILE INDUSTRIAL FACILITIES .....	7,319	7,319
<b>STRATEGIC MISSILES</b>			
003	TOMAHAWK .....	124,513	124,513
<b>TACTICAL MISSILES</b>			
005	SIDEWINDER .....	86,366	86,366
006	STANDARD MISSILE .....	521,814	521,814
007	STANDARD MISSILE .....	45,357	45,357
008	JASSM .....	37,039	37,039
009	SMALL DIAMETER BOMB II .....	40,877	40,877
010	RAM .....	92,981	72,981
	Contract award delay .....		[-20,000]
011	JOINT AIR GROUND MISSILE (JAGM) .....	49,702	49,702
012	HELLFIRE .....	7,557	7,557
013	AERIAL TARGETS .....	150,339	150,339
014	DRONES AND DECOYS .....	30,321	30,321
015	OTHER MISSILE SUPPORT .....	3,474	3,474
016	LRASM .....	161,212	161,212
017	NAVAL STRIKE MISSILE (NSM) .....	59,331	59,331
<b>MODIFICATION OF MISSILES</b>			
018	TOMAHAWK MODS .....	206,233	206,233
019	ESSM .....	248,619	161,519
	ESSM block 2 contract award delays .....		[-87,100]
021	AARGM .....	116,345	116,345
022	STANDARD MISSILES MODS .....	148,834	148,834
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
023	WEAPONS INDUSTRIAL FACILITIES .....	1,819	1,819
<b>ORDNANCE SUPPORT EQUIPMENT</b>			
026	ORDNANCE SUPPORT EQUIPMENT .....	191,905	191,905
<b>TORPEDOES AND RELATED EQUIP</b>			
027	SSTD .....	4,545	4,545
028	MK-48 TORPEDO .....	159,107	125,107
	Contract award delay .....		[-34,000]
029	ASW TARGETS .....	13,630	13,630
<b>MOD OF TORPEDOES AND RELATED EQUIP</b>			
030	MK-54 TORPEDO MODS .....	106,112	106,112
031	MK-48 TORPEDO ADCAP MODS .....	35,680	35,680
032	MARITIME MINES .....	8,567	8,567
<b>SUPPORT EQUIPMENT</b>			
033	TORPEDO SUPPORT EQUIPMENT .....	93,400	93,400
034	ASW RANGE SUPPORT .....	3,997	3,997
<b>DESTINATION TRANSPORTATION</b>			
035	FIRST DESTINATION TRANSPORTATION .....	4,023	4,023
<b>GUNS AND GUN MOUNTS</b>			
036	SMALL ARMS AND WEAPONS .....	14,909	14,909
<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>			
037	CIWS MODS .....	6,274	6,274
038	COAST GUARD WEAPONS .....	45,958	45,958
039	GUN MOUNT MODS .....	68,775	68,775
040	LCS MODULE WEAPONS .....	2,121	2,121
041	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	14,822	14,822
<b>SPARES AND REPAIR PARTS</b>			
043	SPARES AND REPAIR PARTS .....	162,382	162,382
	<b>TOTAL WEAPONS PROCUREMENT, NAVY .....</b>	<b>4,220,705</b>	<b>4,079,605</b>
<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>			
<b>NAVY AMMUNITION</b>			
001	GENERAL PURPOSE BOMBS .....	48,635	48,635
002	JDAM .....	74,140	74,140
003	AIRBORNE ROCKETS, ALL TYPES .....	75,383	75,383
004	MACHINE GUN AMMUNITION .....	11,215	11,215
005	PRACTICE BOMBS .....	52,225	52,225
006	CARTRIDGES & CART ACTUATED DEVICES .....	70,876	70,876
007	AIR EXPENDABLE COUNTERMEASURES .....	61,600	61,600
008	JATOS .....	6,620	6,620

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
009	5 INCH/54 GUN AMMUNITION .....	28,922	28,922
010	INTERMEDIATE CALIBER GUN AMMUNITION .....	36,038	36,038
011	OTHER SHIP GUN AMMUNITION .....	39,070	39,070
012	SMALL ARMS & LANDING PARTY AMMO .....	45,493	45,493
013	PYROTECHNIC AND DEMOLITION .....	9,163	9,163
015	AMMUNITION LESS THAN \$5 MILLION .....	1,575	1,575
	<b>MARINE CORPS AMMUNITION</b>		
016	MORTARS .....	50,707	50,707
017	DIRECT SUPPORT MUNITIONS .....	120,037	120,037
018	INFANTRY WEAPONS AMMUNITION .....	94,001	94,001
019	COMBAT SUPPORT MUNITIONS .....	35,247	35,247
020	AMMO MODERNIZATION .....	16,267	16,267
021	ARTILLERY MUNITIONS .....	105,669	95,169
	Contract Delay .....		[-10,500]
022	ITEMS LESS THAN \$5 MILLION .....	5,135	5,135
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC .....</b>	<b>988,018</b>	<b>977,518</b>
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>		
	<b>FLEET BALLISTIC MISSILE SHIPS</b>		
001	OHIO REPLACEMENT SUBMARINE .....	3,003,000	2,848,000
	Excessive cost growth .....		[-155,000]
002	OHIO REPLACEMENT SUBMARINE .....	1,643,980	1,943,980
	Submarine supplier development .....		[300,000]
	<b>OTHER WARSHIPS</b>		
003	CARRIER REPLACEMENT PROGRAM .....	1,068,705	1,068,705
004	CVN-81 .....	1,299,764	1,299,764
005	VIRGINIA CLASS SUBMARINE .....	4,249,240	4,249,240
006	VIRGINIA CLASS SUBMARINE .....	2,120,407	2,120,407
007	CVN REFUELING OVERHAULS .....	2,456,018	2,232,018
	Full funding rephase .....		[-224,000]
008	CVN REFUELING OVERHAULS .....	66,262	66,262
009	DDG 1000 .....	56,597	56,597
010	DDG-51 .....	2,016,787	3,418,887
	Change order excessive cost growth .....		[-12,300]
	Electronics excessive cost growth .....		[-35,500]
	One additional ship .....		[1,529,900]
	Plans cost excessive cost growth .....		[-47,000]
	Termination liability not required .....		[-33,000]
013	FFG-FRIGATE .....	1,087,900	1,087,900
014	FFG-FRIGATE .....	69,100	69,100
	<b>AMPHIBIOUS SHIPS</b>		
015	LPD FLIGHT II .....	60,636	60,636
019	LHA REPLACEMENT .....	68,637	68,637
	<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>		
021	TAO FLEET OILER .....	668,184	592,184
	Advance Procurement early to need .....		[-76,000]
022	TAO FLEET OILER .....	76,012	76,012
023	TAGOS SURTASS SHIPS .....	434,384	434,384
024	TOWING, SALVAGE, AND RESCUE SHIP (ATS) .....	183,800	80,800
	One ship excess to Program of Record .....		[-103,000]
025	LCU 1700 .....	67,928	67,928
026	OUTFITTING .....	635,707	622,907
	Outfitting early to need .....		[-32,800]
027	SHIP TO SHORE CONNECTOR .....	156,738	156,738
028	SERVICE CRAFT .....	67,866	67,866
029	LCAC SLEP .....	32,712	32,712
030	AUXILIARY VESSELS (USED SEALIFT) .....	299,900	299,900
031	COMPLETION OF PY SHIPBUILDING PROGRAMS .....	660,795	660,795
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY .....</b>	<b>22,571,059</b>	<b>23,682,359</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>SHIP PROPULSION EQUIPMENT</b>		
001	SURFACE POWER EQUIPMENT .....	41,414	41,414
	<b>GENERATORS</b>		
002	SURFACE COMBATANT HM&E .....	83,746	83,746
	<b>NAVIGATION EQUIPMENT</b>		
003	OTHER NAVIGATION EQUIPMENT .....	72,300	72,300
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
004	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG .....	234,932	234,932
005	DDG MOD .....	583,136	583,136
006	FIREFIGHTING EQUIPMENT .....	15,040	15,040
007	COMMAND AND CONTROL SWITCHBOARD .....	2,194	2,194
008	LHA/LHD MIDLIFE .....	133,627	133,627
009	LCC 19/20 EXTENDED SERVICE LIFE PROGRAM .....	4,387	4,387
010	POLLUTION CONTROL EQUIPMENT .....	18,159	18,159
011	SUBMARINE SUPPORT EQUIPMENT .....	88,284	88,284
012	VIRGINIA CLASS SUPPORT EQUIPMENT .....	22,669	22,669
013	LCS CLASS SUPPORT EQUIPMENT .....	9,640	9,640

<b>SEC. 4101. PROCUREMENT</b> <b>(In Thousands of Dollars)</b>			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
014	SUBMARINE BATTERIES .....	21,834	21,834
015	LPD CLASS SUPPORT EQUIPMENT .....	34,292	34,292
016	DDG 1000 CLASS SUPPORT EQUIPMENT .....	126,107	126,107
017	STRATEGIC PLATFORM SUPPORT EQUIP .....	12,256	12,256
018	DSSP EQUIPMENT .....	10,682	10,682
019	CG MODERNIZATION .....	156,951	156,951
020	LCAC .....	21,314	21,314
021	UNDERWATER EOD EQUIPMENT .....	24,146	24,146
022	ITEMS LESS THAN \$5 MILLION .....	84,789	84,789
023	CHEMICAL WARFARE DETECTORS .....	2,997	2,997
	<b>REACTOR PLANT EQUIPMENT</b>		
025	SHIP MAINTENANCE, REPAIR AND MODERNIZATION .....	1,307,651	1,307,651
026	REACTOR POWER UNITS .....	3,270	3,270
027	REACTOR COMPONENTS .....	438,729	438,729
	<b>OCEAN ENGINEERING</b>		
028	DIVING AND SALVAGE EQUIPMENT .....	10,772	10,772
	<b>SMALL BOATS</b>		
029	STANDARD BOATS .....	58,770	58,770
	<b>PRODUCTION FACILITIES EQUIPMENT</b>		
030	OPERATING FORCES IPE .....	168,822	168,822
	<b>OTHER SHIP SUPPORT</b>		
031	LCS COMMON MISSION MODULES EQUIPMENT .....	74,231	74,231
032	LCS MCM MISSION MODULES .....	40,630	40,630
033	LCS ASW MISSION MODULES .....	1,565	1,565
034	LCS SUW MISSION MODULES .....	3,395	3,395
035	LCS IN-SERVICE MODERNIZATION .....	122,591	122,591
036	SMALL & MEDIUM UUV .....	32,534	32,534
	<b>SHIP SONARS</b>		
038	SPQ-9B RADAR .....	15,927	15,927
039	AN/SQQ-89 SURF ASW COMBAT SYSTEM .....	131,829	131,829
040	SSN ACOUSTIC EQUIPMENT .....	379,850	360,850
	Virginia class technical insertion kits previously funded .....		[-19,000]
041	UNDERSEA WARFARE SUPPORT EQUIPMENT .....	13,965	13,965
	<b>ASW ELECTRONIC EQUIPMENT</b>		
042	SUBMARINE ACOUSTIC WARFARE SYSTEM .....	24,578	24,578
043	SSTD .....	11,010	11,010
044	FIXED SURVEILLANCE SYSTEM .....	363,651	363,651
045	SURTASS .....	67,500	67,500
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
046	AN/SLQ-32 .....	370,559	314,059
	Block 3 Kit early to need .....		[-56,500]
	<b>RECONNAISSANCE EQUIPMENT</b>		
047	SHIPBOARD IW EXPLOIT .....	261,735	261,735
048	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	3,777	3,777
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
049	COOPERATIVE ENGAGEMENT CAPABILITY .....	24,641	24,641
050	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .....	14,439	14,439
051	ATDLS .....	101,595	101,595
052	NAVY COMMAND AND CONTROL SYSTEM (NCCS) .....	3,535	3,535
053	MINESWEEPING SYSTEM REPLACEMENT .....	15,640	15,640
054	SHALLOW WATER MCM .....	5,610	0
	COBRA Block I mods excess to need .....		[-5,610]
055	NAVSTAR GPS RECEIVERS (SPACE) .....	33,097	33,097
056	AMERICAN FORCES RADIO AND TV SERVICE .....	2,513	2,513
057	STRATEGIC PLATFORM SUPPORT EQUIP .....	4,823	4,823
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
058	ASHORE ATC EQUIPMENT .....	83,464	83,464
059	AFLOAT ATC EQUIPMENT .....	67,055	67,055
060	ID SYSTEMS .....	46,918	46,918
061	JOINT PRECISION APPROACH AND LANDING SYSTEM ( .....	35,386	35,386
062	NAVAL MISSION PLANNING SYSTEMS .....	17,951	17,951
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
063	MARITIME INTEGRATED BROADCAST SYSTEM .....	2,360	2,360
064	TACTICAL/MOBILE CH SYSTEMS .....	18,919	18,919
065	DCGS-N .....	16,691	16,691
066	CANES .....	412,002	412,002
067	RADIAC .....	9,074	9,074
068	CANES-INTELL .....	51,593	51,593
069	GPETE .....	23,930	23,930
070	MASF .....	8,795	8,795
071	INTEG COMBAT SYSTEM TEST FACILITY .....	5,829	5,829
072	EMI CONTROL INSTRUMENTATION .....	3,925	3,925
073	ITEMS LESS THAN \$5 MILLION .....	156,042	156,042
	<b>SHIPBOARD COMMUNICATIONS</b>		
074	SHIPBOARD TACTICAL COMMUNICATIONS .....	43,212	43,212
075	SHIP COMMUNICATIONS AUTOMATION .....	90,724	90,724
076	COMMUNICATIONS ITEMS UNDER \$5M .....	44,447	44,447
	<b>SUBMARINE COMMUNICATIONS</b>		

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
077	SUBMARINE BROADCAST SUPPORT .....	47,579	47,579
078	SUBMARINE COMMUNICATION EQUIPMENT .....	64,642	64,642
	<b>SATELLITE COMMUNICATIONS</b>		
079	SATELLITE COMMUNICATIONS SYSTEMS .....	38,636	38,636
080	NAVY MULTIBAND TERMINAL (NMT) .....	34,723	34,723
	<b>SHORE COMMUNICATIONS</b>		
081	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	2,651	2,651
	<b>CRYPTOGRAPHIC EQUIPMENT</b>		
082	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	146,879	146,879
083	MIO INTEL EXPLOITATION TEAM .....	977	977
	<b>CRYPTOLOGIC EQUIPMENT</b>		
084	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	17,809	17,809
	<b>OTHER ELECTRONIC SUPPORT</b>		
092	COAST GUARD EQUIPMENT .....	63,214	63,214
	<b>SONOBUOYS</b>		
094	SONOBUOYS—ALL TYPES .....	249,121	303,521
	Navy UPL .....		[54,400]
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
095	MINOTAUR .....	4,963	4,963
096	WEAPONS RANGE SUPPORT EQUIPMENT .....	98,898	98,898
097	AIRCRAFT SUPPORT EQUIPMENT .....	178,647	178,647
098	ADVANCED ARRESTING GEAR (AAG) .....	22,265	22,265
099	METEOROLOGICAL EQUIPMENT .....	13,687	13,687
100	LEGACY AIRBORNE MCM .....	4,446	4,446
101	LAMPS EQUIPMENT .....	1,470	1,470
102	AVIATION SUPPORT EQUIPMENT .....	70,665	70,665
103	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	86,584	86,584
	<b>SHIP GUN SYSTEM EQUIPMENT</b>		
104	SHIP GUN SYSTEMS EQUIPMENT .....	5,536	5,536
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>		
105	HARPOON SUPPORT EQUIPMENT .....	204	204
106	SHIP MISSILE SUPPORT EQUIPMENT .....	237,987	237,987
107	TOMAHAWK SUPPORT EQUIPMENT .....	88,726	88,726
	<b>FBM SUPPORT EQUIPMENT</b>		
108	STRATEGIC MISSILE SYSTEMS EQUIP .....	281,259	281,259
	<b>ASW SUPPORT EQUIPMENT</b>		
109	SSN COMBAT CONTROL SYSTEMS .....	143,289	143,289
110	ASW SUPPORT EQUIPMENT .....	30,595	30,595
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
111	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	1,721	1,721
112	ITEMS LESS THAN \$5 MILLION .....	8,746	8,746
	<b>OTHER EXPENDABLE ORDNANCE</b>		
113	ANTI-SHIP MISSILE DECOY SYSTEM .....	76,994	76,994
114	SUBMARINE TRAINING DEVICE MODS .....	75,813	75,813
115	SURFACE TRAINING EQUIPMENT .....	127,814	127,814
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
116	PASSENGER CARRYING VEHICLES .....	4,140	4,140
117	GENERAL PURPOSE TRUCKS .....	2,805	2,805
118	CONSTRUCTION & MAINTENANCE EQUIP .....	48,403	51,003
	Excess carryover .....		[-2,000]
	GPS laser survey equipment .....		[4,600]
119	FIRE FIGHTING EQUIPMENT .....	15,084	15,084
120	TACTICAL VEHICLES .....	27,400	27,400
121	POLLUTION CONTROL EQUIPMENT .....	2,607	2,607
122	ITEMS LESS THAN \$5 MILLION .....	51,963	51,963
123	PHYSICAL SECURITY VEHICLES .....	1,165	1,165
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
124	SUPPLY EQUIPMENT .....	24,698	24,698
125	FIRST DESTINATION TRANSPORTATION .....	5,385	5,385
126	SPECIAL PURPOSE SUPPLY SYSTEMS .....	660,750	660,750
	<b>TRAINING DEVICES</b>		
127	TRAINING SUPPORT EQUIPMENT .....	3,465	3,465
128	TRAINING AND EDUCATION EQUIPMENT .....	60,114	60,114
	<b>COMMAND SUPPORT EQUIPMENT</b>		
129	COMMAND SUPPORT EQUIPMENT .....	31,007	31,007
130	MEDICAL SUPPORT EQUIPMENT .....	7,346	7,346
132	NAVAL MIP SUPPORT EQUIPMENT .....	2,887	2,887
133	OPERATING FORCES SUPPORT EQUIPMENT .....	12,815	12,815
134	C4ISR EQUIPMENT .....	6,324	6,324
135	ENVIRONMENTAL SUPPORT EQUIPMENT .....	25,098	25,098
136	PHYSICAL SECURITY EQUIPMENT .....	110,647	100,647
	Program decrease .....		[-10,000]
137	ENTERPRISE INFORMATION TECHNOLOGY .....	31,709	31,709
	<b>OTHER</b>		
141	NEXT GENERATION ENTERPRISE SERVICE .....	41	41
142	CYBERSPACE ACTIVITIES .....	12,859	12,859
	<b>CLASSIFIED PROGRAMS</b>		
142A	CLASSIFIED PROGRAMS .....	19,808	19,808

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>SPARES AND REPAIR PARTS</b>			
143	SPARES AND REPAIR PARTS .....	424,405	424,405
	<b>TOTAL OTHER PROCUREMENT, NAVY .....</b>	<b>10,875,912</b>	<b>10,841,802</b>
<b>PROCUREMENT, MARINE CORPS</b>			
<b>TRACKED COMBAT VEHICLES</b>			
001	AAV7A1 PIP .....	36,836	36,836
002	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES .....	532,355	525,355
	Excess growth .....		[-7,000]
003	LAV PIP .....	23,476	23,476
<b>ARTILLERY AND OTHER WEAPONS</b>			
004	155MM LIGHTWEIGHT TOWED HOWITZER .....	32	32
005	ARTILLERY WEAPONS SYSTEM .....	67,548	221,348
	Program increase—NSM USMC UPL .....		[57,800]
	Program increase—TACTOM USMC UPL .....		[96,000]
006	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....	35,402	35,402
<b>GUIDED MISSILES</b>			
008	GROUND BASED AIR DEFENSE .....	9,349	9,349
009	ANTI-ARMOR MISSILE-JAVELIN .....	937	937
010	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) .....	20,481	20,481
011	ANTI-ARMOR MISSILE-TOW .....	14,359	12,359
	Unit cost growth .....		[-2,000]
012	GUIDED MLRS ROCKET (GMLRS) .....	98,299	98,299
<b>COMMAND AND CONTROL SYSTEMS</b>			
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C .....	18,247	18,247
<b>REPAIR AND TEST EQUIPMENT</b>			
014	REPAIR AND TEST EQUIPMENT .....	33,554	33,554
<b>OTHER SUPPORT (TEL)</b>			
015	MODIFICATION KITS .....	167	167
<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>			
016	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	64,879	64,879
017	AIR OPERATIONS C2 SYSTEMS .....	1,291	1,291
<b>RADAR + EQUIPMENT (NON-TEL)</b>			
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	297,369	297,369
<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>			
020	GCSS-MC .....	604	604
021	FIRE SUPPORT SYSTEM .....	39,810	39,810
022	INTELLIGENCE SUPPORT EQUIPMENT .....	67,309	67,309
024	UNMANNED AIR SYSTEMS (INTEL) .....	24,299	24,299
025	DCGS-MC .....	28,633	28,633
026	UAS PAYLOADS .....	3,730	3,730
<b>OTHER SUPPORT (NON-TEL)</b>			
029	NEXT GENERATION ENTERPRISE NETWORK (NGEN) .....	97,060	97,060
030	COMMON COMPUTER RESOURCES .....	83,606	83,606
031	COMMAND POST SYSTEMS .....	53,708	39,708
	NOTM refresh early to need .....		[-14,000]
032	RADIO SYSTEMS .....	468,678	444,678
	TCM ground radios sparing previously funded .....		[-10,000]
	Unjustified request .....		[-14,000]
033	COMM SWITCHING & CONTROL SYSTEMS .....	49,600	41,600
	Excess growth .....		[-8,000]
034	COMM & ELEC INFRASTRUCTURE SUPPORT .....	110,835	100,835
	Excess growth .....		[-10,000]
035	CYBERSPACE ACTIVITIES .....	25,377	25,377
<b>CLASSIFIED PROGRAMS</b>			
037A	CLASSIFIED PROGRAMS .....	4,034	4,034
<b>ADMINISTRATIVE VEHICLES</b>			
038	COMMERCIAL CARGO VEHICLES .....	17,848	17,848
<b>TACTICAL VEHICLES</b>			
039	MOTOR TRANSPORT MODIFICATIONS .....	23,363	19,363
	Excess growth .....		[-4,000]
040	JOINT LIGHT TACTICAL VEHICLE .....	322,013	322,013
042	TRAILERS .....	9,876	9,876
<b>ENGINEER AND OTHER EQUIPMENT</b>			
044	TACTICAL FUEL SYSTEMS .....	2,161	2,161
045	POWER EQUIPMENT ASSORTED .....	26,625	26,625
046	AMPHIBIOUS SUPPORT EQUIPMENT .....	17,119	10,119
	Excess carryover .....		[-7,000]
047	EOD SYSTEMS .....	94,472	94,472
<b>MATERIALS HANDLING EQUIPMENT</b>			
048	PHYSICAL SECURITY EQUIPMENT .....	84,513	84,513
<b>GENERAL PROPERTY</b>			
049	FIELD MEDICAL EQUIPMENT .....	8,105	8,105
050	TRAINING DEVICES .....	37,814	37,814
051	FAMILY OF CONSTRUCTION EQUIPMENT .....	34,658	34,658
052	ULTRA-LIGHT TACTICAL VEHICLE (ULTV) .....	15,439	15,439
<b>OTHER SUPPORT</b>			
053	ITEMS LESS THAN \$5 MILLION .....	4,402	4,402

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>SPARES AND REPAIR PARTS</b>			
054	SPARES AND REPAIR PARTS .....	32,819	32,819
	<b>TOTAL PROCUREMENT, MARINE CORPS .....</b>	<b>3,043,091</b>	<b>3,120,891</b>
<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>			
<b>STRATEGIC OFFENSIVE</b>			
001	B-21 RAIDER .....	108,027	108,027
<b>TACTICAL FORCES</b>			
002	F-35 .....	4,167,604	3,973,504
	F135 PM Procurement—Air Force UPL .....		[175,000]
	Sustainment Enterprise Support .....		[-429,100]
	USG depot acceleration .....		[60,000]
003	F-35 .....	352,632	352,632
005	F-15EX .....	1,186,903	2,562,903
	12 additional aircraft .....		[1,376,000]
006	F-15EX .....	147,919	147,919
<b>TACTICAL AIRLIFT</b>			
007	KC-46A MDAP .....	2,380,315	2,275,315
	Excess growth .....		[-105,000]
<b>OTHER AIRLIFT</b>			
008	C-130J .....	128,896	128,896
009	MC-130J .....	220,049	220,049
<b>UPT TRAINERS</b>			
011	ADVANCED TRAINER REPLACEMENT T-X .....	10,397	10,397
<b>HELICOPTERS</b>			
013	COMBAT RESCUE HELICOPTER .....	792,221	792,221
<b>MISSION SUPPORT AIRCRAFT</b>			
016	CIVIL AIR PATROL A/C .....	2,813	11,413
	Recapitalization rate increase .....		[8,600]
<b>OTHER AIRCRAFT</b>			
017	TARGET DRONES .....	116,169	116,169
018	COMPASS CALL .....		75,000
	Add 5 spare engines—Air Force UPL .....		[75,000]
019	E-11 BACN/HAG .....	124,435	124,435
021	MQ-9 .....	3,288	118,288
	Add 6 aircraft .....		[115,000]
<b>STRATEGIC AIRCRAFT</b>			
023	B-2A .....	29,944	29,944
024	B-1B .....	30,518	30,518
025	B-52 .....	74,957	74,957
026	COMBAT RESCUE HELICOPTER .....	61,191	45,891
	Early to need—contract delay .....		[-15,300]
027	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	57,001	57,001
<b>TACTICAL AIRCRAFT</b>			
028	A-10 .....	83,621	83,621
029	E-11 BACN/HAG .....	68,955	68,955
030	F-15 .....	234,340	234,340
031	F-16 .....	613,166	633,166
	HUD upgrade .....		[20,000]
032	F-22A .....	424,722	424,722
033	F-35 MODIFICATIONS .....	304,135	308,935
	RMIP increase .....		[20,000]
	TR-3/B4 delay .....		[-15,200]
034	F-15 EPAW .....	149,797	149,797
036	KC-46A MDAP .....	1,984	1,984
<b>AIRLIFT AIRCRAFT</b>			
037	C-5 .....	25,431	25,431
038	C-17A .....	59,570	59,570
040	C-32A .....	1,949	1,949
041	C-37A .....	5,984	5,984
<b>TRAINER AIRCRAFT</b>			
042	GLIDER MODS .....	142	142
043	T-6 .....	8,735	8,735
044	T-1 .....	3,872	3,872
045	T-38 .....	49,851	49,851
<b>OTHER AIRCRAFT</b>			
046	U-2 MODS .....	126,809	126,809
047	KC-10A (ATCA) .....	1,902	1,902
049	VC-25A MOD .....	96	96
050	C-40 .....	262	262
051	C-130 .....	29,071	154,771
	NP-2000 modifications .....		[75,700]
	T-56 engine modifications .....		[50,000]
052	C-130J MODS .....	110,784	116,584
	Virtual reality maintenance training .....		[5,800]
053	C-135 .....	61,376	61,376
054	COMPASS CALL .....	195,098	195,098
056	RC-135 .....	207,596	207,596



<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
057	E-3 .....	109,855	109,855
058	E-4 .....	19,081	19,081
059	E-8 .....	16,312	43,312
	Program increase—CDL .....		[27,000]
060	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45 .....	30,327	26,627
	Block 40/45 carryover .....		[-3,700]
062	H-1 .....	1,533	1,533
063	H-60 .....	13,709	12,139
	OLR mod early to need .....		[-1,570]
064	RQ-4 MODS .....	3,205	3,205
065	HC/MC-130 MODIFICATIONS .....	150,263	150,263
066	OTHER AIRCRAFT .....	54,828	54,828
067	MQ-9 MODS .....	144,287	129,787
	Early to need—MQ-9 Upgrade .....		[-11,500]
	Unjustified increase—MQ-9 Upgrade other government support .....		[-3,000]
068	MQ-9 UAS PAYLOADS .....	40,800	40,800
069	SENIOR LEADER C3, SYSTEM—AIRCRAFT .....	23,554	23,554
070	CV-22 MODS .....	158,162	163,162
	Nacelle improvement program .....		[5,000]
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
071	INITIAL SPARES/REPAIR PARTS .....	923,573	923,573
	<b>COMMON SUPPORT EQUIPMENT</b>		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	138,761	138,761
	<b>POST PRODUCTION SUPPORT</b>		
073	B-2A .....	1,651	1,651
074	B-2B .....	38,811	38,811
075	B-52 .....	5,602	5,602
078	F-15 .....	2,324	2,324
079	F-16 .....	10,456	10,456
081	RQ-4 POST PRODUCTION CHARGES .....	24,592	24,592
	<b>INDUSTRIAL PREPAREDNESS</b>		
082	INDUSTRIAL RESPONSIVENESS .....	18,110	18,110
	<b>WAR CONSUMABLES</b>		
083	WAR CONSUMABLES .....	35,866	35,866
	<b>OTHER PRODUCTION CHARGES</b>		
084	OTHER PRODUCTION CHARGES .....	979,388	979,388
	<b>CLASSIFIED PROGRAMS</b>		
086A	CLASSIFIED PROGRAMS .....	18,092	18,092
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b>	<b>15,727,669</b>	<b>17,156,399</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
001	MISSILE REPLACEMENT EQ-BALLISTIC .....	57,793	57,793
	<b>BALLISTIC MISSILES</b>		
002	GROUND BASED STRATEGIC DETERRENT .....	10,895	10,895
	<b>TACTICAL</b>		
003	REPLAC EQUIP & WAR CONSUMABLES .....	7,681	7,681
004	AGM-183A AIR-LAUNCHED RAPID RESPONSE WEAPON .....	160,850	110,850
	Procurement early to need .....		[-50,000]
006	JOINT AIR-SURFACE STANDOFF MISSILE .....	710,550	710,550
008	SIDEWINDER (AIM-9X) .....	107,587	107,587
009	AMRAAM .....	214,002	214,002
010	PREDATOR HELLFIRE MISSILE .....	103,684	103,684
011	SMALL DIAMETER BOMB .....	82,819	82,819
012	SMALL DIAMETER BOMB II .....	294,649	294,649
	<b>INDUSTRIAL FACILITIES</b>		
013	INDUSTRL PREPAREDNS/POL PREVENTION .....	757	757
	<b>CLASS IV</b>		
015	ICBM FUZE MOD .....	53,013	53,013
016	ICBM FUZE MOD .....	47,757	47,757
017	MM III MODIFICATIONS .....	88,579	88,579
019	AIR LAUNCH CRUISE MISSILE (ALCM) .....	46,799	46,799
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
020	MSL SPRS/REPAIR PARTS (INITIAL) .....	14,212	14,212
021	MSL SPRS/REPAIR PARTS (REPLEN) .....	63,547	63,547
022	INITIAL SPARES/REPAIR PARTS .....	4,045	4,045
	<b>SPECIAL PROGRAMS</b>		
027	SPECIAL UPDATE PROGRAMS .....	30,352	30,352
	<b>CLASSIFIED PROGRAMS</b>		
027A	CLASSIFIED PROGRAMS .....	570,240	570,240
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b>	<b>2,669,811</b>	<b>2,619,811</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
001	ROCKETS .....	36,597	36,597
	<b>CARTRIDGES</b>		
002	CARTRIDGES .....	169,163	164,163
	Excess to need .....		[-5,000]

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>BOMBS</b>			
003	PRACTICE BOMBS .....	48,745	48,745
004	GENERAL PURPOSE BOMBS .....	176,565	176,565
005	MASSIVE ORDNANCE PENETRATOR (MOP) .....	15,500	15,500
006	JOINT DIRECT ATTACK MUNITION .....	124,102	124,102
007	B-61 .....	2,709	2,709
<b>OTHER ITEMS</b>			
008	CAD/PAD .....	47,210	47,210
009	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	6,151	6,151
010	SPARES AND REPAIR PARTS .....	535	535
011	MODIFICATIONS .....	292	292
012	ITEMS LESS THAN \$5,000,000 .....	9,164	9,164
<b>FLARES</b>			
013	FLARES .....	95,297	95,297
<b>FUZES</b>			
014	FUZES .....	50,795	50,795
<b>SMALL ARMS</b>			
015	SMALL ARMS .....	12,343	12,343
<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE .....</b>		<b>795,168</b>	<b>790,168</b>
<b>PROCUREMENT, SPACE FORCE</b>			
<b>SPACE PROCUREMENT, SF</b>			
002	AF SATELLITE COMM SYSTEM .....	43,655	43,655
003	COUNTERSPACE SYSTEMS .....	64,804	64,804
004	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	39,444	39,444
005	GENERAL INFORMATION TECH—SPACE .....	3,316	3,316
006	GPSIII FOLLOW ON .....	601,418	601,418
007	GPS III SPACE SEGMENT .....	84,452	84,452
008	GLOBAL POSITIONING (SPACE) .....	2,274	2,274
009	HERITAGE TRANSITION .....	13,529	13,529
010	SPACEBORNE EQUIP (COMSEC) .....	26,245	26,245
011	MILSATCOM .....	24,333	24,333
012	SBIR HIGH (SPACE) .....	154,526	154,526
013	SPECIAL SPACE ACTIVITIES .....	142,188	142,188
014	MOBILE USER OBJECTIVE SYSTEM .....	45,371	45,371
015	NATIONAL SECURITY SPACE LAUNCH .....	1,337,347	1,337,347
016	NUDET DETECTION SYSTEM .....	6,690	6,690
017	PTES HUB .....	7,406	7,406
018	ROCKET SYSTEMS LAUNCH PROGRAM .....	10,429	10,429
020	SPACE MODS .....	64,371	64,371
021	SPACELIFT RANGE SYSTEM SPACE .....	93,774	93,774
<b>SPARES</b>			
022	SPARES AND REPAIR PARTS .....	1,282	1,282
<b>TOTAL PROCUREMENT, SPACE FORCE .....</b>		<b>2,766,854</b>	<b>2,766,854</b>
<b>OTHER PROCUREMENT, AIR FORCE</b>			
<b>PASSENGER CARRYING VEHICLES</b>			
001	PASSENGER CARRYING VEHICLES .....	8,448	8,448
<b>CARGO AND UTILITY VEHICLES</b>			
002	MEDIUM TACTICAL VEHICLE .....	5,804	5,804
003	CAP VEHICLES .....	1,066	1,800
	Program increase .....		[734]
004	CARGO AND UTILITY VEHICLES .....	57,459	49,959
	Prior-year underexecution .....		[-7,500]
<b>SPECIAL PURPOSE VEHICLES</b>			
005	JOINT LIGHT TACTICAL VEHICLE .....	97,326	92,326
	Excess carryover .....		[-5,000]
006	SECURITY AND TACTICAL VEHICLES .....	488	488
007	SPECIAL PURPOSE VEHICLES .....	75,694	75,694
<b>FIRE FIGHTING EQUIPMENT</b>			
008	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	12,525	12,525
<b>MATERIALS HANDLING EQUIPMENT</b>			
009	MATERIALS HANDLING VEHICLES .....	34,933	34,933
<b>BASE MAINTENANCE SUPPORT</b>			
010	RUNWAY SNOW REMOV AND CLEANING EQU .....	9,134	9,134
011	BASE MAINTENANCE SUPPORT VEHICLES .....	111,820	107,013
	Insufficient justification .....		[-4,807]
<b>COMM SECURITY EQUIPMENT(COMSEC)</b>			
013	COMSEC EQUIPMENT .....	66,022	66,022
014	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM .....	885,051	885,051
<b>INTELLIGENCE PROGRAMS</b>			
015	INTERNATIONAL INTEL TECH & ARCHITECTURES .....	5,809	5,809
016	INTELLIGENCE TRAINING EQUIPMENT .....	5,719	5,719
017	INTELLIGENCE COMM EQUIPMENT .....	25,844	25,844
<b>ELECTRONICS PROGRAMS</b>			
018	AIR TRAFFIC CONTROL & LANDING SYS .....	44,516	44,516
019	BATTLE CONTROL SYSTEM—FIXED .....	2,940	2,940
020	THEATER AIR CONTROL SYS IMPROVEMEN .....	43,442	43,442

<b>SEC. 4101. PROCUREMENT</b> (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
021	3D EXPEDITIONARY LONG-RANGE RADAR .....	96,186	88,686
	Program decrease .....		[-7,500]
022	WEATHER OBSERVATION FORECAST .....	32,376	32,376
023	STRATEGIC COMMAND AND CONTROL .....	37,950	37,950
024	CHEYENNE MOUNTAIN COMPLEX .....	8,258	8,258
025	MISSION PLANNING SYSTEMS .....	14,717	14,717
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
027	GENERAL INFORMATION TECHNOLOGY .....	43,917	43,917
028	AF GLOBAL COMMAND & CONTROL SYS .....	414	414
030	MOBILITY COMMAND AND CONTROL .....	10,619	10,619
031	AIR FORCE PHYSICAL SECURITY SYSTEM .....	101,896	91,896
	Program decrease .....		[-10,000]
032	COMBAT TRAINING RANGES .....	222,598	222,598
033	COMBAT TRAINING RANGES .....	14,730	14,730
034	MINIMUM ESSENTIAL EMERGENCY COMM N .....	77,119	77,119
035	WIDE AREA SURVEILLANCE (WAS) .....	38,794	38,794
036	C3 COUNTERMEASURES .....	131,238	131,238
037	INTEGRATED PERSONNEL AND PAY SYSTEM .....	15,240	15,240
038	GCSS-AF FOS .....	3,959	3,959
040	MAINTENANCE REPAIR & OVERHAUL INITIATIVE .....	4,387	4,387
041	THEATER BATTLE MGT C2 SYSTEM .....	4,052	4,052
042	AIR & SPACE OPERATIONS CENTER (AOC) .....	2,224	2,224
	<b>AIR FORCE COMMUNICATIONS</b>		
043	BASE INFORMATION TRANSP T INFRAST (BITI) WIRED .....	58,499	58,499
044	AFNET .....	65,354	65,354
045	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,377	4,377
046	USCENTCOM .....	18,101	18,101
047	USSTRATCOM .....	4,226	4,226
	<b>ORGANIZATION AND BASE</b>		
048	TACTICAL C-E EQUIPMENT .....	162,955	156,955
	Program decrease .....		[-6,000]
049	RADIO EQUIPMENT .....	14,232	12,232
	Program decrease .....		[-2,000]
051	BASE COMM INFRASTRUCTURE .....	200,797	193,797
	MQ-9 UAV—Excess carryover .....		[-7,000]
	<b>MODIFICATIONS</b>		
052	COMM ELECT MODS .....	18,607	18,607
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
053	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	106,449	106,449
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>		
054	POWER CONDITIONING EQUIPMENT .....	11,274	11,274
055	MECHANIZED MATERIAL HANDLING EQUIP .....	8,594	8,594
	<b>BASE SUPPORT EQUIPMENT</b>		
056	BASE PROCURED EQUIPMENT .....	1	1
057	ENGINEERING AND EOD EQUIPMENT .....	32,139	32,139
058	MOBILITY EQUIPMENT .....	63,814	63,814
059	FUELS SUPPORT EQUIPMENT (FSE) .....	17,928	17,928
060	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	48,534	48,534
	<b>SPECIAL SUPPORT PROJECTS</b>		
062	DARP RC135 .....	27,359	27,359
063	DCGS-AF .....	261,070	261,070
065	SPECIAL UPDATE PROGRAM .....	777,652	777,652
	<b>CLASSIFIED PROGRAMS</b>		
065A	CLASSIFIED PROGRAMS .....	20,983,908	21,033,908
	Program Increase .....		[50,000]
	<b>SPARES AND REPAIR PARTS</b>		
066	SPARES AND REPAIR PARTS (CYBER) .....	978	978
067	SPARES AND REPAIR PARTS .....	9,575	9,575
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b>	<b>25,251,137</b>	<b>25,252,064</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>		
	<b>MAJOR EQUIPMENT, SDA</b>		
024	MAJOR EQUIPMENT, DPAA .....	494	494
047	MAJOR EQUIPMENT, OSD .....	31,420	31,420
048	JOINT CAPABILITY TECH DEMONSTRATION (JCTD) .....	74,060	74,060
	<b>MAJOR EQUIPMENT, NSA</b>		
046	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	315	315
	<b>MAJOR EQUIPMENT, DISA</b>		
010	INFORMATION SYSTEMS SECURITY .....	18,923	18,923
011	TELEPORT PROGRAM .....	34,908	34,908
012	JOINT FORCES HEADQUARTERS—DODIN .....	1,968	1,968
013	ITEMS LESS THAN \$5 MILLION .....	42,270	42,270
014	DEFENSE INFORMATION SYSTEM NETWORK .....	18,025	18,025
015	WHITE HOUSE COMMUNICATION AGENCY .....	44,522	44,522
016	SENIOR LEADERSHIP ENTERPRISE .....	54,592	54,592
017	JOINT REGIONAL SECURITY STACKS (JRSS) .....	62,657	62,657
018	JOINT SERVICE PROVIDER .....	102,039	102,039
019	FOURTH ESTATE NETWORK OPTIMIZATION (4ENO) .....	80,645	70,645

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	Program execution .....		[-10,000]
	<b>MAJOR EQUIPMENT, DLA</b>		
021	MAJOR EQUIPMENT .....	530,896	510,896
	Excess growth .....		[-20,000]
	<b>MAJOR EQUIPMENT, DCSA</b>		
002	MAJOR EQUIPMENT .....	3,014	3,014
	<b>MAJOR EQUIPMENT, TJS</b>		
049	MAJOR EQUIPMENT, TJS .....	7,830	7,830
	<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>		
029	THAAD .....	251,543	251,543
031	AEGIS BMD .....	334,621	334,621
032	AEGIS BMD .....	17,493	17,493
033	BMDS AN/TPY-2 RADARS .....	2,738	2,738
034	SM-3 ILLAS .....	295,322	316,322
	Procure 1 additional all-up round .....		[21,000]
035	ARROW 3 UPPER TIER SYSTEMS .....	62,000	62,000
036	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) .....	30,000	30,000
037	DEFENSE OF GUAM PROCUREMENT .....	40,000	0
	Procurement early to need—transfer to RDT&E .....		[-40,000]
038	AEGIS ASHORE PHASE III .....	25,866	25,866
039	IRON DOME .....	108,000	108,000
040	AEGIS BMD HARDWARE AND SOFTWARE .....	81,791	81,791
	<b>MAJOR EQUIPMENT, DHRA</b>		
004	PERSONNEL ADMINISTRATION .....	4,042	4,042
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
026	VEHICLES .....	118	118
027	OTHER MAJOR EQUIPMENT .....	12,681	12,681
	<b>MAJOR EQUIPMENT, DODEA</b>		
023	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	2,963	2,963
	<b>MAJOR EQUIPMENT, DMACT</b>		
022	MAJOR EQUIPMENT .....	8,498	8,498
	<b>CLASSIFIED PROGRAMS</b>		
051A	CLASSIFIED PROGRAMS .....	635,338	635,338
	<b>AVIATION PROGRAMS</b>		
052	ARMED OVERWATCH/TARGETING .....	170,000	170,000
053	MANNED ISR .....	2,500	2,500
054	MC-12 .....	2,250	2,250
055	MH-60 BLACKHAWK .....	29,900	29,900
056	ROTARY WING UPGRADES AND SUSTAINMENT .....	202,278	202,278
057	UNMANNED ISR .....	55,951	55,951
058	NON-STANDARD AVIATION .....	3,282	3,282
059	U-28 .....	4,176	4,176
060	MH-47 CHINOOK .....	130,485	130,485
061	CV-22 MODIFICATION .....	41,762	41,762
062	MQ-9 UNMANNED AERIAL VEHICLE .....	8,020	8,020
063	PRECISION STRIKE PACKAGE .....	165,224	165,224
064	AC/MC-130J .....	205,216	205,216
065	C-130 MODIFICATIONS .....	13,373	13,373
	<b>SHIPBUILDING</b>		
066	UNDERWATER SYSTEMS .....	17,227	17,227
	<b>AMMUNITION PROGRAMS</b>		
067	ORDNANCE ITEMS <\$5M .....	168,072	168,072
	<b>OTHER PROCUREMENT PROGRAMS</b>		
068	INTELLIGENCE SYSTEMS .....	131,889	123,889
	Program decrease .....		[-8,000]
069	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	5,991	5,991
070	OTHER ITEMS <\$5M .....	62,722	62,722
071	COMBATANT CRAFT SYSTEMS .....	17,080	17,080
072	SPECIAL PROGRAMS .....	44,351	44,351
073	TACTICAL VEHICLES .....	26,806	26,806
074	WARRIOR SYSTEMS <\$5M .....	284,548	289,548
	Radio Integration System Program Upgrade .....		[5,000]
075	COMBAT MISSION REQUIREMENTS .....	27,513	27,513
077	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	20,252	20,252
078	OPERATIONAL ENHANCEMENTS .....	328,569	328,569
	<b>CBDP</b>		
079	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	167,918	167,918
080	CB PROTECTION & HAZARD MITIGATION .....	189,265	189,265
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b> .....	<b>5,548,212</b>	<b>5,496,212</b>
	<b>NATIONAL GUARD AND RESERVE EQUIPMENT</b>		
	<b>UNDISTRIBUTED</b>		
007	UNDISTRIBUTED .....		100,000
	Program increase .....		[100,000]
	<b>TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT</b> .....		<b>100,000</b>
	<b>TOTAL PROCUREMENT</b> .....	<b>132,205,078</b>	<b>136,341,161</b>

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1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 5 **TION.**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	House Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
001	0601102A	DEFENSE RESEARCH SCIENCES .....	297,241	297,241
002	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	66,981	66,981
003	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	94,003	104,003
		Biotechnology advancements .....		[4,000]
		Polar Research and Training .....		[6,000]
004	0601121A	CYBER COLLABORATIVE RESEARCH ALLIANCE .....	5,067	5,067
005	0601601A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH.	10,183	10,183
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>473,475</b>	<b>483,475</b>
<b>APPLIED RESEARCH</b>				
006	0602115A	BIOMEDICAL TECHNOLOGY .....	11,925	11,925
007	0602134A	COUNTER IMPROVISED-THREAT ADVANCED STUDIES .....	1,976	1,976
008	0602141A	LETHALITY TECHNOLOGY .....	64,126	65,126
		CPF—Research and Development of Next Generation Explosives and Propellants.		[1,000]
009	0602142A	ARMY APPLIED RESEARCH .....	28,654	28,654
010	0602143A	SOLDIER LETHALITY TECHNOLOGY .....	105,168	105,168
011	0602144A	GROUND TECHNOLOGY .....	56,400	86,400
		Advanced materials process .....		[10,000]
		Chemical and Biological Detection .....		[5,000]
		CPF—Army Research Lab (ARL) Additive Manufacturing/Ma- chine Learning (AM/ML) Initiative.		[5,000]
		High performance polymers .....		[10,000]
012	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY .....	172,166	182,166
		CPF—High-efficiency Truck Users Forum (HTUF) .....		[2,500]
		CPF—Structural Thermoplastics Large-Scale Low-Cost Tooling Solutions.		[4,500]
		Tactical Behaviors for Autonomous Maneuver .....		[3,000]
013	0602146A	NETWORK C3I TECHNOLOGY .....	84,606	110,406
		Advanced fabrics for shelters .....		[9,000]
		Alternative PNT .....		[5,000]
		CPF—Future Nano- and Micro-Fabrication - Advanced Materials Engineering Research Institute.		[6,800]
		CPF—Multiple Drone, Multiple Sensor ISR Capabilities .....		[5,000]
014	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY .....	64,285	74,285
		Machine Learning for Army Integrated Fires .....		[5,000]
		Novel Printed Armaments Components .....		[5,000]
015	0602148A	FUTURE VERTICLE LIFT TECHNOLOGY .....	91,411	91,411
016	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY .....	19,316	49,316
		Advancement of critical HEL technologies .....		[10,000]
		High energy laser integration .....		[20,000]
017	0602180A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES.	15,034	15,034
018	0602181A	ALL DOMAIN CONVERGENCE APPLIED RESEARCH .....	25,967	25,967
019	0602182A	C3I APPLIED RESEARCH .....	12,406	12,406
020	0602183A	AIR PLATFORM APPLIED RESEARCH .....	6,597	11,597
		High density eVTOL power source .....		[5,000]
021	0602184A	SOLDIER APPLIED RESEARCH .....	11,064	26,064
		Advanced AI/AA analytics .....		[5,000]
		AFC Pathfinder Partnership Program .....		[10,000]
022	0602213A	C3I APPLIED CYBER .....	12,123	12,123
023	0602386A	BIOTECHNOLOGY FOR MATERIALS—APPLIED RESEARCH ...	20,643	20,643
024	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	18,701	18,701
025	0602787A	MEDICAL TECHNOLOGY .....	91,720	95,720
		CPF—Human Performance Optimization (HPO) Center .....		[2,000]
		CPF—Suicide Prevention with Focus on Rural, Remote, Isolated, and OCONUS Installations.		[2,000]
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>914,288</b>	<b>1,045,088</b>

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
026	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	43,804	43,804
027	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY.	14,273	14,273
028	0603025A	ARMY AGILE INNOVATION AND DEMONSTRATION .....	22,231	22,231
029	0603040A	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES.	909	909
030	0603041A	ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY .....	17,743	17,743
031	0603042A	C3I ADVANCED TECHNOLOGY .....	3,151	3,151
032	0603043A	AIR PLATFORM ADVANCED TECHNOLOGY .....	754	754
033	0603044A	SOLDIER ADVANCED TECHNOLOGY .....	890	890
034	0603115A	MEDICAL DEVELOPMENT .....	26,521	26,521
035	0603116A	LETHALITY ADVANCED TECHNOLOGY .....	8,066	8,066
036	0603117A	ARMY ADVANCED TECHNOLOGY DEVELOPMENT .....	76,815	76,815
037	0603118A	SOLDIER LETHALITY ADVANCED TECHNOLOGY .....	107,966	107,966
038	0603119A	GROUND ADVANCED TECHNOLOGY .....	23,403	36,403
		Cold weather military research .....		[2,000]
		CPF—Military Operations in a Permafrost Environment .....		[3,000]
		Rapid entry and sustainment for the Arctic .....		[8,000]
039	0603134A	COUNTER IMPROVISED-THREAT SIMULATION .....	24,747	24,747
040	0603386A	BIOTECHNOLOGY FOR MATERIALS—ADVANCED RESEARCH	53,736	53,736
041	0603457A	C3I CYBER ADVANCED DEVELOPMENT .....	31,426	31,426
042	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM.	189,123	199,123
		Program increase .....		[10,000]
043	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY.	164,951	169,951
		Vehicle Cyber Security Research .....		[5,000]
044	0603463A	NETWORK C3I ADVANCED TECHNOLOGY .....	155,867	155,867
045	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	93,909	103,909
		Missile effects planning tool development .....		[10,000]
046	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY .....	179,677	179,677
047	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY .....	48,826	66,326
		Late contract award .....		[-2,500]
		Program increase—Missile Mentor .....		[10,000]
		Vehicle-mounted high-energy laser weapon systems development ...		[10,000]
048	0603920A	HUMANITARIAN DEMINING .....	8,649	8,649
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,297,437</b>	<b>1,352,937</b>
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
049	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	11,702	25,702
		Flight Analysis Software Toolkit .....		[8,000]
		Scalable High Powered Microwave Technology .....		[6,000]
050	0603308A	ARMY SPACE SYSTEMS INTEGRATION .....	18,755	21,755
		Multi-Mission Synthetic Aperture Radar Payload Development ....		[3,000]
052	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV .....	50,314	50,314
053	0603639A	TANK AND MEDIUM CALIBER AMMUNITION .....	79,873	79,873
054	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV .....	170,590	166,590
		Excess to need .....		[-4,000]
055	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	2,897	2,897
056	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	113,365	113,365
057	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	18,000	18,000
058	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL .....	11,921	11,921
059	0603790A	NATO RESEARCH AND DEVELOPMENT .....	3,777	3,777
060	0603801A	AVIATION—ADV DEV .....	1,125,641	1,134,141
		Excess to need .....		[-24,500]
		FLRAA risk reduction .....		[33,000]
061	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	7,055	7,055
062	0603807A	MEDICAL SYSTEMS—ADV DEV .....	22,071	22,071
063	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	17,459	17,459
064	0604017A	ROBOTICS DEVELOPMENT .....	87,198	75,048
		Excess carryover .....		[-7,150]
		Unjustified growth—other support costs .....		[-5,000]
065	0604019A	EXPANDED MISSION AREA MISSILE (EMAM) .....	50,674	43,674
		IFPC-HEL Late Contract Award .....		[-7,000]
067	0604035A	LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY .....	19,638	19,638
068	0604036A	MULTI-DOMAIN SENSING SYSTEM (MDSS) ADV DEV .....	50,548	45,498
		Insufficient justification .....		[-5,050]
069	0604037A	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV.	28,347	28,347
070	0604100A	ANALYSIS OF ALTERNATIVES .....	10,091	10,091
071	0604101A	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4) .....	926	926
072	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS).	69,697	69,697
073	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR .....	327,690	327,690
074	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	270,124	190,124

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Line	Program Element	Item	FY 2022 Request	House Authorized
		Insufficient justification .....		[-80,000]
075	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	39,376	32,976
		Excess carryover .....		[-6,400]
076	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING.	189,483	189,483
077	0604120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) ...	96,679	96,679
078	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING.	194,195	192,195
		Prior-year carryover .....		[-2,000]
079	0604134A	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	13,379	13,379
080	0604182A	HYPERSONICS .....	300,928	300,928
081	0604403A	FUTURE INTERCEPTOR .....	7,895	7,895
082	0604531A	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT.	19,148	19,148
083	0604541A	UNIFIED NETWORK TRANSPORT .....	35,409	35,409
084	0604644A	MOBILE MEDIUM RANGE MISSILE .....	286,457	281,457
		Prior-year carryover .....		[-5,000]
085	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4) .....	2,040	2,040
086	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ..	52,988	52,988
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>3,806,330</b>	<b>3,710,230</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
089	0604201A	AIRCRAFT AVIONICS .....	6,654	6,654
090	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	30,840	26,440
		Early to need .....		[-4,400]
091	0604601A	INFANTRY SUPPORT WEAPONS .....	67,873	72,873
		Turret Gunner Survivability and Simulation Environment .....		[5,000]
092	0604604A	MEDIUM TACTICAL VEHICLES .....	11,374	11,374
093	0604611A	JAVELIN .....	7,094	7,094
094	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES .....	31,602	31,602
095	0604633A	AIR TRAFFIC CONTROL .....	4,405	4,405
096	0604642A	LIGHT TACTICAL WHEELED VEHICLES .....	2,055	2,055
097	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	137,256	137,256
098	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	62,690	112,690
		Transfer from Other Procurement, Army line 83 .....		[50,000]
099	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	1,658	1,658
100	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV .....	26,540	26,540
101	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV.	59,518	59,518
102	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .....	22,331	22,331
103	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	8,807	8,807
104	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV.	7,453	7,453
107	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	21,534	21,534
108	0604802A	WEAPONS AND MUNITIONS—ENG DEV .....	309,778	309,778
109	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV .....	59,261	52,261
		Excess carryover .....		[-7,000]
110	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV.	20,121	20,121
111	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV.	44,424	44,424
112	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV .....	14,137	9,137
		Insufficient justification .....		[-5,000]
113	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	162,704	162,704
114	0604820A	RADAR DEVELOPMENT .....	127,919	127,919
115	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	17,623	17,623
117	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	6,454	6,454
118	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	106,354	127,354
		Program increase for vehicle protection system research—Army UPL.		[21,000]
120	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT .....	122,168	122,168
121	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	76,936	76,936
122	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	35,560	35,560
124	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC) .....	16,364	16,364
125	0605031A	JOINT TACTICAL NETWORK (JTN) .....	28,954	28,954
128	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	16,630	16,630
130	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE (NBCRV) SENSOR SUITE.	7,618	7,618
131	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT .....	18,892	18,892
132	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	28,849	28,849
133	0605047A	CONTRACT WRITING SYSTEM .....	22,960	22,960
135	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	65,603	65,603
136	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	233,512	233,512
137	0605053A	GROUND ROBOTICS .....	18,241	18,241
138	0605054A	EMERGING TECHNOLOGY INITIATIVES .....	254,945	254,945



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139	0605143A	BIOMETRICS ENABLING CAPABILITY (BEC) .....	4,326	4,326
140	0605144A	NEXT GENERATION LOAD DEVICE—MEDIUM .....	15,616	15,616
141	0605145A	MEDICAL PRODUCTS AND SUPPORT SYSTEMS DEVELOPMENT.	962	962
142	0605148A	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD ..	54,972	54,972
143	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION .....	122,175	122,175
144	0605205A	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5) .....	2,275	2,275
145	0605224A	MULTI-DOMAIN INTELLIGENCE .....	9,313	9,313
146	0605225A	SIO CAPABILITY DEVELOPMENT .....	22,713	22,713
147	0605231A	PRECISION STRIKE MISSILE (PRSM) .....	188,452	188,452
148	0605232A	HYPERSONICS EMD .....	111,473	111,473
149	0605233A	ACCESSIONS INFORMATION ENVIRONMENT (AIE) .....	18,790	18,790
150	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	2,134	2,134
151	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD) ...	157,873	157,873
152	0605531A	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV & DEMONSTRATION.	33,386	33,386
153	0605625A	MANNED GROUND VEHICLE .....	225,106	203,106
		Excess carryover .....		[-10,000]
		Unjustified growth—other support costs .....		[-7,000]
		Unjustified growth—program management .....		[-5,000]
154	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP) .....	14,454	14,454
155	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH.	2,564	2,564
156	0605830A	AVIATION GROUND SUPPORT EQUIPMENT .....	1,201	1,201
157	0303032A	TROJAN—RH12 .....	3,362	3,362
161	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	75,520	75,520
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>3,392,358</b>	<b>3,429,958</b>
		<b>MANAGEMENT SUPPORT</b>		
162	0604256A	THREAT SIMULATOR DEVELOPMENT .....	18,439	18,439
163	0604258A	TARGET SYSTEMS DEVELOPMENT .....	17,404	17,404
164	0604759A	MAJOR T&E INVESTMENT .....	68,139	68,139
165	0605103A	RAND ARROYO CENTER .....	33,126	33,126
166	0605301A	ARMY KWAJALEIN ATOLL .....	240,877	240,877
167	0605326A	CONCEPTS EXPERIMENTATION PROGRAM .....	79,710	79,710
169	0605601A	ARMY TEST RANGES AND FACILITIES .....	354,227	354,227
170	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS Modular Open System Architecture (MOSA) integration research and testing.	49,253	69,739 [20,486]
171	0605604A	SURVIVABILITY/LETHALITY ANALYSIS .....	36,389	36,389
172	0605606A	AIRCRAFT CERTIFICATION .....	2,489	2,489
173	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	6,689	6,689
174	0605706A	MATERIEL SYSTEMS ANALYSIS .....	21,558	21,558
175	0605709A	EXPLOITATION OF FOREIGN ITEMS .....	13,631	13,631
176	0605712A	SUPPORT OF OPERATIONAL TESTING .....	55,122	55,122
177	0605716A	ARMY EVALUATION CENTER .....	65,854	65,854
178	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG ...	2,633	2,633
179	0605801A	PROGRAMWIDE ACTIVITIES .....	96,589	96,589
180	0605803A	TECHNICAL INFORMATION ACTIVITIES .....	26,808	26,808
181	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY. Program increase for Advanced Ammunition Material and Manufacturing Technologies.	43,042	48,042 [5,000]
182	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	1,789	1,789
183	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	52,108	52,108
185	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	80,952	80,952
186	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	5,363	5,363
187	0606105A	MEDICAL PROGRAM-WIDE ACTIVITIES .....	39,041	39,041
188	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	5,466	5,466
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,416,698</b>	<b>1,442,184</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
190	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	12,314	12,314
191	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	8,868	8,868
192	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	22,828	22,828
194	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM .....	4,773	4,773
195	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM .....	52,372	62,372 [10,000]
		Program increase—T55-714C acceleration .....		[10,000]
196	0607139A	IMPROVED TURBINE ENGINE PROGRAM .....	275,024	275,024
197	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	12,417	12,417
198	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS .....	4,594	4,594
199	0607145A	APACHE FUTURE DEVELOPMENT .....	10,067	25,067 [15,000]
		Program increase—air vehicle advancement and advanced mission systems..		[15,000]

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200	0607148A	AN/TPQ-53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM.	56,681	56,681
201	0607150A	INTEL CYBER DEVELOPMENT .....	3,611	3,611
202	0607312A	ARMY OPERATIONAL SYSTEMS DEVELOPMENT .....	28,029	28,029
203	0607313A	ELECTRONIC WARFARE DEVELOPMENT .....	5,673	5,673
204	0607665A	FAMILY OF BIOMETRICS .....	1,178	1,178
205	0607865A	PATRIOT PRODUCT IMPROVEMENT .....	125,932	125,932
206	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOC).	25,547	25,547
207	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	211,523	276,523
		Abrams tank modernization .....		[65,000]
208	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	213,281	208,136
		Excess carryover .....		[-5,145]
210	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	132	132
211	0203758A	DIGITIZATION .....	3,936	3,936
212	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	127	127
213	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	10,265	10,265
214	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	262	262
215	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM ...	182	182
216	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .....	63,937	63,937
217	0208053A	JOINT TACTICAL GROUND SYSTEM .....	13,379	13,379
219	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	24,531	24,531
220	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM .....	15,720	15,720
221	0303141A	GLOBAL COMBAT SUPPORT SYSTEM .....	52,739	52,739
222	0303142A	SATCOM GROUND ENVIRONMENT (SPACE) .....	15,247	15,247
226	0305179A	INTEGRATED BROADCAST SERVICE (IBS) .....	5,430	5,430
227	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	8,410	8,410
228	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	24,460	24,460
233	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,066	2,066
234	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	61,720	61,720
236A	999999999	CLASSIFIED PROGRAMS .....	2,993	2,993
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>1,380,248</b>	<b>1,465,103</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
237	0608041A	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT.	118,811	118,811
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>118,811</b>	<b>118,811</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>12,799,645</b>	<b>13,047,786</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
001	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	117,448	137,448
		Defense University Research Instrumentation Program .....		[20,000]
003	0601153N	DEFENSE RESEARCH SCIENCES .....	484,421	486,406
		CPF—Digital Twins for Navy Maintenance .....		[1,985]
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>601,869</b>	<b>623,854</b>
		<b>APPLIED RESEARCH</b>		
004	0602114N	POWER PROJECTION APPLIED RESEARCH .....	23,013	23,013
005	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	122,888	138,388
		Relative positioning of autonomous platforms .....		[5,000]
		Talent and technology for Navy power and energy systems .....		[10,500]
006	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	51,112	61,112
		Unmanned logistics solutions .....		[10,000]
007	0602235N	COMMON PICTURE APPLIED RESEARCH .....	51,477	51,477
008	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	70,547	75,547
		Humanoid robotics in complex unstructured environments .....		[5,000]
009	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	85,157	85,157
010	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	70,086	70,086
011	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,405	6,405
012	0602747N	UNDERSEA WARFARE APPLIED RESEARCH .....	57,484	99,984
		Academic partnerships for undersea vehicle research and manufacturing.		[12,500]
		Continuous distributed sensing systems .....		[20,000]
		CPF—Connected AI for Autonomous UUV Systems .....		[5,000]
		CPF—Persistent Maritime Surveillance .....		[5,000]
013	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	173,356	173,356
014	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	32,160	32,160
015	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.	152,976	152,976
016	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	79,254	79,254

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<b>SUBTOTAL APPLIED RESEARCH</b>			<b>975,915</b>	<b>1,048,915</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
017	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY	21,661	21,661
018	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	8,146	8,146
019	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	224,155	224,155
020	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.	13,429	13,429
021	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	265,299	265,299
022	0603680N	MANUFACTURING TECHNOLOGY PROGRAM	57,236	57,236
023	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,935	4,935
024	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.	47,167	52,167
		Net-Zero and Resilient Energy Installations		[5,000]
025	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY.	1,981	1,981
026	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	133,779	143,779
		Program increase—railgun		[10,000]
<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>			<b>777,788</b>	<b>792,788</b>
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
027	0603128N	UNMANNED AERIAL SYSTEM	16,879	16,879
028	0603178N	MEDIUM AND LARGE UNMANNED SURFACE VEHICLES (USVS).	144,846	144,846
029	0603207N	AIR/OCEAN TACTICAL APPLICATIONS	27,849	27,849
030	0603216N	AVIATION SURVIVABILITY	16,815	16,815
031	0603239N	NAVAL CONSTRUCTION FORCES	5,290	5,290
033	0603254N	ASW SYSTEMS DEVELOPMENT	17,612	17,612
034	0603261N	TACTICAL AIRBORNE RECONNAISSANCE	3,111	3,111
035	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY	32,310	32,310
036	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.	58,013	58,013
037	0603506N	SURFACE SHIP TORPEDO DEFENSE	1,862	1,862
038	0603512N	CARRIER SYSTEMS DEVELOPMENT	7,182	7,182
039	0603525N	PILOT FISH	408,087	408,087
040	0603527N	RETRACT LARCH	44,197	44,197
041	0603536N	RETRACT JUNIPER	144,541	144,541
042	0603542N	RADIOLOGICAL CONTROL	761	761
043	0603553N	SURFACE ASW	1,144	1,144
044	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	99,782	79,782
		Production delay		[-20,000]
045	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS	14,059	14,059
046	0603563N	SHIP CONCEPT ADVANCED DESIGN	111,590	111,590
047	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	106,957	106,957
048	0603570N	ADVANCED NUCLEAR POWER SYSTEMS	203,572	203,572
049	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS	78,122	78,122
050	0603576N	CHALK EAGLE	80,270	80,270
051	0603581N	LITTORAL COMBAT SHIP (LCS)	84,924	84,924
052	0603582N	COMBAT SYSTEM INTEGRATION	17,322	17,322
053	0603595N	OHIO REPLACEMENT	296,231	266,231
		Excessive cost growth		[-30,000]
054	0603596N	LCS MISSION MODULES	75,995	75,995
055	0603597N	AUTOMATED TEST AND RE-TEST (ATRT)	7,805	7,805
056	0603599N	FRIGATE DEVELOPMENT	109,459	109,459
057	0603609N	CONVENTIONAL MUNITIONS	7,296	7,296
058	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	77,065	77,065
059	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	34,785	34,785
060	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	8,774	8,774
061	0603721N	ENVIRONMENTAL PROTECTION	20,677	20,677
062	0603724N	NAVY ENERGY PROGRAM	33,824	33,824
063	0603725N	FACILITIES IMPROVEMENT	6,327	6,327
064	0603734N	CHALK CORAL	579,389	579,389
065	0603739N	NAVY LOGISTIC PRODUCTIVITY	669	669
066	0603746N	RETRACT MAPLE	295,295	295,295
067	0603748N	LINK PLUMERIA	692,280	692,280
068	0603751N	RETRACT ELM	83,904	83,904
069	0603764M	LINK EVERGREEN	221,253	221,253
071	0603790N	NATO RESEARCH AND DEVELOPMENT	5,805	5,805
072	0603795N	LAND ATTACK TECHNOLOGY	4,017	4,017
073	0603851M	JOINT NON-LETHAL WEAPONS TESTING	29,589	29,589
074	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL.	24,450	24,450
075	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	81,803	81,803
076	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST)	48,793	48,793

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
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Line	Program Element	Item	FY 2022 Request	House Authorized
077	0604027N	DIGITAL WARFARE OFFICE .....	46,769	46,769
078	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES ....	84,676	84,676
079	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES .....	59,299	59,299
081	0604031N	LARGE UNMANNED UNDERSEA VEHICLES .....	88,063	88,063
082	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80). Integrated Digital Shipbuilding .....	121,509	156,509 [35,000]
083	0604126N	LITTORAL AIRBORNE MCM .....	18,669	69
		COBRA Block II early to need .....		[-18,600]
084	0604127N	SURFACE MINE COUNTERMEASURES .....	13,655	13,655
085	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTER- MEASURES (TADIRCM).	33,246	33,246
086	0604289M	NEXT GENERATION LOGISTICS .....	1,071	1,071
087	0604292N	FUTURE VERTICAL LIFT (MARITIME STRIKE) .....	9,825	9,825
088	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE .....	6,555	6,555
089	0604454N	LX (R) .....	3,344	3,344
090	0604536N	ADVANCED UNDERSEA PROTOTYPING .....	58,473	58,473
091	0604636N	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS) .....	5,529	5,529
092	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM ....	97,944	97,944
093	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ ENGINEERING SUPPORT.	9,340	9,340
094	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOP- MENT.	127,756	127,756
095	0605512N	MEDIUM UNMANNED SURFACE VEHICLES (MUSVS) .....	60,028	60,028
096	0605513N	UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES .. USV machinery qualification insufficient justification .....	170,838	123,838 [-47,000]
097	0605514M	GROUND BASED ANTI-SHIP MISSILE (MARFORRES) .....	102,716	102,716
098	0605516M	LONG RANGE FIRES (MARFORRES) .....	88,479	88,479
099	0605518N	CONVENTIONAL PROMPT STRIKE (CPS) .....	1,372,340	1,372,340
100	0303354N	ASW SYSTEMS DEVELOPMENT—MIP .....	8,571	8,571
101	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	16,204	63,604
		KMAX .....		[12,400]
		Solar-powered UAS .....		[35,000]
102	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	506	506
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOP- MENT &amp; PROTOTYPES.</b>	<b>7,077,987</b>	<b>7,044,787</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
103	0603208N	TRAINING SYSTEM AIRCRAFT .....	5,864	5,864
104	0604212N	OTHER HELO DEVELOPMENT .....	56,444	49,312
		AURA—excess to need .....		[-7,132]
105	0604214M	AV-8B AIRCRAFT—ENG DEV .....	10,146	10,146
106	0604215N	STANDARDS DEVELOPMENT .....	4,082	4,082
107	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT .... Program increase—MH-60 modernization .....	46,418	56,418 [10,000]
108	0604221N	P-3 MODERNIZATION PROGRAM .....	579	579
109	0604230N	WARFARE SUPPORT SYSTEM .....	10,167	10,167
110	0604231N	COMMAND AND CONTROL SYSTEMS .....	122,913	122,913
111	0604234N	ADVANCED HAWKEYE .....	386,860	386,860
112	0604245M	H-1 UPGRADES .....	50,158	50,158
113	0604261N	ACOUSTIC SEARCH SENSORS .....	46,066	46,066
114	0604262N	V-22A .....	107,984	107,984
115	0604264N	AIR CREW SYSTEMS DEVELOPMENT .....	22,746	22,746
116	0604269N	EA-18 .....	68,425	68,425
117	0604270N	ELECTRONIC WARFARE DEVELOPMENT .....	139,535	136,593
		Dual Band Decey previously funded .....		[-2,942]
118	0604273M	EXECUTIVE HELO DEVELOPMENT .....	45,932	45,932
119	0604274N	NEXT GENERATION JAMMER (NGJ) .....	243,923	245,423
		High band risk reduction .....		[10,000]
		Test and evaluation delays .....		[-8,500]
120	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	234,434	234,434
121	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II .....	248,096	230,100
		Contract delays .....		[-17,996]
122	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING .....	371,575	371,575
123	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION .....	904	904
124	0604329N	SMALL DIAMETER BOMB (SDB) .....	46,769	46,769
125	0604366N	STANDARD MISSILE IMPROVEMENTS .....	343,511	343,511
126	0604373N	AIRBORNE MCM .....	10,881	10,881
127	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYS- TEMS ENGINEERING.	46,121	46,121
129	0604501N	ADVANCED ABOVE WATER SENSORS .....	77,852	77,852
130	0604503N	SSN-688 AND TRIDENT MODERNIZATION .....	95,693	95,693
131	0604504N	AIR CONTROL .....	27,499	27,499
132	0604512N	SHIPBOARD AVIATION SYSTEMS .....	8,924	8,924
133	0604518N	COMBAT INFORMATION CENTER CONVERSION .....	11,631	11,631
134	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM .....	96,556	96,556
135	0604530N	ADVANCED ARRESTING GEAR (AAG) .....	147	147
136	0604558N	NEW DESIGN SSN .....	503,252	503,252

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Line	Program Element	Item	FY 2022 Request	House Authorized
137	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM .....	62,115	68,115
		Submarine Launched UAS .....		[6,000]
138	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E .....	54,829	54,829
139	0604574N	NAVY TACTICAL COMPUTER RESOURCES .....	4,290	4,290
140	0604601N	MINE DEVELOPMENT .....	76,027	76,027
141	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	94,386	94,386
142	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	8,348	8,348
143	0604657M	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS— ENG DEV.	42,144	42,144
144	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FAC- TORS.	7,375	7,375
146	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	149,433	149,433
147	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	87,862	87,862
148	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	69,006	69,006
149	0604761N	INTELLIGENCE ENGINEERING .....	20,684	20,684
150	0604771N	MEDICAL DEVELOPMENT .....	3,967	3,967
151	0604777N	NAVIGATION/ID SYSTEM .....	48,837	48,837
152	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD .....	577	577
153	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD .....	262	262
154	0604850N	SSN(X) .....	29,829	29,829
155	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT .....	11,277	11,277
156	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT .....	243,828	243,828
157	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT .....	8,426	8,426
158	0605180N	TACAMO MODERNIZATION .....	150,592	90,472
		Unjustified air vehicle acquisition strategy .....		[-60,120]
159	0605212M	CH-53K RDTE .....	256,903	256,903
160	0605215N	MISSION PLANNING .....	88,128	88,128
161	0605217N	COMMON AVIONICS .....	60,117	60,117
162	0605220N	SHIP TO SHORE CONNECTOR (SSC) .....	6,320	6,320
163	0605327N	T-AO 205 CLASS .....	4,336	4,336
164	0605414N	UNMANNED CARRIER AVIATION (UCA) .....	268,937	268,937
165	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	356	356
166	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA) .....	27,279	27,279
167	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III .....	173,784	173,784
168	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOP- MENT & DEMONSTRATION.	80,709	80,709
169	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVEL- OPMENT & DEMONSTRATION.	2,005	2,005
170	0204202N	DDG-1000 .....	112,576	112,576
174	0304785N	ISR & INFO OPERATIONS .....	136,140	126,140
		Program decrease .....		[-10,000]
175	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	26,318	26,318
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEM- ONSTRATION.</b>	<b>5,910,089</b>	<b>5,829,399</b>
		<b>MANAGEMENT SUPPORT</b>		
176	0604256N	THREAT SIMULATOR DEVELOPMENT .....	20,862	20,862
177	0604258N	TARGET SYSTEMS DEVELOPMENT .....	12,113	12,113
178	0604759N	MAJOR T&E INVESTMENT .....	84,617	84,617
179	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,108	3,108
180	0605154N	CENTER FOR NAVAL ANALYSES .....	38,590	38,590
183	0605804N	TECHNICAL INFORMATION SERVICES .....	934	934
184	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT .....	93,966	93,966
185	0605856N	STRATEGIC TECHNICAL SUPPORT .....	3,538	3,538
186	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT .....	135,149	135,149
187	0605864N	TEST AND EVALUATION SUPPORT .....	429,277	429,277
188	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	24,872	24,872
189	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT .....	17,653	17,653
190	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,065	8,065
191	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT .....	47,042	44,042
		Wargaming capability project restructured .....		[-3,000]
192	0605898N	MANAGEMENT HQ—R&D .....	35,614	35,614
193	0606355N	WARFARE INNOVATION MANAGEMENT .....	38,958	38,958
194	0305327N	INSIDER THREAT .....	2,581	2,581
195	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUP- PORT ACTIVITIES).	1,747	1,747
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>998,686</b>	<b>995,686</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
199	0604840M	F-35 C2D2 .....	515,746	464,146
		TR-3/B4 cost growth .....		[-51,600]
200	0604840N	F-35 C2D2 .....	481,962	433,762
		TR-3/B4 cost growth .....		[-48,200]
201	0605520M	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS (MARFORRES).	65,381	65,381
202	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC) .....	176,486	176,486
203	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	177,098	186,098
		Next Generation Strategic Inertial Measurement Unit .....		[9,000]

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Line	Program Element	Item	FY 2022 Request	House Authorized
204	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	45,775	45,775
205	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	64,752	74,752
		MK 5 acoustic device countermeasure .....		[10,000]
206	0101402N	NAVY STRATEGIC COMMUNICATIONS .....	35,451	35,451
207	0204136N	F/A-18 SQUADRONS .....	189,224	193,224
		Jet Noise Reduction Technology .....		[4,000]
208	0204228N	SURFACE SUPPORT .....	13,733	13,733
209	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC) .....	132,181	132,181
210	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	84,276	84,276
211	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	6,261	6,261
212	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT) .....	1,657	1,657
213	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	21,367	21,367
214	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	56,741	56,741
215	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	62,006	62,006
216	0205601N	ANTI-RADIATION MISSILE IMPROVEMENT .....	133,520	133,520
217	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	28,804	28,804
218	0205632N	MK-48 ADCAP .....	114,492	114,492
219	0205633N	AVIATION IMPROVEMENTS .....	132,486	132,486
220	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS .....	113,760	113,760
221	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	89,897	89,897
222	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) .....	9,324	9,324
223	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYS- TEMS .....	108,235	108,235
224	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT .....	13,185	13,185
225	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP) .....	37,695	37,695
226	0206629M	AMPHIBIOUS ASSAULT VEHICLE .....	7,551	7,551
227	0207161N	TACTICAL AIM MISSILES .....	23,881	23,881
228	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) PLANNING AND DECISION AID SYSTEM (PDAS) .....	32,564	32,564
229	0208043N	PLANNING AND DECISION AID SYSTEM (PDAS) .....	3,101	3,101
234	0303138N	AFLOAT NETWORKS .....	30,890	30,890
235	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM .....	33,311	33,311
236	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	7,514	7,514
237	0305204N	TACTICAL UNMANNED AERIAL VEHICLES .....	9,837	9,837
238	0305205N	UAS INTEGRATION AND INTEROPERABILITY .....	9,797	9,797
239	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	38,800	38,800
240	0305220N	MQ-4C TRITON .....	13,029	13,029
241	0305231N	MQ-8 UAV .....	26,543	26,543
242	0305232M	RQ-11 UAV .....	533	533
243	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASLO) .....	1,772	1,772
245	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	59,252	59,252
246	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	9,274	9,274
247	0305251N	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT ..	36,378	36,378
248	0305421N	RQ-4 MODERNIZATION .....	134,323	134,323
249	0307577N	INTELLIGENCE MISSION DATA (IMD) .....	907	907
250	0308601N	MODELING AND SIMULATION SUPPORT .....	9,772	9,772
251	0702207N	DEPOT MAINTENANCE (NON-IF) .....	36,880	41,880
		CPF—Defense Industrial Skills and Technology Training .....		[5,000]
252	0708730N	MARITIME TECHNOLOGY (MARITECH) .....	3,329	3,329
253A	999999999	CLASSIFIED PROGRAMS .....	1,872,586	1,872,586
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOP- MENT.</b>	<b>5,313,319</b>	<b>5,241,519</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PRO- GRAMS</b>		
254	0608013N	RISK MANAGEMENT INFORMATION—SOFTWARE PILOT PROGRAM .....	13,703	13,703
255	0608113N	NAVY NEXT GENERATION ENTERPRISE NETWORK (NGEN)—SOFTWARE PILOT PROGRAM .....	955,151	955,151
256	0608231N	MARITIME TACTICAL COMMAND AND CONTROL (MTC2)— SOFTWARE PILOT PROGRAM .....	14,855	14,855
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>983,709</b>	<b>983,709</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>22,639,362</b>	<b>22,560,657</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF BASIC RESEARCH</b>		
001	0601102F	DEFENSE RESEARCH SCIENCES .....	328,303	338,303
		Space Force University Partnerships .....		[10,000]
002	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	162,403	163,903
		CPF—Neural-enabled Prosthetics .....		[1,500]
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>490,706</b>	<b>502,206</b>

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Line	Program Element	Item	FY 2022 Request	House Authorized
<b>APPLIED RESEARCH</b>				
004	0602020F	FUTURE AF CAPABILITIES APPLIED RESEARCH .....	79,901	79,901
005	0602102F	MATERIALS .....	113,460	128,460
		CPF—Affordable Multifunctional Aerospace Composites .....		[10,000]
		Maturation of carbon/carbon thermal protection systems .....		[5,000]
006	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	163,032	173,032
		Novel advanced agile air platform technologies .....		[10,000]
007	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	136,273	136,273
008	0602203F	AEROSPACE PROPULSION .....	174,683	174,683
009	0602204F	AEROSPACE SENSORS .....	193,514	202,214
		Chip-locking microelectronics security .....		[8,700]
011	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES.	8,891	8,891
012	0602602F	CONVENTIONAL MUNITIONS .....	151,757	151,757
013	0602605F	DIRECTED ENERGY TECHNOLOGY .....	121,869	124,369
		CPF—Directed Energy Research and Education for Workforce Development.		[2,500]
014	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	169,110	171,110
		CPF—Assessment of a National Laboratory for Transformational Computing.		[2,000]
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,312,490</b>	<b>1,350,690</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
017	0603032F	FUTURE AF INTEGRATED TECHNOLOGY DEMOS .....	131,643	131,643
018	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	31,905	46,905
		Metals affordability research .....		[15,000]
019	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) .....	21,057	21,057
020	0603203F	ADVANCED AEROSPACE SENSORS .....	44,730	44,730
021	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO .....	70,486	70,486
022	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	75,273	80,273
		CPF—Development of Advanced Propulsion Technologies for Hypersonic Systems.		[5,000]
023	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	46,591	46,591
026	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT.	24,589	24,589
027	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY .....	157,423	157,423
028	0603605F	ADVANCED WEAPONS TECHNOLOGY .....	28,258	28,258
029	0603680F	MANUFACTURING TECHNOLOGY PROGRAM .....	45,259	60,259
		Aerospace and defense supply ecosystem .....		[6,000]
		CPF—Additive Manufacturing and Ultra-High Performance Concrete.		[5,000]
		Universal robotic controller .....		[4,000]
030	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	56,772	56,772
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>733,986</b>	<b>768,986</b>
<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
031	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,795	5,795
032	0603742F	COMBAT IDENTIFICATION TECHNOLOGY .....	21,939	21,939
033	0603790F	NATO RESEARCH AND DEVELOPMENT .....	4,114	4,114
034	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL .....	49,621	49,621
036	0604001F	NC3 ADVANCED CONCEPTS .....	6,900	6,900
037	0604002F	AIR FORCE WEATHER SERVICES RESEARCH .....	986	986
038	0604003F	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS) .....	203,849	178,849
		Program decrease .....		[-25,000]
039	0604004F	ADVANCED ENGINE DEVELOPMENT .....	123,712	380,712
		Project 643608—AETP .....		[257,000]
040	0604006F	ARCHITECTURE INITIATIVES .....	82,438	48,438
		Program decrease .....		[-34,000]
041	0604015F	LONG RANGE STRIKE—BOMBER .....	2,872,624	2,872,624
042	0604032F	DIRECTED ENERGY PROTOTYPING .....	10,820	10,820
043	0604033F	HYPERSONICS PROTOTYPING .....	438,378	438,378
044	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	39,742	39,742
045	0604257F	ADVANCED TECHNOLOGY AND SENSORS .....	23,745	23,745
046	0604288F	SURVIVABLE AIRBORNE OPERATIONS CENTER .....	133,253	133,253
047	0604317F	TECHNOLOGY TRANSFER .....	15,768	15,768
048	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM.	15,886	15,886
049	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS .....	71,229	71,229
050	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	40,103	40,103
051	0604858F	TECH TRANSITION PROGRAM .....	343,545	343,545
052	0605230F	GROUND BASED STRATEGIC DETERRENT .....	2,553,541	2,553,541
054	0207110F	NEXT GENERATION AIR DOMINANCE .....	1,524,667	1,474,667
		High-Risk Technology Integration Plan .....		[-50,000]
056	0207522F	AIRBASE AIR DEFENSE SYSTEMS (ABADS) .....	10,905	10,905
057	0208030F	WAR RESERVE MATERIEL—AMMUNITION .....	3,943	3,943

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
059	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA) .....	43,881	43,881
061	0305601F	MISSION PARTNER ENVIRONMENTS .....	16,420	16,420
062	0306250F	CYBER OPERATIONS TECHNOLOGY SUPPORT .....	242,499	242,499
063	0306415F	ENABLED CYBER ACTIVITIES .....	16,578	16,578
066	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	20,343	20,343
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>8,937,224</b>	<b>9,085,224</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
078	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS .....	23,499	23,499
079	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	167,520	167,520
080	0604222F	NUCLEAR WEAPONS SUPPORT .....	30,050	30,050
081	0604270F	ELECTRONIC WARFARE DEVELOPMENT .....	2,110	7,110
		Program increase—Ultra-Wideband Receiver .....		[5,000]
082	0604281F	TACTICAL DATA NETWORKS ENTERPRISE .....	169,836	169,836
083	0604287F	PHYSICAL SECURITY EQUIPMENT .....	8,469	8,469
085	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT .....	9,047	9,047
086	0604604F	SUBMUNITIONS .....	2,954	2,954
087	0604617F	AGILE COMBAT SUPPORT .....	16,603	16,603
089	0604706F	LIFE SUPPORT SYSTEMS .....	25,437	25,437
090	0604735F	COMBAT TRAINING RANGES .....	23,980	23,980
092	0604932F	LONG RANGE STANDOFF WEAPON .....	609,042	609,042
093	0604933F	ICBM FUZE MODERNIZATION .....	129,709	129,709
095	0605056F	OPEN ARCHITECTURE MANAGEMENT .....	37,109	37,109
096	0605221F	KC-46 .....	1	1
097	0605223F	ADVANCED PILOT TRAINING .....	188,898	169,998
		MS-C Delay .....		[-18,900]
098	0605229F	HH-60W .....	66,355	30,506
		Early to need—capability upgrades and modernization .....		[-35,849]
101	0207171F	F-15 EPAWSS .....	112,012	112,012
102	0207328F	STAND IN ATTACK WEAPON .....	166,570	166,551
		SIAW Aeq Strategy Change .....		[-19]
103	0207701F	FULL COMBAT MISSION TRAINING .....	7,064	16,564
		Airborne Augmented Reality Technology .....		[9,500]
105	0401221F	KC-46A TANKER SQUADRONS .....	73,458	62,458
		RVS testing early to need .....		[-11,000]
107	0401319F	VC-25B .....	680,665	584,665
		Early to need .....		[-96,000]
108	0701212F	AUTOMATED TEST SYSTEMS .....	15,445	15,445
109	0804772F	TRAINING DEVELOPMENTS .....	4,482	4,482
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>2,570,315</b>	<b>2,423,047</b>
		<b>MANAGEMENT SUPPORT</b>		
124	0604256F	THREAT SIMULATOR DEVELOPMENT .....	41,909	41,909
125	0604759F	MAJOR T&E INVESTMENT .....	130,766	130,766
126	0605101F	RAND PROJECT AIR FORCE .....	36,017	36,017
128	0605712F	INITIAL OPERATIONAL TEST & EVALUATION .....	12,582	12,582
129	0605807F	TEST AND EVALUATION SUPPORT .....	811,032	811,032
131	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS .....	243,796	243,796
132	0605828F	ACQ WORKFORCE- GLOBAL REACH .....	435,930	435,930
133	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS .....	435,274	435,274
135	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION .....	243,806	243,806
136	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY .....	103,041	103,041
137	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS .....	226,055	226,055
138	0605898F	MANAGEMENT HQ—R&D .....	4,079	4,079
139	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	70,788	70,788
140	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT.	30,057	30,057
141	0606017F	REQUIREMENTS ANALYSIS AND MATURATION .....	85,799	85,799
142	0606398F	MANAGEMENT HQ—T&E .....	6,163	6,163
143	0303166F	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES.	537	537
144	0303255F	COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4)—STRATCOM.	25,340	45,340
		Establishment of Rapid Engineering Architecture Engineering Hub—collaborative research network.		[10,000]
		Establishment of Rapid Engineering Architecture Engineering Hub—prototype development.		[10,000]
145	0308602F	ENTERPRISE INFORMATION SERVICES (EIS) .....	28,720	28,720
146	0702806F	ACQUISITION AND MANAGEMENT SUPPORT .....	37,211	37,211
147	0804731F	GENERAL SKILL TRAINING .....	1,506	1,506
148	0804772F	TRAINING DEVELOPMENTS .....	2,957	2,957
150	1001004F	INTERNATIONAL ACTIVITIES .....	2,420	2,420
156	1206864F	SPACE TEST PROGRAM (STP) .....	3	3
		<b>SUBTOTAL MANAGEMENT SUPPORT</b>	<b>3,015,788</b>	<b>3,035,788</b>



SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
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Line	Program Element	Item	FY 2022 Request	House Authorized
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
157	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	5,509	5,509
158	0604445F	WIDE AREA SURVEILLANCE .....	2,760	2,760
160	0604840F	F-35 C2D2 .....	985,404	886,904
		TR-3/B4 cost growth .....		[-98,500]
161	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) ..	22,010	22,010
162	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	51,492	51,492
163	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .....	71,391	71,391
164	0605278F	HC/MC-130 RECAP RDT&E .....	46,796	46,796
165	0606018F	NC3 INTEGRATION .....	26,532	26,532
167	0101113F	B-52 SQUADRONS .....	715,811	568,811
		CERP contract delay early to need .....		[-147,000]
168	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	453	453
169	0101126F	B-1B SQUADRONS .....	29,127	29,127
170	0101127F	B-2 SQUADRONS .....	144,047	144,047
171	0101213F	MINUTEMAN SQUADRONS .....	113,622	113,622
172	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	15,202	15,202
174	0101328F	ICBM REENTRY VEHICLES .....	96,313	96,313
176	0102110F	UH-1N REPLACEMENT PROGRAM .....	16,132	16,132
177	0102326F	REGION/SECTOR OPERATION CONTROL CENTER MOD-ERNIZATION PROGRAM .....	771	771
178	0102412F	NORTH WARNING SYSTEM (NWS) .....	99	99
179	0102417F	OVER-THE-HORIZON BACKSCATTER RADAR .....	42,300	42,300
180	0202834F	VEHICLES AND SUPPORT EQUIPMENT—GENERAL .....	5,889	5,889
181	0205219F	MQ-9 UAV .....	85,135	84,121
		Early to need—program protection technology insertion .....		[-1,014]
182	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE .....	3,111	3,111
183	0207040F	MULTI-PLATFORM ELECTRONIC WARFARE EQUIPMENT .....	36,607	36,607
184	0207131F	A-10 SQUADRONS .....	39,224	39,224
185	0207133F	F-16 SQUADRONS .....	224,573	224,573
186	0207134F	F-15E SQUADRONS .....	239,616	239,616
187	0207136F	MANNED DESTRUCTIVE SUPPRESSION .....	15,855	15,855
188	0207138F	F-22A SQUADRONS .....	647,296	647,296
189	0207142F	F-35 SQUADRONS .....	69,365	64,475
		TR-3/B4 delay .....		[-4,890]
190	0207146F	F-15EX .....	118,126	118,126
191	0207161F	TACTICAL AIM MISSILES .....	32,974	32,974
192	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM) .....	51,288	51,288
193	0207227F	COMBAT RESCUE—PARARESCUE .....	852	852
194	0207247F	AF TENCAP .....	23,685	23,685
195	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT .....	12,083	12,083
196	0207253F	COMPASS CALL .....	91,266	91,266
197	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM .....	103,715	103,715
198	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) .....	117,325	117,325
199	0207327F	SMALL DIAMETER BOMB (SDB) .....	27,109	27,109
200	0207410F	AIR & SPACE OPERATIONS CENTER (AOC) .....	3	3
201	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	9,875	9,875
202	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	171,014	171,014
203	0207418F	AFSPECWAR—TACP .....	4,598	4,598
205	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	21,863	21,863
206	0207438F	THEATER BATTLE MANAGEMENT (TBM) C4I .....	7,905	7,905
207	0207439F	ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR) .....	15,000	15,000
208	0207444F	TACTICAL AIR CONTROL PARTY-MOD .....	13,081	13,081
209	0207452F	DCAPES .....	4,305	4,305
210	0207521F	AIR FORCE CALIBRATION PROGRAMS .....	1,984	1,984
211	0207522F	AIRBASE AIR DEFENSE SYSTEMS (ABADS) .....	7,392	7,392
212	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS .....	1,971	1,971
213	0207590F	SEEK EAGLE .....	30,539	30,539
214	0207601F	USAF MODELING AND SIMULATION .....	17,110	17,110
215	0207605F	WARGAMING AND SIMULATION CENTERS .....	7,535	7,535
216	0207610F	BATTLEFIELD ABN COMM NODE (BACN) .....	32,008	32,008
217	0207697F	DISTRIBUTED TRAINING AND EXERCISES .....	4,007	4,007
218	0208006F	MISSION PLANNING SYSTEMS .....	92,557	92,557
219	0208007F	TACTICAL DECEPTION .....	489	489
220	0208064F	OPERATIONAL HQ—CYBER .....	2,115	2,115
221	0208087F	DISTRIBUTED CYBER WARFARE OPERATIONS .....	72,487	72,487
222	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS .....	18,449	18,449
223	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2) .....	79,079	79,079
224	0208099F	UNIFIED PLATFORM (UP) .....	101,893	101,893
228	0208288F	INTEL DATA APPLICATIONS .....	493	493
229	0301025F	GEOBASE .....	2,782	2,782
231	0301113F	CYBER SECURITY INTELLIGENCE SUPPORT .....	5,224	5,224
238	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS .....	2,463	2,463
239	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) ...	26,331	26,331
240	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN) .....	20,700	20,700

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Line	Program Element	Item	FY 2022 Request	House Authorized
242	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM .....	8,032	8,032
243	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	452	452
244	0303248F	ALL DOMAIN COMMON PLATFORM .....	64,000	64,000
246	0304260F	AIRBORNE SIGINT ENTERPRISE .....	97,546	93,546
		Excess carryover—Special projects .....		[-4,000]
247	0304310F	COMMERCIAL ECONOMIC ANALYSIS .....	3,770	8,770
		CPF—Mobilizing Civilian Expertise for National Security Edu- cation on Geo-Economics, and Innovation in the Era of Great Power Competition.		[5,000]
251	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY .....	1,663	1,663
252	0305022F	ISR MODERNIZATION & AUTOMATION DVMT (IMAD) .....	18,888	15,888
		Excess to need .....		[-3,000]
253	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,672	4,672
254	0305103F	CYBER SECURITY INITIATIVE .....	290	290
255	0305111F	WEATHER SERVICE .....	26,228	36,228
		Commercial Weather Data Pilot .....		[10,000]
256	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCAL).	8,749	8,749
257	0305116F	AERIAL TARGETS .....	1,528	1,528
260	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES .....	223	223
262	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	8,733	8,733
264	0305179F	INTEGRATED BROADCAST SERVICE (IBS) .....	21,335	21,335
265	0305202F	DRAGON U-2 .....	17,146	17,146
267	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS .....	71,791	81,791
		Program increase—Sensor Open Systems Architecture (SOSA) High Altitude Project.		[10,000]
268	0305207F	MANNED RECONNAISSANCE SYSTEMS .....	14,799	14,799
269	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	24,568	24,568
270	0305220F	RQ-4 UAV .....	83,124	83,124
271	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING .....	17,224	17,224
272	0305238F	NATO AGS .....	19,473	19,473
273	0305240F	SUPPORT TO DCGS ENTERPRISE .....	40,421	40,421
274	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND AR- CHITECTURES.	14,473	14,473
275	0305881F	RAPID CYBER ACQUISITION .....	4,326	4,326
276	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2) .....	2,567	2,567
277	0307577F	INTELLIGENCE MISSION DATA (IMD) .....	6,169	6,169
278	0401115F	C-130 AIRLIFT SQUADRON .....	9,752	9,752
279	0401119F	C-5 AIRLIFT SQUADRONS (IF) .....	17,507	17,507
280	0401130F	C-17 AIRCRAFT (IF) .....	16,360	16,360
281	0401132F	C-130J PROGRAM .....	14,112	14,112
282	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCIM) .....	5,540	5,540
283	0401218F	KC-135S .....	3,564	3,564
285	0401318F	CV-22 .....	17,189	17,189
286	0408011F	SPECIAL TACTICS / COMBAT CONTROL .....	6,640	6,640
288	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM .....	26,921	26,921
289	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	7,071	7,071
291	0804743F	OTHER FLIGHT TRAINING .....	1,999	1,999
293	0901202F	JOINT PERSONNEL RECOVERY AGENCY .....	1,841	1,841
294	0901218F	CIVILIAN COMPENSATION PROGRAM .....	3,560	3,560
295	0901220F	PERSONNEL ADMINISTRATION .....	3,368	3,368
296	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,248	1,248
297	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVEL- OPMENT.	4,852	4,852
301	1202140F	SERVICE SUPPORT TO SPACECOM ACTIVITIES .....	6,737	6,737
316A	999999999	CLASSIFIED PROGRAMS .....	15,868,973	15,708,973
		Program decrease .....		[-160,000]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOP- MENT.</b>	<b>21,705,541</b>	<b>21,312,137</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PRO- GRAMS</b>		
317	0608158F	STRATEGIC MISSION PLANNING AND EXECUTION SYS- TEM—SOFTWARE PILOT PROGRAM.	96,100	96,100
318	0608410F	AIR & SPACE OPERATIONS CENTER (AOC)—SOFTWARE PILOT PROGRAM.	186,915	186,915
319	0608920F	DEFENSE ENTERPRISE ACCOUNTING AND MANAGEMENT SYSTEM (DEAMS)—SOFTWARE PILOT PRO.	135,263	135,263
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>418,278</b>	<b>418,278</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>39,184,328</b>	<b>38,896,356</b>
		<b>RDTE, SPACE FORCE APPLIED RESEARCH</b>		
001	1206601SF	SPACE TECHNOLOGY .....	175,796	230,796
		Hybrid Space Architecture .....		[20,000]

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Line	Program Element	Item	FY 2022 Request	House Authorized
		Space Power and Collection Technology .....		[35,000]
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>175,796</b>	<b>230,796</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
002	1206616SF	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO .....	76,653	76,653
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT</b> .....	<b>76,653</b>	<b>76,653</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
003	1203164SF	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE) .....	434,194	434,194
004	1203710SF	EO/IR WEATHER SYSTEMS .....	162,274	162,274
005	1203905SF	SPACE SYSTEM SUPPORT .....	37,000	0
		Surface Warfare Analysis Center, insufficient justification – partial transfer to SSDP. ....		[-37,000]
006	1206422SF	WEATHER SYSTEM FOLLOW-ON .....	61,521	71,521
		Program Increase .....		[10,000]
007	1206425SF	SPACE SITUATION AWARENESS SYSTEMS .....	123,262	123,262
008	1206427SF	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT) .....	101,851	101,851
009	1206438SF	SPACE CONTROL TECHNOLOGY .....	32,931	32,931
010	1206730SF	SPACE SECURITY AND DEFENSE PROGRAM .....	56,546	66,546
		Transfer from Surface Warfare Analysis Center .....		[10,000]
011	1206760SF	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) .....	100,320	100,320
012	1206761SF	PROTECTED TACTICAL SERVICE (PTS) .....	243,285	243,285
013	1206855SF	EVOLVED STRATEGIC SATCOM (ESS) .....	160,056	160,056
014	1206857SF	SPACE RAPID CAPABILITIES OFFICE .....	66,193	69,093
		High Power Density Structural Heat Spreaders .....		[2,900]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b> .....	<b>1,579,433</b>	<b>1,565,333</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
015	1203269SF	GPS III FOLLOW-ON (GPS III-F) .....	264,265	264,265
016	1203940SF	SPACE SITUATION AWARENESS OPERATIONS .....	56,279	56,279
017	1206421SF	COUNTERSPACE SYSTEMS .....	38,063	38,063
018	1206422SF	WEATHER SYSTEM FOLLOW-ON .....	1,438	1,438
019	1206425SF	SPACE SITUATION AWARENESS SYSTEMS .....	127,026	127,026
020	1206431SF	ADVANCED EHF MILSATCOM (SPACE) .....	28,218	28,218
021	1206432SF	POLAR MILSATCOM (SPACE) .....	127,870	127,870
022	1206442SF	NEXT GENERATION OPIR .....	2,451,256	2,451,256
023	1206445SF	COMMERCIAL SATCOM (COMSATCOM) INTEGRATION .....	23,400	23,400
024	1206853SF	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD. ....	221,510	271,510
		Maintain competition for Ph3 – DoD unique requirements .....		[50,000]
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b> .....	<b>3,339,325</b>	<b>3,389,325</b>
		<b>MANAGEMENT SUPPORT</b>		
025	1206116SF	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	19,319	19,319
026	1206392SF	ACQ WORKFORCE—SPACE & MISSILE SYSTEMS .....	214,051	214,051
027	1206398SF	SPACE & MISSILE SYSTEMS CENTER—MHA .....	12,119	12,119
028	1206759SF	MAJOR T&E INVESTMENT—SPACE .....	71,503	81,503
		Increase SCN Antenna Resources .....		[10,000]
029	1206860SF	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	17,769	21,769
		CPF—Small Rocket Program .....		[4,000]
030	1206862SF	TACTICALLY RESPONSIVE LAUNCH .....		50,000
		Continue FY 2021 efforts .....		[50,000]
031	1206864SF	SPACE TEST PROGRAM (STP) .....	20,881	20,881
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>355,642</b>	<b>419,642</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
033	1201017SF	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) .....	4,731	4,731
034	1203001SF	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) .....	156,788	156,788
035	1203040SF	DCO-SPACE .....	2,150	2,150
036	1203109SF	NARROWBAND SATELLITE COMMUNICATIONS .....	112,012	112,012
037	1203110SF	SATELLITE CONTROL NETWORK (SPACE) .....	36,810	36,810
038	1203163SF	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS) .....	1,966	1,966
039	1203173SF	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	1,699	1,699
040	1203174SF	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT. ....	18,054	18,054
041	1203182SF	SPACE LIFT RANGE SYSTEM (SPACE) .....	11,115	33,115
		High-Fidelity Open-Air Scene Target Generator .....		[10,000]
		CPF—Tactically Responsive Launch/Deployable Spaceport .....		[7,000]
		Program Increase .....		[5,000]
042	1203265SF	GPS III SPACE SEGMENT .....	7,207	7,207
043	1203330SF	SPACE SUPERIORITY ISR .....	18,109	18,109
044	1203620SF	NATIONAL SPACE DEFENSE CENTER .....	1,280	1,280

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Line	Program Element	Item	FY 2022 Request	House Authorized
045	1203873SF	BALLISTIC MISSILE DEFENSE RADARS .....	12,292	12,292
046	1203906SF	NCMC—TWAA SYSTEM .....	9,858	9,858
047	1203913SF	NUDET DETECTION SYSTEM (SPACE) .....	45,887	45,887
048	1203940SF	SPACE SITUATION AWARENESS OPERATIONS .....	64,763	64,763
049	1206423SF	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT.	413,766	413,766
053	1206770SF	ENTERPRISE GROUND SERVICES .....	191,713	191,713
053A	9999999999	CLASSIFIED PROGRAMS .....	4,474,809	4,474,809
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>5,585,009</b>	<b>5,607,009</b>
		<b>SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
054	1203614SF	JSPOC MISSION SYSTEM .....	154,529	154,529
		<b>SUBTOTAL SOFTWARE &amp; DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>154,529</b>	<b>154,529</b>
		<b>TOTAL RDTE, SPACE FORCE .....</b>	<b>11,266,387</b>	<b>11,443,287</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>		
		<b>BASIC RESEARCH</b>		
001	0601000BR	DTRA BASIC RESEARCH .....	11,828	11,828
002	0601101E	DEFENSE RESEARCH SCIENCES .....	395,781	397,281
		CPF—Novel Analytical and Empirical Approaches to the Prediction and Monitoring of Disease Transmission.		[1,500]
003	0601108D8Z	HIGH ENERGY LASER RESEARCH INITIATIVES .....	15,390	15,390
004	0601110D8Z	BASIC RESEARCH INITIATIVES .....	39,828	106,528
		Consortium to Study Irregular Warfare .....		[8,000]
		CPF—Florida Memorial University Department of Natural Sciences STEM Equipment.		[400]
		CPF—SOUTHCOM Enhanced Domain Awareness (EDA) Initiative.		[1,300]
		Minerva research initiative restoration .....		[13,000]
		MURI R&D Partnerships with allies—program enhancement .....		[20,000]
		Providing Research and End-user Products to Accelerate Readiness and Environmental Security (PREPARES).		[24,000]
005	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	76,018	76,018
006	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	112,195	122,195
		Civics education .....		[2,000]
		CPF—Florida Memorial Avionics Smart Scholars .....		[1,000]
		SMART scholarships for AI related education .....		[3,000]
		SMART scholarships program increase .....		[4,000]
007	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MINORITY INSTITUTIONS.	31,136	53,247
		CPF—Augmenting Quantum Sensing Research, Education and Training in DoD CoE at DSU.		[1,111]
		CPF—HBCU Training for the Future of Aerospace .....		[1,000]
		Diversity in SMART Scholarships .....		[10,000]
		Program increase .....		[10,000]
008	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	34,708	34,708
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>716,884</b>	<b>817,195</b>
		<b>APPLIED RESEARCH</b>		
009	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	19,591	19,591
010	0602115E	BIOMEDICAL TECHNOLOGY .....	108,698	108,698
012	0602230D8Z	DEFENSE TECHNOLOGY INNOVATION .....	22,918	22,918
013	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM .....	55,692	55,692
014	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES.	65,015	65,015
015	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY .....	430,363	430,363
016	0602383E	BIOLOGICAL WARFARE DEFENSE .....	31,421	31,421
017	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	206,956	206,956
018	0602668D8Z	CYBER SECURITY RESEARCH .....	15,380	15,380
019	0602702E	TACTICAL TECHNOLOGY .....	202,515	202,515
020	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	317,024	317,024
021	0602716E	ELECTRONICS TECHNOLOGY .....	357,384	357,384
022	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RESEARCH.	197,011	197,011
023	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH.	9,601	9,601
024	0602890D8Z	HIGH ENERGY LASER RESEARCH .....	45,997	95,997
		Directed Energy Innovation—Improved beam control .....		[50,000]
025	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	44,829	54,829
		Brain Health Research and Treatment, Cognitive Performance .....		[5,000]
		POTFF—Brain Health Research .....		[5,000]
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>2,130,395</b>	<b>2,190,395</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
026	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	23,213	23,213

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Line	Program Element	Item	FY 2022 Request	House Authorized
027	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT .....	4,665	4,665
028	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	69,376	69,376
029	0603133D8Z	FOREIGN COMPARATIVE TESTING .....	25,432	25,432
031	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	399,362	404,362
		Reduced order models .....		[5,000]
032	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT ...	15,800	15,800
033	0603180C	ADVANCED RESEARCH .....	21,466	21,466
034	0603183D8Z	JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT &TRANSITION.	51,340	51,340
035	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	19,063	19,063
036	0603286E	ADVANCED AEROSPACE SYSTEMS .....	174,043	174,043
037	0603287E	SPACE PROGRAMS AND TECHNOLOGY .....	101,524	101,524
038	0603288D8Z	ANALYTIC ASSESSMENTS .....	24,012	24,012
039	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	51,513	51,513
042	0603338D8Z	DEFENSE MODERNIZATION AND PROTOTYPING .....	115,443	115,443
043	0603342D8Z	DEFENSE INNOVATION UNIT (DIU) .....	31,873	31,873
044	0603375D8Z	TECHNOLOGY INNOVATION .....	54,433	54,433
045	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEVELOPMENT.	197,824	197,824
046	0603527D8Z	RETRACT LARCH .....	99,175	99,175
047	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	18,221	18,221
048	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	102,669	102,669
049	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	2,984	2,984
050	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM.	134,022	353,322
		Biotechnology innovation—Enabling Modular and Scalable Bio-industrial & Reusable Assets.		[200,000]
		CPF—Cold Spray and Rapid Deposition Lab .....		[1,300]
		HPC-enabled advanced manufacturing .....		[15,000]
		Non-destructive evaluation of carbon-carbon composites .....		[3,000]
051	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	37,543	37,543
053	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	12,418	12,418
054	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	51,863	81,863
		APFF replacement .....		[15,000]
		PFAS environmental remediation and disposal .....		[15,000]
055	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT.	160,821	160,821
056	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	2,169	2,169
057	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	116,716	116,716
058	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	251,794	266,794
		Deep water active sonar .....		[15,000]
059	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	584,771	594,771
		Ocean of Things phase 3 demonstration .....		[10,000]
060	0603767E	SENSOR TECHNOLOGY .....	294,792	294,792
061	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT.	6,398	6,398
062	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE .....	14,677	14,677
065	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	107,397	129,397
		Short pulse laser research .....		[10,000]
		Thermal management scaling .....		[12,000]
066	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	267,161	267,161
067	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK .....	21,270	40,000
		Program increase .....		[18,730]
068	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	74,300	74,300
074	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	93,415	98,415
		SOF Platform Agnostic Data Storage Capability .....		[5,000]
075	1206310SDA	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT.	172,638	172,638
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>4,007,596</b>	<b>4,332,626</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
076	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P.	28,687	28,687
077	0603600D8Z	WALKOFF .....	108,652	108,652
079	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM.	71,429	96,429
		APFF innovation prize .....		[5,000]
		APFF replacement .....		[5,000]
		Environmental remediation and disposal .....		[10,000]
		Military Energy Resilience Catalyst .....		[5,000]
080	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT.	277,949	213,382
		Unjustified request, lacking acquisition strategy—LHD .....		[-64,567]
081	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT.	745,144	745,144

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082	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEM/VAL.	129,445	129,445
083	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	224,750	224,750
084	0603890C	BMD ENABLING PROGRAMS .....	595,301	595,301
085	0603891C	SPECIAL PROGRAMS—MDA .....	413,374	413,374
086	0603892C	AEGIS BMD .....	732,512	633,549
		Unjustified request, lacking acquisition strategy—LHD .....		[-98,963]
087	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATI.	603,448	603,448
088	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT.	50,594	50,594
089	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC).	52,403	52,403
090	0603906C	REGARDING TRENCH .....	11,952	11,952
091	0603907C	SEA BASED X-BAND RADAR (SBX) .....	147,241	147,241
092	0603913C	ISRAELI COOPERATIVE PROGRAMS .....	300,000	300,000
093	0603914C	BALLISTIC MISSILE DEFENSE TEST .....	362,906	362,906
094	0603915C	BALLISTIC MISSILE DEFENSE TARGETS .....	553,334	553,334
096	0603923D8Z	COALITION WARFARE .....	5,103	5,103
097	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G).	374,665	374,665
098	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,259	3,259
099	0604102C	GUAM DEFENSE DEVELOPMENT .....	78,300	118,300
		Transfer from Procurement .....		[40,000]
100	0604115C	TECHNOLOGY MATURATION INITIATIVES .....		34,000
		Continue Diode Pumped Alkali Laser Demonstrator Development		[25,000]
		Short Pulse Laser Directed Energy Demonstration .....		[9,000]
103	0604181C	HYPERSOニック DEFENSE .....	247,931	247,931
104	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	716,456	716,456
105	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	509,195	509,195
106	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	103,575	103,575
107	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING .....	11,213	26,213
		National Security Innovation Capital program increase .....		[15,000]
108	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	2,778	2,778
109	0604551BR	CATAPULT .....	7,166	7,166
110	0604555D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT—NON S&T.	23,200	23,200
111	0604672C	HOMELAND DEFENSE RADAR—HAWAII (HDR-H) .....		75,000
		Restore program .....		[75,000]
113	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA).	3,519	3,519
114	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	17,439	17,439
115	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR) .....	133,335	133,335
116	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	926,125	926,125
117	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST.	32,697	32,697
118	0604878C	AEGIS BMD TEST .....	117,055	117,055
119	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	77,428	77,428
120	0604880C	LAND-BASED SM-3 (LBSM3) .....	43,158	43,158
121	0604887C	BALLISTIC MISSILE DEFENSE MIDCOURSE SEGMENT TEST	61,424	61,424
122	0202057C	SAFETY PROGRAM MANAGEMENT .....	2,323	2,323
123	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS .....	2,568	2,568
125	0305103C	CYBER SECURITY INITIATIVE .....	1,142	1,142
126	1206410SDA	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING ...	636,179	642,179
		Laser Communication Terminal Technologies .....		[6,000]
127	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM .....	15,176	15,176
128	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS ..	292,811	292,811
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>9,854,341</b>	<b>9,885,811</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
129	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	5,682	5,682
131	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD ....	299,848	299,848
132	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	9,345	9,345
133	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT.	14,063	14,063
134	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT .....	4,265	4,265
135	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE .....	7,205	7,205
136	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM .....	5,447	5,447
137	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES .....	16,892	16,892
138	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION.	679	679
140	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	32,254	32,254
142	0605141BR	MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS).	5,500	5,500

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143	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.	7,148	7,148	
144	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	113,895	113,895	
146	060572D8Z	NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS .....	3,991	3,991	
149	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EIM).	2,227	2,227	
150	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION.	20,246	20,246	
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>548,687</b>	<b>548,687</b>	
		<b>MANAGEMENT SUPPORT</b>			
151	0603829J	JOINT CAPABILITY EXPERIMENTATION .....	8,444	8,444	
152	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS) .....	7,508	7,508	
153	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	7,859	7,859	
154	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT (CTEIP).	550,140	550,140	
155	0604942D8Z	ASSESSMENTS AND EVALUATIONS .....	17,980	17,980	
156	0605001E	MISSION SUPPORT .....	73,145	73,145	
157	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	71,410	71,410	
159	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION (JIAMDO).	52,671	52,671	
161	0605142D8Z	SYSTEMS ENGINEERING .....	40,030	40,030	
162	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD .....	4,612	4,612	
163	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY .....	14,429	14,429	
164	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	4,759	4,759	
165	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,952	1,952	
166	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	110,503	110,503	
172	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	3,639	8,639	
		Transition education for DEPSCoR and underserved communities		[5,000]	
173	0605797D8Z	MAINTAINING TECHNOLOGY ADVANTAGE .....	25,889	25,889	
174	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS .....	39,774	247,774	
		PNT Modernization—Signals of Opportunity .....		[140,000]	
		Spectrum Innovation—Low SWaP-C directional sources .....		[68,000]	
175	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	61,453	61,453	
176	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	18,762	18,762	
177	0605804D8Z	DEVELOPMENT TEST AND EVALUATION .....	27,366	27,366	
178	0605898E	MANAGEMENT HQ—R&D .....	12,740	12,740	
179	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	3,549	3,549	
180	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS .....	15,438	15,438	
181	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS .....	2,897	2,897	
182	0606589DSW	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.	918	918	
183	0606771D8Z	CYBER RESILIENCY AND CYBERSECURITY POLICY .....	31,638	31,638	
184	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) .....	2,925	2,925	
185	0204571J	JOINT STAFF ANALYTICAL SUPPORT .....	977	977	
186	0208045K	C4I INTEROPERABILITY .....	55,361	55,361	
189	0303140SE	INFORMATION SYSTEMS SECURITY PROGRAM .....	853	853	
191	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO).	969	969	
192	0305172K	COMBINED ADVANCED APPLICATIONS .....	15,696	15,696	
194	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	3,073	3,073	
197	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	29,530	29,530	
198	0808709SE	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI).	689	689	
199	0901598C	MANAGEMENT HQ—MDA .....	24,102	24,102	
200	0903235K	JOINT SERVICE PROVIDER (JSP) .....	2,645	2,645	
201A	9999999999	CLASSIFIED PROGRAMS .....	37,520	37,520	
		<b>SUBTOTAL MANAGEMENT SUPPORT</b> .....	<b>1,383,845</b>	<b>1,596,845</b>	
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>			
202	0604130V	ENTERPRISE SECURITY SYSTEM (ESS) .....	5,355	5,355	
203	0604532K	JOINT ARTIFICIAL INTELLIGENCE .....	10,033	10,033	
206	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	58,189	83,189	
		Advanced Shipbuilding Workforce Development .....		[10,000]	
		Carbon/carbon industrial base enhancement .....		[15,000]	
207	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT ..	18,721	18,721	
208	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	7,398	7,398	
209	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	58,261	58,261	
215	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	16,233	16,233	
216	0303126K	LONG-HAUL COMMUNICATIONS—DCS .....	10,275	10,275	

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	House Authorized
217	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	4,892	4,892
218	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI) .....	83,751	83,751
219	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM .....	49,191	49,191
220	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM .....	423,745	438,745
		ISSP for GENCYBER .....		[15,000]
221	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM .....	5,707	5,707
222	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	4,150	4,150
223	0303153K	DEFENSE SPECTRUM ORGANIZATION .....	19,302	19,302
224	0303228K	JOINT REGIONAL SECURITY STACKS (JRSS) .....	9,342	9,342
226	0303430V	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	15,326	15,326
232	0305128V	SECURITY AND INVESTIGATIVE ACTIVITIES .....	8,800	8,800
235	0305146V	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	3,820	3,820
237	0305186D8Z	POLICY R&D PROGRAMS .....	4,843	4,843
238	0305199D8Z	NET CENTRICITY .....	13,471	13,471
240	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	5,994	5,994
247	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	1,273	1,273
255	0708012K	LOGISTICS SUPPORT ACTIVITIES .....	1,690	1,690
256	0708012S	PACIFIC DISASTER CENTERS .....	1,799	1,799
257	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	6,390	6,390
259	1105219BB	MQ-9 UAV .....	19,065	19,065
261	1160403BB	AVIATION SYSTEMS .....	173,537	173,537
262	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	32,766	32,766
263	1160408BB	OPERATIONAL ENHANCEMENTS .....	145,830	160,830
		AI in Small Unit Maneuver (AISUM) .....		[10,000]
		High-energy laser technologies .....		[5,000]
264	1160431BB	WARRIOR SYSTEMS .....	78,592	78,592
265	1160432BB	SPECIAL PROGRAMS .....	6,486	6,486
266	1160434BB	UNMANNED ISR .....	18,006	18,006
267	1160480BB	SOF TACTICAL VEHICLES .....	7,703	7,703
268	1160483BB	MARITIME SYSTEMS .....	58,430	58,430
270	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	10,990	10,990
271A	9999999999	CLASSIFIED PROGRAMS .....	5,208,029	5,208,029
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>6,607,385</b>	<b>6,662,385</b>
		<b>SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS</b>		
272	0604532K	JOINT ARTIFICIAL INTELLIGENCE .....	186,639	186,639
273	0608197V	NATIONAL BACKGROUND INVESTIGATION SERVICES—SOFTWARE PILOT PROGRAM.	123,570	123,570
274	0608648D8Z	ACQUISITION VISIBILITY—SOFTWARE PILOT PROGRAM .....	18,307	18,307
275	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	32,774	32,774
276	0308588D8Z	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS—SOFTWARE PILOT PROGRAM.	247,452	237,452
		Program decrease .....		[-10,000]
		<b>SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.</b>	<b>608,742</b>	<b>598,742</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>25,857,875</b>	<b>26,632,686</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
001	0605118OTE	OPERATIONAL TEST AND EVALUATION .....	105,394	105,394
002	0605131OTE	LIVE FIRE TEST AND EVALUATION .....	68,549	72,549
		University-based cyber and software centers of excellence for Operational Test & Evaluation.		[4,000]
003	0605814OTE	OPERATIONAL TEST ACTIVITIES AND ANALYSES .....	42,648	42,648
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>216,591</b>	<b>220,591</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE</b>	<b>216,591</b>	<b>220,591</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>111,964,188</b>	<b>112,801,363</b>





1 **TITLE XLIII—OPERATION AND**  
 2 **MAINTENANCE**  
 3 **SEC. 4301. OPERATION AND MAINTENANCE.**

<b>SEC. 4301. OPERATION AND MAINTENANCE</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS .....	3,563,856	3,322,341
	OFS Drawdown .....		[-191,515]
	Unjustified growth .....		[-50,000]
020	MODULAR SUPPORT BRIGADES .....	142,082	142,082
030	ECHELONS ABOVE BRIGADE .....	758,174	748,174
	Unjustified growth .....		[-10,000]
040	THEATER LEVEL ASSETS .....	2,753,783	1,619,442
	OFS Drawdown .....		[-998,027]
	Unjustified growth .....		[-136,314]
050	LAND FORCES OPERATIONS SUPPORT .....	1,110,156	1,110,156
060	AVIATION ASSETS .....	1,795,522	1,775,522
	Unjustified growth .....		[-20,000]
070	FORCE READINESS OPERATIONS SUPPORT .....	7,442,976	5,238,248
	Advanced Bomb Suit .....		[12,940]
	Multi-Domain Operations—Live .....		[1,500]
	OFS Drawdown .....		[-2,144,168]
	Unjustified growth .....		[-75,000]
080	LAND FORCES SYSTEMS READINESS .....	580,921	580,921
	Sustainment and maintenance of quality of life infrastruc- ture .....		[20,000]
	Unjustified growth .....		[-20,000]
090	LAND FORCES DEPOT MAINTENANCE .....	1,257,959	1,257,959
100	MEDICAL READINESS .....	1,102,964	1,102,964
110	BASE OPERATIONS SUPPORT .....	8,878,603	8,878,603
120	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	4,051,869	4,501,869
	Program increase .....		[450,000]
130	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	289,891	291,041
	Autonomic Security Operations Center .....		[1,150]
140	ADDITIONAL ACTIVITIES .....	526,517	556,517
	Security Operations Center as a service .....		[30,000]
160	RESET .....	397,196	392,196
	Unjustified growth .....		[-5,000]
170	US AFRICA COMMAND .....	384,791	384,791
180	US EUROPEAN COMMAND .....	293,932	293,932
190	US SOUTHERN COMMAND .....	196,726	196,726
200	US FORCES KOREA .....	67,052	67,052
210	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	621,836	621,836
220	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	629,437	629,437
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>36,846,243</b>	<b>33,711,809</b>
<b>MOBILIZATION</b>			
230	STRATEGIC MOBILITY .....	353,967	385,454
	APS-4 South Humanitarian Assistance-Disaster Relief Site		[31,487]
240	ARMY PREPOSITIONED STOCKS .....	381,192	381,192
250	INDUSTRIAL PREPAREDNESS .....	3,810	3,810
	<b>SUBTOTAL MOBILIZATION</b> .....	<b>738,969</b>	<b>770,456</b>
<b>TRAINING AND RECRUITING</b>			
260	OFFICER ACQUISITION .....	163,568	163,568
270	RECRUIT TRAINING .....	75,140	75,140
280	ONE STATION UNIT TRAINING .....	81,274	81,274
290	SENIOR RESERVE OFFICERS TRAINING CORPS .....	520,973	520,973
300	SPECIALIZED SKILL TRAINING .....	998,869	998,869
310	FLIGHT TRAINING .....	1,309,556	1,309,556
320	PROFESSIONAL DEVELOPMENT EDUCATION .....	218,651	218,651
330	TRAINING SUPPORT .....	616,380	616,380
340	RECRUITING AND ADVERTISING .....	683,569	683,569
350	EXAMINING .....	169,442	169,442
360	OFF-DUTY AND VOLUNTARY EDUCATION .....	214,923	214,923

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
370	CIVILIAN EDUCATION AND TRAINING .....	220,589	220,589
380	JUNIOR RESERVE OFFICER TRAINING CORPS .....	187,569	187,569
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>5,460,503</b>	<b>5,460,503</b>
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
400	SERVICEWIDE TRANSPORTATION .....	684,562	672,562
	Unjustified growth .....		[-12,000]
410	CENTRAL SUPPLY ACTIVITIES .....	808,895	808,895
420	LOGISTIC SUPPORT ACTIVITIES .....	767,053	767,053
430	AMMUNITION MANAGEMENT .....	469,038	469,038
440	ADMINISTRATION .....	488,535	468,535
	Unjustified growth .....		[-20,000]
450	SERVICEWIDE COMMUNICATIONS .....	1,952,742	1,952,742
460	MANPOWER MANAGEMENT .....	323,273	323,273
470	OTHER PERSONNEL SUPPORT .....	663,602	663,602
480	OTHER SERVICE SUPPORT .....	2,004,981	1,981,381
	Unjustified growth .....		[-23,600]
490	ARMY CLAIMS ACTIVITIES .....	180,178	180,178
500	REAL ESTATE MANAGEMENT .....	269,009	269,009
510	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	437,940	437,940
520	INTERNATIONAL MILITARY HEADQUARTERS .....	482,571	482,571
530	MISC. SUPPORT OF OTHER NATIONS .....	29,670	29,670
575	CLASSIFIED PROGRAMS .....	2,008,633	2,008,633
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES ...</b>	<b>11,570,682</b>	<b>11,515,082</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>54,616,397</b>	<b>51,457,850</b>
<b>OPERATION &amp; MAINTENANCE, ARMY RES OPERATING FORCES</b>			
010	MODULAR SUPPORT BRIGADES .....	10,465	10,465
020	ECHELONS ABOVE BRIGADE .....	554,992	554,992
030	THEATER LEVEL ASSETS .....	120,892	120,892
040	LAND FORCES OPERATIONS SUPPORT .....	597,718	597,718
050	AVIATION ASSETS .....	111,095	111,095
060	FORCE READINESS OPERATIONS SUPPORT .....	385,506	385,506
070	LAND FORCES SYSTEMS READINESS .....	98,021	98,021
080	LAND FORCES DEPOT MAINTENANCE .....	34,368	34,368
090	BASE OPERATIONS SUPPORT .....	584,513	584,513
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	342,433	342,433
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	22,472	22,472
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	2,764	2,764
130	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,476	7,476
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,872,715</b>	<b>2,872,715</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
140	SERVICEWIDE TRANSPORTATION .....	15,400	15,400
150	ADMINISTRATION .....	19,611	19,611
160	SERVICEWIDE COMMUNICATIONS .....	37,458	37,458
170	MANPOWER MANAGEMENT .....	7,162	7,162
180	RECRUITING AND ADVERTISING .....	48,289	48,289
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>127,920</b>	<b>127,920</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES .....</b>	<b>3,000,635</b>	<b>3,000,635</b>
<b>OPERATION &amp; MAINTENANCE, ARNG OPERATING FORCES</b>			
010	MANEUVER UNITS .....	799,854	799,854
020	MODULAR SUPPORT BRIGADES .....	211,561	211,561
030	ECHELONS ABOVE BRIGADE .....	835,709	835,709
040	THEATER LEVEL ASSETS .....	101,179	101,179
050	LAND FORCES OPERATIONS SUPPORT .....	34,436	34,436
060	AVIATION ASSETS .....	1,110,416	1,110,416
070	FORCE READINESS OPERATIONS SUPPORT .....	704,827	704,827
080	LAND FORCES SYSTEMS READINESS .....	47,886	47,886
090	LAND FORCES DEPOT MAINTENANCE .....	244,439	244,439
100	BASE OPERATIONS SUPPORT .....	1,097,960	1,097,960

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	956,988	956,988
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS ...	1,047,870	1,047,870
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS .....	8,071	8,071
140	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,828	7,828
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,209,024</b>	<b>7,209,024</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
150	SERVICEWIDE TRANSPORTATION .....	8,017	8,017
160	ADMINISTRATION .....	76,993	76,993
170	SERVICEWIDE COMMUNICATIONS .....	101,113	101,113
180	MANPOWER MANAGEMENT .....	8,920	8,920
190	OTHER PERSONNEL SUPPORT .....	240,292	240,292
200	REAL ESTATE MANAGEMENT .....	2,850	2,850
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>438,185</b>	<b>438,185</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>7,647,209</b>	<b>7,647,209</b>
	<b>AFGHANISTAN SECURITY FORCES FUND</b>		
	<b>AFGHAN NATIONAL ARMY</b>		
010	SUSTAINMENT .....	1,053,668	0
	OFS Drawdown .....		[-1,053,668]
020	INFRASTRUCTURE .....	1,818	0
	OFS Drawdown .....		[-1,818]
030	EQUIPMENT AND TRANSPORTATION .....	22,911	0
	OFS Drawdown .....		[-22,911]
040	TRAINING AND OPERATIONS .....	31,837	0
	OFS Drawdown .....		[-31,837]
	<b>SUBTOTAL AFGHAN NATIONAL ARMY .....</b>	<b>1,110,234</b>	<b>0</b>
	<b>AFGHAN NATIONAL POLICE</b>		
050	SUSTAINMENT .....	440,628	0
	OFS Drawdown .....		[-440,628]
070	EQUIPMENT AND TRANSPORTATION .....	38,551	0
	OFS Drawdown .....		[-38,551]
080	TRAINING AND OPERATIONS .....	38,152	0
	OFS Drawdown .....		[-38,152]
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>517,331</b>	<b>0</b>
	<b>AFGHAN AIR FORCE</b>		
090	SUSTAINMENT .....	562,056	0
	OFS Drawdown .....		[-562,056]
110	EQUIPMENT AND TRANSPORTATION .....	26,600	0
	OFS Drawdown .....		[-26,600]
120	TRAINING AND OPERATIONS .....	169,684	0
	OFS Drawdown .....		[-169,684]
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>758,340</b>	<b>0</b>
	<b>AFGHAN SPECIAL SECURITY FORCES</b>		
130	SUSTAINMENT .....	685,176	0
	OFS Drawdown .....		[-685,176]
150	EQUIPMENT AND TRANSPORTATION .....	78,962	0
	OFS Drawdown .....		[-78,962]
160	TRAINING AND OPERATIONS .....	177,767	0
	OFS Drawdown .....		[-177,767]
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES .....</b>	<b>941,905</b>	<b>0</b>
	<b>UNDISTRIBUTED</b>		
170	UNDISTRIBUTED .....		350,000
	Contract close-out and other close-out operations .....		[350,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>		<b>350,000</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND .....</b>	<b>3,327,810</b>	<b>350,000</b>
	<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>		
010	IRAQ .....	345,000	345,000

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
020	SYRIA .....	177,000	177,000
	<b>SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>522,000</b>	<b>522,000</b>
	<b>TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF) .....</b>	<b>522,000</b>	<b>522,000</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	6,264,654	6,264,654
020	FLEET AIR TRAINING .....	2,465,007	2,465,007
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	55,140	55,140
040	AIR OPERATIONS AND SAFETY SUPPORT .....	197,904	197,904
050	AIR SYSTEMS SUPPORT .....	1,005,932	1,005,932
060	AIRCRAFT DEPOT MAINTENANCE .....	1,675,356	1,675,356
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	65,518	65,518
080	AVIATION LOGISTICS .....	1,460,546	1,440,546
	Historical underexecution .....		[-20,000]
090	MISSION AND OTHER SHIP OPERATIONS .....	5,858,028	5,858,028
100	SHIP OPERATIONS SUPPORT & TRAINING .....	1,154,696	1,154,696
110	SHIP DEPOT MAINTENANCE .....	10,300,078	10,300,078
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,188,454	2,188,454
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	1,551,846	1,551,846
140	SPACE SYSTEMS AND SURVEILLANCE .....	327,251	327,251
150	WARFARE TACTICS .....	798,082	798,082
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	447,486	447,486
170	COMBAT SUPPORT FORCES .....	2,250,756	2,250,756
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	192,968	192,968
190	COMBATANT COMMANDERS CORE OPERATIONS .....	61,614	61,614
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	198,596	198,596
210	MILITARY INFORMATION SUPPORT OPERATIONS .....	8,984	8,984
220	CYBERSPACE ACTIVITIES .....	565,926	565,926
230	FLEET BALLISTIC MISSILE .....	1,476,247	1,471,247
	Historical underexecution .....		[-5,000]
240	WEAPONS MAINTENANCE .....	1,538,743	1,513,743
	Historical underexecution .....		[-25,000]
250	OTHER WEAPON SYSTEMS SUPPORT .....	592,357	587,357
	Historical underexecution .....		[-5,000]
260	ENTERPRISE INFORMATION .....	734,970	714,970
	Program decrease .....		[-20,000]
270	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	2,961,937	3,411,937
	Program increase .....		[450,000]
280	BASE OPERATING SUPPORT .....	4,826,314	4,826,314
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>51,225,390</b>	<b>51,600,390</b>
	<b>MOBILIZATION</b>		
290	SHIP PREPOSITIONING AND SURGE .....	457,015	380,531
	Historical underexecution .....		[-76,484]
300	READY RESERVE FORCE .....	645,522	645,522
310	SHIP ACTIVATIONS/INACTIVATIONS .....	353,530	348,530
	Historical underexecution .....		[-5,000]
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	149,384	149,384
330	COAST GUARD SUPPORT .....	20,639	20,639
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,626,090</b>	<b>1,544,606</b>
	<b>TRAINING AND RECRUITING</b>		
340	OFFICER ACQUISITION .....	172,913	172,913
350	RECRUIT TRAINING .....	13,813	13,813
360	RESERVE OFFICERS TRAINING CORPS .....	167,152	167,152
370	SPECIALIZED SKILL TRAINING .....	1,053,104	1,053,104
380	PROFESSIONAL DEVELOPMENT EDUCATION .....	311,209	315,509
	Sea Cadets .....		[4,300]
390	TRAINING SUPPORT .....	306,302	306,302
400	RECRUITING AND ADVERTISING .....	205,219	205,219
410	OFF-DUTY AND VOLUNTARY EDUCATION .....	79,053	79,053
420	CIVILIAN EDUCATION AND TRAINING .....	109,754	109,754

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
430	JUNIOR ROTC .....	57,323	57,323
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,475,842</b>	<b>2,480,142</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
440	ADMINISTRATION .....	1,268,961	1,246,353
	Program decrease .....		[-50,000]
	Restoration of cuts to Naval Audit Service .....		[27,392]
450	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT .....	212,952	212,952
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	562,546	562,546
470	MEDICAL ACTIVITIES .....	285,436	285,436
480	SERVICEWIDE TRANSPORTATION .....	217,782	217,782
500	PLANNING, ENGINEERING, AND PROGRAM SUPPORT ..	479,480	479,480
510	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	741,045	741,045
520	INVESTIGATIVE AND SECURITY SERVICES .....	738,187	733,187
	Historical underexecution .....		[-5,000]
665	CLASSIFIED PROGRAMS .....	607,517	607,517
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>5,113,906</b>	<b>5,086,298</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>60,441,228</b>	<b>60,711,436</b>
<b>OPERATION &amp; MAINTENANCE, MARINE CORPS OPERATING FORCES</b>			
010	OPERATIONAL FORCES .....	1,587,456	1,587,456
020	FIELD LOGISTICS .....	1,532,630	1,532,630
030	DEPOT MAINTENANCE .....	215,949	215,949
040	MARITIME PREPOSITIONING .....	107,969	107,969
050	CYBERSPACE ACTIVITIES .....	233,486	233,486
060	SUSTAINMENT, RESTORATION & MODERNIZATION .....	1,221,117	1,221,117
070	BASE OPERATING SUPPORT .....	2,563,278	2,563,278
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,461,885</b>	<b>7,461,885</b>
<b>TRAINING AND RECRUITING</b>			
080	RECRUIT TRAINING .....	24,729	24,729
090	OFFICER ACQUISITION .....	1,208	1,208
100	SPECIALIZED SKILL TRAINING .....	110,752	110,752
110	PROFESSIONAL DEVELOPMENT EDUCATION .....	61,539	61,539
120	TRAINING SUPPORT .....	490,975	490,975
130	RECRUITING AND ADVERTISING .....	223,643	223,643
140	OFF-DUTY AND VOLUNTARY EDUCATION .....	49,369	49,369
150	JUNIOR ROTC .....	26,065	26,065
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>988,280</b>	<b>988,280</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
160	SERVICEWIDE TRANSPORTATION .....	100,475	100,475
170	ADMINISTRATION .....	410,729	410,729
215	CLASSIFIED PROGRAMS .....	63,422	63,422
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>574,626</b>	<b>574,626</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>9,024,791</b>	<b>9,024,791</b>
<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	628,522	628,522
020	INTERMEDIATE MAINTENANCE .....	9,593	9,593
030	AIRCRAFT DEPOT MAINTENANCE .....	135,280	135,280
040	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	497	497
050	AVIATION LOGISTICS .....	29,435	29,435
070	COMBAT COMMUNICATIONS .....	18,469	18,469
080	COMBAT SUPPORT FORCES .....	136,710	136,710
090	CYBERSPACE ACTIVITIES .....	440	440
100	ENTERPRISE INFORMATION .....	26,628	26,628
110	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	42,311	42,311
120	BASE OPERATING SUPPORT .....	103,606	103,606
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,131,491</b>	<b>1,131,491</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
130	ADMINISTRATION .....	1,943	1,943
140	MILITARY MANPOWER AND PERSONNEL MANAGE- MENT .....	12,191	12,191
150	ACQUISITION AND PROGRAM MANAGEMENT .....	3,073	3,073
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>17,207</b>	<b>17,207</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>	<b>1,148,698</b>	<b>1,148,698</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>		
010	OPERATING FORCES .....	102,271	102,271
020	DEPOT MAINTENANCE .....	16,811	16,811
030	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	42,702	42,702
040	BASE OPERATING SUPPORT .....	109,210	109,210
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>270,994</b>	<b>270,994</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
050	ADMINISTRATION .....	14,056	14,056
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>14,056</b>	<b>14,056</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE .....</b>	<b>285,050</b>	<b>285,050</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	706,860	564,412
	Historical underexecution .....		[-75,000]
	OFS Drawdown .....		[-67,448]
020	COMBAT ENHANCEMENT FORCES .....	2,382,448	2,068,529
	OFS Drawdown .....		[-313,919]
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) Historical underexecution .....	1,555,320	1,351,542
	OFS Drawdown .....		[-200,000]
	OFS Drawdown .....		[-3,778]
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	3,661,762	3,651,762
	Historical underexecution .....		[-10,000]
050	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	3,867,114	4,317,114
	Program increase .....		[450,000]
060	CYBERSPACE SUSTAINMENT .....	179,568	179,568
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP- PORT .....	8,457,653	8,642,653
	F-35 WSS Air Force UPL .....		[185,000]
080	FLYING HOUR PROGRAM .....	5,646,730	5,085,772
	OFS Drawdown .....		[-560,958]
090	BASE SUPPORT .....	9,846,037	9,884,037
	Sustainment and maintenance of quality of life infrastruc- ture .....		[20,000]
	U.S. Air Force Academy IT Modernization .....		[18,000]
100	GLOBAL C3I AND EARLY WARNING .....	979,705	978,190
	OFS Drawdown .....		[-1,515]
110	OTHER COMBAT OPS SPT PROGRAMS .....	1,418,515	1,406,592
	OFS Drawdown .....		[-11,923]
120	CYBERSPACE ACTIVITIES .....	864,761	864,761
150	SPACE CONTROL SYSTEMS .....	13,223	13,223
160	US NORTHCOM/NORAD .....	196,774	196,774
170	US STRATCOM .....	475,015	475,015
180	US CYBERCOM .....	389,663	389,663
190	US CENTCOM .....	372,354	372,354
200	US SOCOM .....	28,733	28,733
220	CENTCOM CYBERSPACE SUSTAINMENT .....	1,289	1,289
230	USSPACECOM .....	272,601	282,601
	Bridging Space Protection Gaps—Commercial SSA .....		[10,000]
235	CLASSIFIED PROGRAMS .....	1,454,383	1,454,383
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>42,770,508</b>	<b>42,208,967</b>
	<b>MOBILIZATION</b>		
240	AIRLIFT OPERATIONS .....	2,422,784	2,422,784
250	MOBILIZATION PREPAREDNESS .....	667,851	667,851
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>3,090,635</b>	<b>3,090,635</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>TRAINING AND RECRUITING</b>			
260	OFFICER ACQUISITION .....	156,193	156,193
270	RECRUIT TRAINING .....	26,072	26,072
280	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	127,693	127,693
290	SPECIALIZED SKILL TRAINING .....	491,286	482,056
	OFS Drawdown .....		[-9,230]
300	FLIGHT TRAINING .....	718,742	718,742
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	302,092	302,092
320	TRAINING SUPPORT .....	162,165	162,165
330	RECRUITING AND ADVERTISING .....	171,339	171,339
340	EXAMINING .....	8,178	8,178
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	236,760	236,760
360	CIVILIAN EDUCATION AND TRAINING .....	306,602	306,602
370	JUNIOR ROTC .....	65,940	65,940
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,773,062</b>	<b>2,763,832</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
380	LOGISTICS OPERATIONS .....	1,062,709	1,062,709
390	TECHNICAL SUPPORT ACTIVITIES .....	169,957	169,957
400	ADMINISTRATION .....	1,005,827	995,827
	Program decrease .....		[-10,000]
410	SERVICEWIDE COMMUNICATIONS .....	31,054	31,054
420	OTHER SERVICEWIDE ACTIVITIES .....	1,470,757	1,470,757
430	CIVIL AIR PATROL .....	29,128	47,300
	Civil Air Patrol .....		[18,172]
450	INTERNATIONAL SUPPORT .....	81,118	81,118
455	CLASSIFIED PROGRAMS .....	1,391,720	1,391,720
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>5,242,270</b>	<b>5,250,442</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE .....</b>	<b>53,876,475</b>	<b>53,313,876</b>
<b>OPERATION &amp; MAINTENANCE, SPACE FORCE OPERATING FORCES</b>			
010	GLOBAL C3I & EARLY WARNING .....	495,615	495,615
020	SPACE LAUNCH OPERATIONS .....	185,700	185,700
030	SPACE OPERATIONS .....	611,269	611,269
040	EDUCATION & TRAINING .....	22,887	22,887
060	DEPOT MAINTENANCE .....	280,165	280,165
070	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	213,347	213,347
080	CONTRACTOR LOGISTICS AND SYSTEM SUPPORT .....	1,158,707	1,158,707
090	SPACE OPERATIONS -BOS .....	143,520	143,520
095	CLASSIFIED PROGRAMS .....	172,755	172,755
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,283,965</b>	<b>3,283,965</b>
<b>ADMINISTRATION AND SERVICE WIDE ACTIVITIES</b>			
100	ADMINISTRATION .....	156,747	156,747
	<b>SUBTOTAL ADMINISTRATION AND SERVICE WIDE ACTIVITIES .....</b>	<b>156,747</b>	<b>156,747</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, SPACE FORCE .....</b>	<b>3,440,712</b>	<b>3,440,712</b>
<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>			
010	PRIMARY COMBAT FORCES .....	1,665,015	1,565,015
	Historical underexecution .....		[-100,000]
020	MISSION SUPPORT OPERATIONS .....	179,486	169,486
	Historical underexecution .....		[-10,000]
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	530,540	530,540
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	114,987	114,987
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	254,831	254,831
060	BASE SUPPORT .....	470,801	470,801
070	CYBERSPACE ACTIVITIES .....	1,372	1,372
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,217,032</b>	<b>3,107,032</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
<b>ADMINISTRATION AND SERVICEWIDE ACTIVITIES</b>			
080	ADMINISTRATION .....	91,289	91,289
090	RECRUITING AND ADVERTISING .....	23,181	23,181
100	MILITARY MANPOWER AND PERS MGMT (ARPC) .....	13,966	13,966
110	OTHER PERS SUPPORT (DISABILITY COMP) .....	6,196	6,196
120	AUDIOVISUAL .....	442	442
	<b>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES .....</b>	<b>135,074</b>	<b>135,074</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE .....</b>		<b>3,352,106</b>	<b>3,242,106</b>
<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>			
010	AIRCRAFT OPERATIONS .....	2,281,432	2,281,432
020	MISSION SUPPORT OPERATIONS .....	582,848	582,848
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	1,241,318	1,241,318
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	353,193	353,193
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	1,077,654	1,077,654
060	BASE SUPPORT .....	908,198	908,198
070	CYBERSPACE SUSTAINMENT .....	23,895	23,895
080	CYBERSPACE ACTIVITIES .....	17,263	17,263
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>6,485,801</b>	<b>6,485,801</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
090	ADMINISTRATION .....	46,455	46,455
100	RECRUITING AND ADVERTISING .....	41,764	41,764
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>88,219</b>	<b>88,219</b>
<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b>		<b>6,574,020</b>	<b>6,574,020</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>			
010	JOINT CHIEFS OF STAFF .....	407,240	407,240
020	JOINT CHIEFS OF STAFF—CE2T2 .....	554,634	554,634
030	JOINT CHIEFS OF STAFF—CYBER .....	8,098	8,098
050	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES .....	2,044,479	2,027,479
	Program decrease .....		[-17,000]
060	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES .....	45,851	45,851
070	SPECIAL OPERATIONS COMMAND INTELLIGENCE .....	1,614,757	1,614,757
080	SPECIAL OPERATIONS COMMAND MAINTENANCE .....	1,081,869	1,083,869
	Advanced Engine Performance and Restoration Program (Nucleated Foam) .....		[2,000]
090	SPECIAL OPERATIONS COMMAND MANAGEMENT/ OPERATIONAL HEADQUARTERS .....	180,042	172,042
	Program decrease .....		[-8,000]
100	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT .....	1,202,060	1,205,060
	JMWC .....		[3,000]
110	SPECIAL OPERATIONS COMMAND THEATER FORCES ..	3,175,789	3,175,789
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>10,314,819</b>	<b>10,294,819</b>
<b>TRAINING AND RECRUITING</b>			
130	DEFENSE ACQUISITION UNIVERSITY .....	171,607	171,607
140	JOINT CHIEFS OF STAFF .....	92,905	92,905
150	PROFESSIONAL DEVELOPMENT EDUCATION .....	31,669	31,669
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>296,181</b>	<b>296,181</b>
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
170	CIVIL MILITARY PROGRAMS .....	137,311	228,311
	National Guard Youth Challenge .....		[50,000]



SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	STARBASE .....		[41,000]
190	DEFENSE CONTRACT AUDIT AGENCY .....	618,526	618,526
200	DEFENSE CONTRACT AUDIT AGENCY—CYBER .....	3,984	3,984
220	DEFENSE CONTRACT MANAGEMENT AGENCY .....	1,438,296	1,438,296
230	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER .....	11,999	11,999
240	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY .....	941,488	941,488
260	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY—CYBER .....	9,859	9,859
270	DEFENSE HUMAN RESOURCES ACTIVITY .....	816,168	821,168
	Defense Suicide Prevention Office .....		[5,000]
280	DEFENSE HUMAN RESOURCES ACTIVITY—CYBER .....	17,655	17,655
290	DEFENSE INFORMATION SYSTEMS AGENCY .....	1,913,734	1,923,769
	Program increase—cloud migration and technology .....		[10,000]
	Secure Congressional communications .....		[35]
310	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER ..	530,278	580,278
	Hardening DODIN .....		[50,000]
350	DEFENSE LEGAL SERVICES AGENCY .....	229,498	229,498
360	DEFENSE LOGISTICS AGENCY .....	402,864	407,664
	Procurement Technical Assistance Program .....		[4,800]
370	DEFENSE MEDIA ACTIVITY .....	222,655	222,655
380	DEFENSE PERSONNEL ACCOUNTING AGENCY .....	130,174	130,174
390	DEFENSE SECURITY COOPERATION AGENCY .....	2,067,446	2,033,046
	Baltic Security Initiative .....		[175,000]
	Offset for Baltic Security Initiative .....		[-175,000]
	Program increase .....		[215,600]
	Transfer to Ukraine Security Assistance .....		[-250,000]
420	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION ..	39,305	39,305
440	DEFENSE THREAT REDUCTION AGENCY .....	885,749	885,749
460	DEFENSE THREAT REDUCTION AGENCY—CYBER .....	36,736	36,736
470	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	3,138,345	3,208,345
	Impact Aid .....		[50,000]
	Impact Aid—Students with Disabilities .....		[20,000]
490	MISSILE DEFENSE AGENCY .....	502,450	502,450
530	OFFICE OF THE LOCAL DEFENSE COMMUNITY CO-OPERATION—OSD .....	89,686	107,686
	Defense Community Infrastructure Program .....		[15,000]
	Oversight Personnel .....		[3,000]
540	OFFICE OF THE SECRETARY OF DEFENSE .....	1,766,614	1,821,114
	Assistant Secretary of Defense for Energy, Installation and Environment oversight personnel .....		[10,000]
	Basic Needs Allowance .....		[50,000]
	CAPE Civilian Technical Staff Increase .....		[3,000]
	CAPE cost data and software initiative increase .....		[3,500]
	DIU Civilian Technical Staff Increase .....		[3,000]
	DOT&E Civilian Technical Staff Increase .....		[3,000]
	Program decrease .....		[-18,000]
550	OFFICE OF THE SECRETARY OF DEFENSE—CYBER .....	32,851	32,851
560	SPACE DEVELOPMENT AGENCY .....	53,851	53,851
570	WASHINGTON HEADQUARTERS SERVICES .....	369,698	369,698
575	CLASSIFIED PROGRAMS .....	17,900,146	17,900,146
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES ...</b>	<b>34,307,366</b>	<b>34,576,301</b>
	<b>UNDISTRIBUTED</b>		
580	UNDISTRIBUTED .....		422,055
	Afghanistan withdrawal contingency costs .....		[250,000]
	FSRM increase for Defense-wide activities .....		[172,055]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>		<b>422,055</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>44,918,366</b>	<b>45,589,356</b>
	<b>UKRAINE SECURITY ASSISTANCE</b>		
010	UKRAINE SECURITY ASSISTANCE INITIATIVE .....		275,000
	Program increase .....		[25,000]
	Transfer from Defense Security Cooperation Agency .....		[250,000]
	<b>SUBTOTAL UKRAINE SECURITY ASSISTANCE .....</b>		<b>275,000</b>
	<b>TOTAL UKRAINE SECURITY ASSISTANCE ...</b>		<b>275,000</b>

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	<b>US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES</b>		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	15,589	15,589
	<b>SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES .....</b>	<b>15,589</b>	<b>15,589</b>
	<b>TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF .....</b>	<b>15,589</b>	<b>15,589</b>
	<b>DOD ACQUISITION WORKFORCE DEVELOPMENT FUND</b>		
	<b>ACQUISITION WORKFORCE DEVELOPMENT</b>		
010	ACQ WORKFORCE DEV FD .....	54,679	54,679
	<b>SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT .....</b>	<b>54,679</b>	<b>54,679</b>
	<b>TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND .....</b>	<b>54,679</b>	<b>54,679</b>
	<b>OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID</b>		
	<b>HUMANITARIAN ASSISTANCE</b>		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	110,051	650,051
	Afghan SIV costs .....		[500,000]
	Program Increase .....		[40,000]
	<b>SUBTOTAL HUMANITARIAN ASSISTANCE .....</b>	<b>110,051</b>	<b>650,051</b>
	<b>TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID .....</b>	<b>110,051</b>	<b>650,051</b>
	<b>COOPERATIVE THREAT REDUCTION ACCOUNT</b>		
010	COOPERATIVE THREAT REDUCTION .....	239,849	239,849
	<b>SUBTOTAL COOPERATIVE THREAT REDUCTION .....</b>	<b>239,849</b>	<b>239,849</b>
	<b>TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT .....</b>	<b>239,849</b>	<b>239,849</b>
	<b>ENVIRONMENTAL RESTORATION</b>		
	<b>DEPARTMENT OF THE ARMY</b>		
050	ENVIRONMENTAL RESTORATION, ARMY .....	200,806	300,806
	Program increase for PFAS .....		[100,000]
	<b>SUBTOTAL DEPARTMENT OF THE ARMY .....</b>	<b>200,806</b>	<b>300,806</b>
	<b>DEPARTMENT OF THE NAVY</b>		
060	ENVIRONMENTAL RESTORATION, NAVY .....	298,250	472,250
	Program increase for PFAS .....		[174,000]
	<b>SUBTOTAL DEPARTMENT OF THE NAVY .....</b>	<b>298,250</b>	<b>472,250</b>
	<b>DEPARTMENT OF THE AIR FORCE</b>		
070	ENVIRONMENTAL RESTORATION, AIR FORCE .....	301,768	476,768
	Program increase for PFAS .....		[175,000]
	<b>SUBTOTAL DEPARTMENT OF THE AIR FORCE .....</b>	<b>301,768</b>	<b>476,768</b>
	<b>DEFENSE-WIDE</b>		
080	ENVIRONMENTAL RESTORATION, DEFENSE .....	8,783	58,783
	Military Munitions Response Program .....		[50,000]
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>8,783</b>	<b>58,783</b>
	<b>DEFENSE-WIDE</b>		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	218,580	392,580
	Program increase .....		[74,000]
	Program increase for PFAS .....		[100,000]
	<b>SUBTOTAL DEFENSE-WIDE .....</b>	<b>218,580</b>	<b>392,580</b>

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**SEC. 4301. OPERATION AND MAINTENANCE**  
**(In Thousands of Dollars)**

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<b>Line</b>	<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
	<b>TOTAL ENVIRONMENTAL RESTORATION ....</b>	<b>1,028,187</b>	<b>1,701,187</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>253,623,852</b>	<b>249,244,094</b>

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1 **TITLE XLIV—MILITARY**  
2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

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**SEC. 4401. MILITARY PERSONNEL**  
(In Thousands of Dollars)

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Item	FY 2022 Request	House Authorized
<b>Military Personnel Appropriations</b> .....	<b>157,947,920</b>	<b>157,447,920</b>
Historical underexecution .....		[-500,000]
<b>Medicare-Eligible Retiree Health Fund Contributions</b> .....	<b>9,337,175</b>	<b>9,337,175</b>

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1 **TITLE XLV—OTHER**  
 2 **AUTHORIZATIONS**

3 **SEC. 4501. OTHER AUTHORIZATIONS.**

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
<b>WORKING CAPITAL FUND, ARMY</b>		
ARMY ARSENALS INITIATIVE .....	26,935	26,935
ARMY SUPPLY MANAGEMENT .....	357,776	357,776
<b>TOTAL WORKING CAPITAL FUND, ARMY .....</b>	<b>384,711</b>	<b>384,711</b>
<b>WORKING CAPITAL FUND, NAVY</b>		
SUPPLY MANAGEMENT—NAVY .....	150,000	150,000
<b>TOTAL WORKING CAPITAL FUND, NAVY .....</b>	<b>150,000</b>	<b>150,000</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>		
SUPPLY MANAGEMENT .....	77,453	77,453
<b>TOTAL WORKING CAPITAL FUND, AIR FORCE .....</b>	<b>77,453</b>	<b>77,453</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>		
ENERGY MANAGEMENT—DEFENSE .....	40,000	40,000
SUPPLY CHAIN MANAGEMENT—DEFENSE .....	87,765	87,765
<b>TOTAL WORKING CAPITAL FUND, DEFENSE- WIDE .....</b>	<b>127,765</b>	<b>127,765</b>
<b>WORKING CAPITAL FUND, DECA</b>		
COMMISSARY OPERATIONS .....	1,162,071	1,162,071
<b>TOTAL WORKING CAPITAL FUND, DECA .....</b>	<b>1,162,071</b>	<b>1,162,071</b>
<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>		
CHEM DEMILITARIZATION—O&M .....	93,121	93,121
CHEM DEMILITARIZATION—RDT&E .....	1,001,231	1,001,231
<b>TOTAL CHEM AGENTS &amp; MUNITIONS DE- STRUCTION .....</b>	<b>1,094,352</b>	<b>1,094,352</b>
<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
COUNTER-NARCOTICS SUPPORT .....	593,250	593,250
DRUG DEMAND REDUCTION PROGRAM .....	126,024	126,024
NATIONAL GUARD COUNTER-DRUG PROGRAM .....	96,970	96,970
NATIONAL GUARD COUNTER-DRUG SCHOOLS .....	5,664	5,664
<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF .....</b>	<b>821,908</b>	<b>821,908</b>
<b>OFFICE OF THE INSPECTOR GENERAL</b>		
OFFICE OF THE INSPECTOR GENERAL .....	434,700	434,700
OFFICE OF THE INSPECTOR GENERAL—CYBER .....	1,218	1,218
OFFICE OF THE INSPECTOR GENERAL—RDTE .....	2,365	2,365
OFFICE OF THE INSPECTOR GENERAL—PROCURE- MENT .....	80	80
<b>TOTAL OFFICE OF THE INSPECTOR GEN- ERAL .....</b>	<b>438,363</b>	<b>438,363</b>
<b>DEFENSE HEALTH PROGRAM</b>		
IN-HOUSE CARE .....	9,720,004	9,720,004
PRIVATE SECTOR CARE .....	18,092,679	18,092,679
CONSOLIDATED HEALTH SUPPORT .....	1,541,122	1,551,122
Global Emerging Infectious Surveillance Program .....		[10,000]
INFORMATION MANAGEMENT .....	2,233,677	2,233,677

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)		
<b>Item</b>	<b>FY 2022 Request</b>	<b>House Authorized</b>
MANAGEMENT ACTIVITIES .....	335,138	335,138
EDUCATION AND TRAINING .....	333,234	348,734
DWR cut reversal to USUHS Basic Research Program .....		[15,500]
BASE OPERATIONS/COMMUNICATIONS .....	1,926,865	1,941,865
National Disaster Medical System Surge Partnerships .....		[15,000]
R&D RESEARCH .....	9,091	9,091
R&D EXPLORATORY DEVELOPMENT .....	75,463	75,463
R&D ADVANCED DEVELOPMENT .....	235,556	235,556
R&D DEMONSTRATION/VALIDATION .....	142,252	142,252
R&D ENGINEERING DEVELOPMENT .....	101,054	116,054
Brainscope .....		[5,000]
Freeze-dried platelets .....		[10,000]
R&D MANAGEMENT AND SUPPORT .....	49,645	49,645
R&D CAPABILITIES ENHANCEMENT .....	17,619	17,619
PROC INITIAL OUTFITTING .....	20,926	20,926
PROC REPLACEMENT & MODERNIZATION .....	250,366	250,366
PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER .....	72,302	72,302
PROC DOD HEALTHCARE MANAGEMENT SYSTEM MOD- ERNIZATION .....	435,414	435,414
<b>TOTAL DEFENSE HEALTH PROGRAM</b> .....	<b>35,592,407</b>	<b>35,647,907</b>
<b>TOTAL OTHER AUTHORIZATIONS</b> .....	<b>39,849,030</b>	<b>39,904,530</b>

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1 **TITLE XLVI—MILITARY**  
 2 **CONSTRUCTION**  
 3 **SEC. 4601. MILITARY CONSTRUCTION.**

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
	Alabama			
Army	Anniston Army Depot	Welding Facility .....	0	25,000
Army	Fort Rucker	AIT Barracks Complex .....	0	66,000
Army	Redstone Arsenal	Propulsion Systems Lab .....	55,000	55,000
	Belgium			
Army	Shape Headquarters	Command and Control Facility .....	16,000	16,000
	California			
Army	Fort Irwin	Simulations Center .....	52,000	52,000
	Georgia			
Army	Fort Gordon	Cyber Instructional Fac (Admin/Cmd), Inc. 2 .....	69,000	69,000
Army	Fort Stewart	Barracks .....	0	100,000
	Germany			
Army	East Camp Grafenwoehr	EDI: Barracks and Dining Facility .....	103,000	50,000
Army	Smith Barracks	Indoor Small Arms Range .....	17,500	17,500
Army	Smith Barracks	Live Fire Exercise Shootouse .....	16,000	16,000
	Hawaii			
Army	West Loch Nav Mag Annex	Ammunition Storage .....	51,000	51,000
	Kansas			
Army	Fort Leavenworth	Child Development Center .....	0	34,000
	Kentucky			
Army	Fort Knox	Child Development Center .....	0	27,000
	Louisiana			
Army	Fort Polk, Louisiana	Joint Operations Center .....	55,000	55,000
	Lousiana			
Army	Fort Polk	Barracks .....	0	56,000
	Maryland			
Army	Fort Detrick	Medical Waste Incinerator .....	0	23,981
Army	Fort Meade	Barracks .....	81,000	81,000
	New Jersey			
Army	Picatinny Arsenal	Igloo Storage, Installation .....	0	1,800
	New York			
Army	Fort Hamilton	Information Systems Facility .....	26,000	26,000
Army	Watervliet Arsenal	Access Control Point .....	20,000	20,000
	Pennsylvania			
Army	Letterkenny Army Depot	Fire Station .....	21,000	21,000
	South Carolina			
Army	Fort Jackson	Reception Barracks Complex, Ph2, Inc. 2 .....	34,000	34,000
Army	Fort Jackson	Reception Barracks, Ph1 .....	0	21,000
	Texas			
Army	Fort Hood	Barracks .....	0	61,000
Army	Fort Hood	Barracks .....	0	29,200
	Virginia			
Army	Joint Base Langley-Eustis	AIT Barracks Complex, Ph4 .....	0	16,000
	Worldwide Classified			
Army	Classified Location	Forward Operating Site .....	31,000	31,000
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	Host Nation Support .....	27,000	27,000
Army	Unspecified Worldwide Locations	Minor Construction .....	35,543	35,543
Army	Unspecified Worldwide Locations	Planning and Design .....	124,649	134,649
	<b>Military Construction, Army Total</b> .....		<b>834,692</b>	<b>1,252,673</b>
	Arizona			
Navy	Marine Corps Air Station Yuma	Bachelor Enlisted Quarters .....	0	99,600
	California			
Navy	Air Ground Combat Center Twentynine Palms	Wastewater Treatment Facility .....	0	45,000
Navy	Camp Pendleton	I MEF Consolidated Information Center Inc. ....	19,869	19,869
Navy	Naval Air Station Lemoore	F-35C Hangar 6 Phase 2 (Mod 3/4) Inc. ....	75,070	50,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
Navy	Naval Weapons Station Seal Beach	Missile Magazines Inc. ....	10,840	10,840
Navy	Naval Base San Diego	Pier 6 Replacement Inc. ....	50,000	50,000
Navy	San Nicholas Island	Directed Energy Weapons Test Facilities .....	19,907	19,907
	Florida			
Navy	Naval Air Station Jacksonville	Planning and Design for Lighterage and Small Craft. ....	0	7,000
	Greece			
Navy	Naval Support Activity Souda Bay	EDI: Joint Mobility Processing Center .....	41,650	0
	Guam			
Navy	Andersen Air Force Base	Aviation Admin Building .....	50,890	50,890
Navy	Joint Region Marianas	4th Marines Regiment Facilities .....	109,507	80,000
Navy	Joint Region Marianas	Bachelor Enlisted Quarters II Inc. ....	43,200	43,200
Navy	Joint Region Marianas	Combat Logistics Battalion-4 Facility .....	92,710	92,710
Navy	Joint Region Marianas	Consolidated Armory .....	43,470	43,470
Navy	Joint Region Marianas	Infantry Battalion Company HQ .....	44,100	44,100
Navy	Joint Region Marianas	Joint Communication Upgrade Inc. ....	84,000	84,000
Navy	Joint Region Marianas	Marine Expeditionary Brigade Enablers .....	66,830	66,830
Navy	Joint Region Marianas	Principal End Item (PEI) Warehouse .....	47,110	47,110
Navy	Joint Region Marianas	X-Ray Wharf Berth 2 .....	103,800	51,900
	Hawaii			
Navy	Marine Corps Base Kaneohe	Bachelor Enlisted Quarters, Ph 2 .....	0	101,200
	Japan			
Navy	Fleet Activities Yokosuka	Pier 5 (Berths 2 and 3) Inc. ....	15,292	15,292
Navy	Fleet Activities Yokosuka	Ship Handling & Combat Training Facilities .....	49,900	49,900
	Maine			
Navy	Portsmouth Naval Shipyard	Multi-Mission Drydock #1 Extension Inc. ....	250,000	250,000
	Maryland			
Navy	Naval Air Station Patuxent River	Planning and Design for Aircraft Prototyping Facility, Ph 3. ....	0	1,500
Navy	Naval Surface Warfare Center Indian Head	Planning and Design for Contained Burn Facility .....	0	1,500
	Nevada			
Navy	Naval Air Station Fallon	Training Range Land Acquisition—Ph 2 .....	48,250	48,250
	North Carolina			
Navy	Camp Lejeune, North Carolina	II MEF Operations Center Replacement Inc. ....	42,200	42,200
Navy	Cherry Point Marine Corps Air Station	Aircraft Maintenance Hangar .....	207,897	60,000
Navy	Cherry Point Marine Corps Air Station	F-35 Flightline Utilities Modernization Ph 2 .....	113,520	30,000
	Texas			
Navy	Naval Air Station Kingsville	Planning and Design for Fire Rescue Safety Center. ....	0	2,500
	Virginia			
Navy	Naval Station Norfolk	Submarine Pier 3 Inc. ....	88,923	88,923
Navy	Norfolk Naval Shipyard	Dry Dock Saltwater System for CVN-78 .....	156,380	30,000
Navy	Marine Corps Base Quantico	Vehicle Inspection and Visitor Control Center .....	42,850	42,850
Navy	Marine Corps Base Quantico	Wargaming Center Inc. ....	30,500	30,500
	Worldwide Unspecified			
Navy	Unspecified Worldwide Locations	Planning and Design .....	363,252	363,252
Navy	Unspecified Worldwide Locations	Shipyard Investment Optimization Program .....	0	225,000
Navy	Unspecified Worldwide Locations	Shipyard Investment Optimization Program—Planning and Design. ....	0	62,820
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction .....	56,435	56,435
	<b>Military Construction, Navy Total</b> .....		<b>2,368,352</b>	<b>2,408,548</b>
	Alaska			
AF	Joint Base Elmendorf-Richardson	Extend Runway 16/34, Inc. 1 .....	79,000	79,000
	Arizona			
AF	Davis-Monthan Air Force Base	South Wilmot Gate .....	13,400	13,400
AF	Luke Air Force Base	F-35A ADAL AMU Facility Squadron #6 .....	28,000	28,000
AF	Luke Air Force Base	F-35A Squadron Operations Facility #6 .....	21,000	21,000



SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
	Australia			
AF	Royal Australian Air Force Base Darwin	Squadron Operations Facility .....	7,400	7,400
AF	Royal Australian Air Force Base Tindal	Aircraft Maintenance Support Facility .....	6,200	6,200
AF	Royal Australian Air Force Base Tindal	Squadron Operations Facility .....	8,200	8,200
	California			
AF	Edwards Air Force Base	Flight Test Engineering Lab Complex .....	4,000	4,000
AF	Vandenberg Air Force Base	GBSD Re-Entry Vehicle Facility .....	48,000	48,000
AF	Vandenberg Air Force Base	GBSD Stage Processing Facility .....	19,000	19,000
	Colorado			
AF	Schriever Air Force Base	ADAL Fitness Center .....	0	30,000
AF	United States Air Force Academy	Add High Bay Vehicle Maintenance .....	0	4,360
	District of Columbia			
AF	Joint Base Anacostia Bolling	Joint Air Defense Operations Center Ph 2 .....	24,000	24,000
	Germany			
AF	Spangdahlem Air Base	F/A-22 LO/Composite Repair Facility .....	22,625	22,625
	Guam			
AF	Joint Region Marianas	Airfield Damage Repair Warehouse .....	30,000	30,000
AF	Joint Region Marianas	Hayman Munitions Storage Igloos, MSA2 .....	9,824	9,824
AF	Joint Region Marianas	Munitions Storage Igloos IV .....	55,000	55,000
	Hungary			
AF	Keeskemet Air Base	ERI: Construct Airfield Upgrades .....	20,564	20,564
AF	Keeskemet Air Base	ERI: Construct Parallel Taxiway .....	38,650	38,650
	Japan			
AF	Kadena Air Base	Airfield Damage Repair Storage Facility .....	38,000	38,000
AF	Kadena Air Base	Helicopter Rescue OPS Maintenance Hangar .....	168,000	83,800
AF	Kadena Air Base	Replace Munitions Structures .....	26,100	26,100
AF	Misawa Air Base	Airfield Damage Repair Facility .....	25,000	25,000
AF	Yokota Air Base	C-130J Corrosion Control Hangar .....	67,000	67,000
AF	Yokota Air Base	Construct CATM Facility .....	25,000	25,000
	Louisiana			
AF	Barksdale Air Force Base	Weapons Generation Facility, Inc. 1 .....	40,000	40,000
AF	Barksdale Air Force Base	New Entrance Road and Gate Complex .....	0	36,000
	Maryland			
AF	Joint Base Andrews	Fire Crash Rescue Station .....	26,000	26,000
AF	Joint Base Andrews	Military Working Dog Kennel .....	0	7,800
	Massachusetts			
AF	Hanscom Air Force Base	NC3 Acquisitions Management Facility .....	66,000	66,000
	Nebraska			
AF	Offutt Air Force Base	Replace Trestle F312 .....	0	5,000
	New Jersey			
AF	Joint Base McGuire-Dix-Lakehurst	SFS OPS Confinement Facility .....	0	4,500
	Ohio			
AF	Wright-Patterson Air Force Base	Child Development Center .....	0	24,000
	Oklahoma			
AF	Tinker Air Force Base	KC-46A 3-Bay Depot Maintenance Hangar .....	160,000	60,000
	South Carolina			
AF	Joint Base Charleston	Fire and Rescue Station .....	0	30,000
	South Dakota			
AF	Ellsworth Air Force Base	B-21 2-Bay LO Restoration Facility, Inc. 2 .....	91,000	50,000
AF	Ellsworth Air Force Base	B-21 ADAL Flight Simulator .....	24,000	24,000
AF	Ellsworth Air Force Base	B-21 Field Training Detachment Facility .....	47,000	47,000
AF	Ellsworth Air Force Base	B-21 Formal Training Unit/AMU .....	70,000	70,000
AF	Ellsworth Air Force Base	B-21 Mission Operations Planning Facility .....	36,000	36,000
AF	Ellsworth Air Force Base	B-21 Washrack & Maintenance Hangar .....	65,000	65,000
	Spain			
AF	Moron Air Base	EDI-Hot Cargo Pad .....	8,542	8,542
	Texas			
AF	Joint Base San Antonio	BMT Recruit Dormitory 7 .....	141,000	40,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
AF	Joint Base San Antonio	BMT Recruit Dormitory 8, Inc. 3 .....	31,000	31,000
AF	Joint Base San Antonio—Fort Sam Houston	Child Development Center .....	0	29,000
AF	Joint Base San Antonio—Lackland Air Force Base	Child Development Center .....	0	22,000
AF	Sheppard Air Force Base	Child Development Center .....	20,000	20,000
	United Kingdom			
AF	Royal Air Force Fairford	EDI: Construct DABS-FEV Storage .....	94,000	94,000
AF	Royal Air Force Lakenheath	F-35A Child Development Center .....	0	24,000
AF	Royal Air Force Lakenheath	F-35A Munition Inspection Facility .....	31,000	31,000
AF	Royal Air Force Lakenheath	F-35A Weapons Load Training Facility .....	49,000	49,000
	Utah			
AF	Hill Air Force Base	GBSD Organic Software Sustain Ctr, Inc. 2 .....	31,000	31,000
	Virginia			
AF	Joint Base Langley-Eustis	Fuel Systems Maintenance Dock .....	0	24,000
	Worldwide Unspecified			
AF	Various Worldwide Locations	EDI: Planning & Design .....	648	25,648
AF	Various Worldwide Locations	PDI: Planning & Design .....	27,200	52,200
AF	Various Worldwide Locations	Planning & Design .....	201,453	181,453
AF	Various Worldwide Locations	Intelligence, Surveillance, and Reconnaissance Infrastructure Planning and Design.	0	20,000
AF	Various Worldwide Locations	Unspecified Minor Military Construction .....	58,884	58,884
	<b>Military Construction, Air Force Total</b> .....		<b>2,102,690</b>	<b>2,067,150</b>
	Alabama			
Def-Wide	Fort Rucker	10 MW RICE Generator Plant and Microgrid Controls.	24,000	24,000
	Belgium			
Def-Wide	Chievres Air Force Base	Europe West District Superintendent's Office .....	15,000	15,000
	California			
Def-Wide	Camp Pendleton	Veterinary Treatment Facility Replacement .....	13,600	13,600
Def-Wide	Naval Amphibious Base Coronado	SOF ATC Operations Support Facility .....	21,700	21,700
Def-Wide	Naval Amphibious Base Coronado	SOF NSWG11 Operations Support Facility .....	12,000	12,000
Def-Wide	Marine Corps Air Station Miramar	Additional LFG Power Meter Station .....	4,054	4,054
Def-Wide	Naval Air Weapons Station China Lake	Solar Energy Storage System .....	9,120	9,120
Def-Wide	Naval Amphibious Base Coronado	SOF Training Command .....	0	20,500
	Colorado			
Def-Wide	Buckley Air Force Base	JCC Expansion .....	20,000	20,000
	District of Columbia			
Def-Wide	Joint Base Anacostia-Bolling	DIA HQ Cooling Towers and Cond Pumps .....	0	2,257
Def-Wide	Joint Base Anacostia-Bolling	PV Carports .....	0	29,004
	Florida			
Def-Wide	MacDill Air Force Base	Transmission and Switching Stations .....	22,000	22,000
	Georgia			
Def-Wide	Fort Benning	4.8 MW Generation and Microgrid .....	17,593	17,593
Def-Wide	Fort Benning	SOF Battalion Headquarters Facility .....	62,000	62,000
Def-Wide	Fort Stewart	10 MW Generation Plant, With Microgrid Controls	22,000	22,000
Def-Wide	Kings Bay Naval Submarine Base	Electrical Transmission and Distribution .....	19,314	19,314
	Germany			
Def-Wide	Ramstein Air Base	Ramstein Middle School .....	93,000	93,000
	Guam			
Def-Wide	Naval Base Guam	Inner Apra Harbor Resiliency Upgrades Ph1 .....	38,300	38,300
	Hawaii			

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
Def-Wide	Joint Base Pearl Harbor-Hickam	Veterinary Treatment Facility Replacement .....	29,800	29,800
Def-Wide	Idaho Mountain Home Air Force Base	Water Treatment Plant and Pump Station .....	33,800	33,800
Def-Wide	Japan Iwakuni	Fuel Pier .....	57,700	57,700
Def-Wide	Kadena Air Base	Operations Support Facility .....	24,000	24,000
Def-Wide	Kadena Air Base	Truck Unload Facilities .....	22,300	22,300
Def-Wide	Misawa Air Base	Additive Injection Pump and Storage Sys .....	6,000	6,000
Def-Wide	Naval Air Facility Atsugi	Smart Grid for Utility and Facility Controls .....	3,810	3,810
Def-Wide	Yokota Air Base	Hangar/AMU .....	108,253	53,000
Def-Wide	Kuwait Camp Arifjan	Microgrid Controller, 1.25 MW Solar PV, and 1.5 MWH Battery.	15,000	15,000
Def-Wide	Maryland Bethesda Naval Hospital	MEDCEN Addition / Alteration, Inc. 5 .....	153,233	153,233
Def-Wide	Fort Meade	NSAW Mission OPS and Records Center Inc. 1 ....	94,000	94,000
Def-Wide	Fort Meade	NSAW Recap Building 4, Inc. 1 .....	104,100	104,100
Def-Wide	Fort Meade	SOF Operations Facility .....	100,000	100,000
Def-Wide	Michigan Camp Grayling	650 KW Gas-Fired Micro-Turbine Generation System.	5,700	5,700
Def-Wide	Mississippi Camp Shelby	10 MW Generation Plant an Feeder Level Microgrid System.	0	34,500
Def-Wide	Camp Shelby	Electrical Distribution Infrastructure Undergrounding Hardening Project.	0	11,155
Def-Wide	Missouri Fort Leonard Wood	Hospital Replacement, Inc. 4 .....	160,000	160,000
Def-Wide	New Mexico Kirtland Air Force Base	Environmental Health Facility Replacement .....	8,600	8,600
Def-Wide	New York Fort Drum	Wellfield Expansion Resiliency Project .....	0	27,000
Def-Wide	North Carolina Fort Bragg	10 MW Microgrid Utilizing Existing and New Generators.	19,464	19,464
Def-Wide	Fort Bragg	Fort Bragg Emergency Water System .....	0	7,705
Def-Wide	North Dakota Cavalier Air Force Station	Pears Emergency Power Plant Fuel Storage .....	0	24,150
Def-Wide	Ohio Springfield-Beckley Municipal Airport	Base-Wide Microgrid With Natural Gas Generator, Photovoltaic, and Battery Storage.	4,700	4,700
Def-Wide	Puerto Rico Fort Allen	Microgrid Control System, 690 KW PV, 275 KW Gen, 570 Kwh Bess.	0	12,190
Def-Wide	Punta Borinquen	Ramey Unit School Replacement .....	84,000	84,000
Def-Wide	Ramey Unit School	Microgrid Control System, 460 KW PV, 275 KW Generator, 660 Kwh Bess.	0	10,120
Def-Wide	Tennessee Memphis International Airport	PV Arrays and Battery Storage .....	4,780	4,780
Def-Wide	Texas Joint Base San Antonio	Ambulatory Care Center Ph 4 .....	35,000	35,000
Def-Wide	United Kingdom Menwith Hill Station	Rafmh Main Gate Rehabilitation .....	20,000	20,000
Def-Wide	Royal Air Force Lakenheath	Hospital Replacement-Temporary Facilities .....	19,283	19,283
Def-Wide	Virginia Fort Belvoir	Veterinary Treatment Facility Replacement .....	29,800	29,800
Def-Wide	National Geospatial Intelligence Agency Springfield	North Campus East Electrical System Redundancy	0	5,299
Def-Wide	Pentagon	Consolidated Maintenance Complex (RRMC) .....	20,000	20,000
Def-Wide	Pentagon	Force Protection Perimeter Enhancements .....	8,608	8,608
Def-Wide	Pentagon	Public Works Support Facility .....	21,935	21,935
Def-Wide	Various Locations	Led Upgrade Package .....	365	365
Def-Wide	Various Locations	Recommissioning of Hvac Systems, Part B .....	2,600	2,600
Def-Wide	Washington Oak Harbor	ACC / Dental Clinic (Oak Harbor) .....	59,000	59,000
Def-Wide	Worldwide Unspecified Unspecified Worldwide Locations	DIA Planning and Design .....	11,000	11,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
Def-Wide	Unspecified Worldwide Locations	DODEA Planning and Design .....	13,317	13,317
Def-Wide	Unspecified Worldwide Locations	DODEA Unspecified Minor Construction .....	8,000	8,000
Def-Wide	Unspecified Worldwide Locations	ERCIP Design .....	40,150	40,150
Def-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction .....	5,615	5,615
Def-Wide	Unspecified Worldwide Locations	INDOPACOM—Planning and Design .....	0	68,200
Def-Wide	Unspecified Worldwide Locations	MDA Unspecified Minor Construction .....	4,435	4,435
Def-Wide	Unspecified Worldwide Locations	NSA Planning and Design .....	83,840	83,840
Def-Wide	Unspecified Worldwide Locations	NSA Unspecified Minor Construction .....	12,000	12,000
Def-Wide	Unspecified Worldwide Locations	Planning and Design .....	14,194	14,194
Def-Wide	Unspecified Worldwide Locations	SOCOM Unspecified Minor Construction .....	21,746	21,746
Def-Wide	Unspecified Worldwide Locations	TJS Planning and Design .....	2,000	2,000
Def-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,000	3,000
Def-Wide	Unspecified Worldwide Locations	WHS Planning and Design .....	5,275	5,275
Def-Wide	Various Worldwide Locations	DHA Planning and Design .....	35,099	35,099
Def-Wide	Various Worldwide Locations	DLA Planning and Design .....	20,862	20,862
Def-Wide	Various Worldwide Locations	DLA Unspecified Minor Construction .....	6,668	6,668
Def-Wide	Various Worldwide Locations	SOCOM Planning and Design .....	20,576	20,576
<b>Military Construction, Defense-Wide Total .....</b>			<b>1,957,289</b>	<b>2,154,116</b>
NATO	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program .....	205,853	205,853
<b>NATO Security Investment Program Total .....</b>			<b>205,853</b>	<b>205,853</b>
Army NG	Alaska Joint Base Elmendorf-Richardson	Planning and Design for National Guard Readiness Center.	0	5,000
Army NG	California Beale Air Force Base	940 ARW SQ OPS & AMU Complex .....	0	33,000
Army NG	Connecticut Putnam	National Guard Readiness Center .....	17,500	17,500
Army NG	Georgia Fort Benning	Post-Initial Mil. Training Unaccomp. Housing .....	13,200	13,200
Army NG	Guam Barrigada	National Guard Readiness Center Addition .....	34,000	34,000
Army NG	Idaho Jerome	National Guard Readiness Center .....	15,000	15,000
Army NG	Illinois Bloomington	National Guard Vehicle Maintenance Shop .....	15,000	15,000
Army NG	Kansas Topeka	National Guard/Reserve Center Building .....	16,732	16,732
Army NG	Louisiana Camp Minden	Collective Training Unaccompanied Housing .....	0	13,800
Army NG	Lake Charles	National Guard Readiness Center .....	18,500	18,500
Army NG	Maine Saco	National Guard Vehicle Maintenance Shop .....	21,200	21,200
Army NG	Michigan Camp Grayling	National Guard Readiness Center .....	0	16,000
Army NG	Mississippi Camp Shelby	Maneuver Area Training Equipment Site .....	0	15,500
Army NG	Montana Butte	National Guard Readiness Center .....	16,000	16,000
Army NG	Nebraska Camp Ashland	Collective Training Unaccompanied Housing .....	0	11,000
Army NG	North Dakota Dickinson	National Guard Readiness Center .....	15,500	15,500
Army NG	South Carolina McEntire Joint National Guard Base	Hazardous Cargo Pad .....	0	9,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
	Virginia			
Army NG	Troutville	Combined Support Maintenance Shop Addition .....	6,900	6,900
Army NG	Troutville	National Guard Readiness Center Addition .....	6,100	6,100
Army NG	Virginia Army National Guard Sandston	Aircraft Maintenance Hangar .....	0	5,805
	Worldwide Unspecified			
Army NG	Unspecified Worldwide Locations	Planning and Design .....	22,000	28,000
Army NG	Unspecified Worldwide Locations	Unspecified Minor Construction .....	39,471	39,471
<b>Military Construction, Army National Guard Total .....</b>			<b>257,103</b>	<b>372,208</b>
	Michigan			
Army Res	Southfield	Area Maintenance Support Activity .....	12,000	12,000
	Ohio			
Army Res	Wright-Patterson Air Force Base	AR Center Training Building/ UHS .....	19,000	19,000
	Wisconsin			
Army Res	Fort McCoy	Transient Training BN HQ .....	12,200	12,200
Army Res	Fort McCoy	Transient Training Enlisted Barracks .....	0	29,200
Army Res	Fort McCoy	Transient Training Enlisted Barracks .....	0	29,200
Army Res	Fort McCoy	Transient Training Enlisted Barracks .....	0	24,000
	Worldwide Unspecified			
Army Res	Unspecified Worldwide Locations	Planning and Design .....	7,167	7,167
Army Res	Unspecified Worldwide Locations	Unspecified Minor Construction .....	14,544	14,544
<b>Military Construction, Army Reserve Total .....</b>			<b>64,911</b>	<b>147,311</b>
	Michigan			
N/MC Res	Battle Creek	Reserve Center & Vehicle Maintenance Facility .....	49,090	49,090
	Minnesota			
N/MC Res	Minneapolis	Joint Reserve Intelligence Center .....	14,350	14,350
	Worldwide Unspecified			
N/MC Res	Unspecified Worldwide Locations	MCNR Planning & Design .....	1,257	1,257
N/MC Res	Unspecified Worldwide Locations	MCNR Unspecified Minor Construction .....	2,359	1,359
N/MC Res	Unspecified Worldwide Locations	USMCR Planning and Design .....	4,748	4,748
<b>Military Construction, Naval Reserve Total .....</b>			<b>71,804</b>	<b>70,804</b>
	Deleware			
Air NG	Newcastle Air National Guard Base	Replace Fuel Cell/Corrosion Control Hangar .....	0	17,500
	Idaho			
Air NG	Boise Air National Guard Base	Medical Training Facility .....	0	6,500
	Illinois			
Air NG	Abraham Capital Airport	Civil Engineering Facility .....	0	10,200
	Massachusetts			
Air NG	Barnes Air National Guard	Combined Engine/ASE/NDI Shop .....	12,200	12,200
	Michigan			
Air NG	Alpena County Regional Airport	Aircraft Maintenance Hangar/Shops .....	23,000	23,000
Air NG	W. K. Kellog Regional Airport	Construct Main Base Entrance .....	10,000	10,000
	Mississippi			
Air NG	Jackson International Airport	Fire Crash and Rescue Station .....	9,300	9,300
	New York			
Air NG	Schenectady Municipal Airport	C-130 Flight Simulator Facility .....	10,800	10,800
	Ohio			
Air NG	Camp Perry	Red Horse Logistics Complex .....	7,800	7,800
	South Carolina			
Air NG	McEntire Joint National Guard Base	F-16 Mission Training Center .....	9,800	9,800
	South Dakota			
Air NG	Joe Foss Field	F-16 Mission Training Center .....	9,800	9,800
	Wisconsin			
Air NG	Truax Field	F-35 3-Bay Specialized Hangar .....	31,000	31,000

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
Air NG	Truax Field	Medical Readiness Facility .....	13,200	13,200
Air NG	Worldwide Unspecified	Unspecified Minor Construction .....	29,068	29,068
Air NG	Various Worldwide Locations	Planning and Design .....	18,402	34,402
Air NG	Wyoming Cheyenne Municipal Airport	Combined Vehicle Maintenance & ASE Complex ....	13,400	13,400
<b>Military Construction, Air National Guard Total .....</b>			<b>197,770</b>	<b>247,970</b>
AF Res	Florida Homestead Air Force Reserve Base	Corrosion Control Facility .....	14,000	14,000
AF Res	Minnesota Patrick Air Force Base	Simulator C-130J .....	18,500	18,500
AF Res	New York Minneapolis-St Paul International Airport	Mission Support Group Facility .....	14,000	14,000
AF Res	Niagara Falls Air Reserve Station	Main Gate .....	10,600	10,600
AF Res	Ohio Youngstown Air Reserve Station	Assault Strip Widening .....	0	8,700
AF Res	Worldwide Unspecified	Planning & Design .....	5,830	5,830
AF Res	Unspecified Worldwide Locations	Unspecified Minor Military Construction .....	15,444	15,444
<b>Military Construction, Air Force Reserve Total .....</b>			<b>78,374</b>	<b>87,074</b>
FH Con Army	Italy Vicenza	Family Housing New Construction .....	92,304	92,304
FH Con Army	Kwajalein Atoll Kwajalein Atoll	Family Housing Replacement Construction .....	0	10,000
FH Con Army	Pennsylvania Tobyhanna Army Depot	Family Housing Replacement Construction .....	0	7,500
FH Con Army	Puerto Rico Fort Buchanan	Family Housing Replacement Construction .....	0	14,000
FH Con Army	Worldwide Unspecified	Family Housing P & D .....	7,545	22,545
<b>Family Housing Construction, Army Total .....</b>			<b>99,849</b>	<b>146,349</b>
FH Ops Army	Worldwide Unspecified	Furnishings .....	18,077	18,077
FH Ops Army	Unspecified Worldwide Locations	Housing Privatization Support .....	38,404	38,404
FH Ops Army	Unspecified Worldwide Locations	Leasing .....	128,110	128,110
FH Ops Army	Unspecified Worldwide Locations	Maintenance .....	111,181	111,181
FH Ops Army	Unspecified Worldwide Locations	Management .....	42,850	42,850
FH Ops Army	Unspecified Worldwide Locations	Miscellaneous .....	556	556
FH Ops Army	Unspecified Worldwide Locations	Services .....	8,277	8,277
FH Ops Army	Unspecified Worldwide Locations	Utilities .....	43,772	43,772
<b>Family Housing Operation And Maintenance, Army Total .....</b>			<b>391,227</b>	<b>391,227</b>
FH Con Navy	Worldwide Unspecified	Construction Improvements .....	71,884	71,884
FH Con Navy	Unspecified Worldwide Locations	Planning & Design .....	3,634	3,634
FH Con Navy	Unspecified Worldwide Locations	USMC DPRI/Guam Planning and Design .....	2,098	2,098
<b>Family Housing Construction, Navy And Marine Corps Total .....</b>			<b>77,616</b>	<b>77,616</b>

<b>SEC. 4601. MILITARY CONSTRUCTION</b> (In Thousands of Dollars)				
<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2022 Request</b>	<b>House Agreement</b>
	Worldwide Unspecified			
FH Ops Navy	Unspecified Worldwide Locations	Furnishings .....	16,537	16,537
FH Ops Navy	Unspecified Worldwide Locations	Housing Privatization Support .....	54,544	54,544
FH Ops Navy	Unspecified Worldwide Locations	Leasing .....	62,567	62,567
FH Ops Navy	Unspecified Worldwide Locations	Maintenance .....	95,417	95,417
FH Ops Navy	Unspecified Worldwide Locations	Management .....	54,083	54,083
FH Ops Navy	Unspecified Worldwide Locations	Miscellaneous .....	285	285
FH Ops Navy	Unspecified Worldwide Locations	Services .....	17,637	17,637
FH Ops Navy	Unspecified Worldwide Locations	Utilities .....	56,271	56,271
<b>Family Housing Operation And Maintenance, Navy And Marine Corps Total.</b>			<b>357,341</b>	<b>357,341</b>
	Georgia			
FH Con AF	Robins Air Force Base	Robins 2 MHPI Restructure .....	6,000	6,000
	Nebraska			
FH Con AF	Offutt Air Force Base	Offutt MHPI Restructure .....	50,000	50,000
	Worldwide Unspecified			
FH Con AF	Unspecified Worldwide Locations	Construction Improvements .....	49,258	49,258
FH Con AF	Unspecified Worldwide Locations	Planning & Design .....	10,458	10,458
<b>Family Housing Construction, Air Force Total</b> .....			<b>115,716</b>	<b>115,716</b>
	Worldwide Unspecified			
FH Ops AF	Unspecified Worldwide Locations	Furnishings .....	26,842	26,842
FH Ops AF	Unspecified Worldwide Locations	Housing Privatization .....	23,275	23,275
FH Ops AF	Unspecified Worldwide Locations	Leasing .....	9,520	9,520
FH Ops AF	Unspecified Worldwide Locations	Maintenance .....	141,754	141,754
FH Ops AF	Unspecified Worldwide Locations	Management .....	70,062	70,062
FH Ops AF	Unspecified Worldwide Locations	Miscellaneous .....	2,200	2,200
FH Ops AF	Unspecified Worldwide Locations	Services .....	8,124	8,124
FH Ops AF	Unspecified Worldwide Locations	Utilities .....	43,668	43,668
<b>Family Housing Operation And Maintenance, Air Force Total</b> .....			<b>325,445</b>	<b>325,445</b>
	Worldwide Unspecified			
FH Ops DW	Unspecified Worldwide Locations	DIA Furnishings .....	656	656
FH Ops DW	Unspecified Worldwide Locations	DIA Leasing .....	31,430	31,430
FH Ops DW	Unspecified Worldwide Locations	DIA Utilities .....	4,166	4,166
FH Ops DW	Unspecified Worldwide Locations	Maintenance .....	49	49
FH Ops DW	Unspecified Worldwide Locations	NSA Furnishings .....	83	83
FH Ops DW	Unspecified Worldwide Locations	NSA Leasing .....	13,387	13,387
FH Ops DW	Unspecified Worldwide Locations	NSA Utilities .....	14	14
<b>Family Housing Operation And Maintenance, Defense-Wide Total</b> .....			<b>49,785</b>	<b>49,785</b>
	Worldwide Unspecified			
FHIF	Unspecified Worldwide Locations	Administrative Expenses—FHIF .....	6,081	6,081
<b>DOD Family Housing Improvement Fund Total</b> .....			<b>6,081</b>	<b>6,081</b>
	Worldwide Unspecified			

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
UHIF	Unspecified Worldwide Locations	Administrative Expenses—UHIF .....	494	494
<b>Unaccompanied Housing Improvement Fund Total .....</b>			<b>494</b>	<b>494</b>
BRAC	Worldwide Unspecified Base Realignment & Closure, Army	Base Realignment and Closure .....	65,301	115,301
<b>Base Realignment and Closure—Army Total .....</b>			<b>65,301</b>	<b>115,301</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure .....	111,155	161,155
<b>Base Realignment and Closure—Navy Total .....</b>			<b>111,155</b>	<b>161,155</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	DOD BRAC Activities—Air Force .....	104,216	154,216
<b>Base Realignment and Closure—Air Force Total .....</b>			<b>104,216</b>	<b>154,216</b>
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Int-4: DLA Activities .....	3,967	3,967
<b>Base Realignment and Closure—Defense-wide Total .....</b>			<b>3,967</b>	<b>3,967</b>
<b>Total, Military Construction .....</b>			<b>9,847,031</b>	<b>10,918,400</b>





1 **TITLE XLVII—DEPARTMENT OF**  
 2 **ENERGY NATIONAL SECURITY**  
 3 **PROGRAMS**

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
 5 **PROGRAMS.**

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
<b>Discretionary Summary By Appropriation</b>		
<b>Energy And Water Development, And Related Agencies</b>		
<b>Appropriation Summary:</b>		
<b>Energy Programs</b>		
Nuclear Energy .....	149,800	149,800
<b>Atomic Energy Defense Activities</b>		
<b>National nuclear security administration:</b>		
Weapons activities .....	15,484,295	15,518,295
Defense nuclear nonproliferation .....	1,934,000	2,001,000
Naval reactors .....	1,860,705	1,860,705
Federal salaries and expenses .....	464,000	464,000
<b>Total, National Nuclear Security Administration .....</b>	<b>19,743,000</b>	<b>19,844,000</b>
<b>Environmental and other defense activities:</b>		
Defense environmental cleanup .....	6,841,670	6,841,670
Other defense activities .....	1,170,000	920,000
<b>Total, Environmental &amp; other defense activities .....</b>	<b>8,011,670</b>	<b>7,761,670</b>
<b>Total, Atomic Energy Defense Activities .....</b>	<b>27,754,670</b>	<b>27,605,670</b>
<b>Total, Discretionary Funding .....</b>	<b>27,904,470</b>	<b>27,755,470</b>
<b>Nuclear Energy</b>		
Idaho site-wide safeguards and security .....	149,800	149,800
<b>Total, Nuclear Energy .....</b>	<b>149,800</b>	<b>149,800</b>
<b>Stockpile Management</b>		
<b>Stockpile Major Modernization</b>		
B61-12 Life extension program .....	771,664	771,664
W88 Alteration Program .....	207,157	207,157
W80-4 Life extension program .....	1,080,400	1,080,400
W80-4 ALT SLCM .....	10,000	10,000
W87-1 Modification Program .....	691,031	691,031
W93 Program .....	72,000	72,000
<b>Total, Stockpile Major Modernization .....</b>	<b>2,832,252</b>	<b>2,832,252</b>
<b>Stockpile services</b>		
Production Operations .....	568,941	568,941
Stockpile Sustainment .....	1,180,483	1,128,483
No funds for B83 service life extension .....		[-52,000]
Weapons Dismantlement and Disposition .....	51,000	51,000
<b>Subtotal, Stockpile Services .....</b>	<b>1,800,424</b>	<b>1,748,424</b>
<b>Total, Stockpile Management .....</b>	<b>4,632,676</b>	<b>4,580,676</b>
<b>Weapons Activities</b>		
<b>Production Modernization</b>		
<b>Primary Capability Modernization</b>		
<b>Plutonium Modernization</b>		
<b>Los Alamos Plutonium Modernization</b>		
Los Alamos Plutonium Operations .....	660,419	660,419
21-D-512 Plutonium Pit Production Project, LANL .....	350,000	350,000
<b>Subtotal, Los Alamos Plutonium Modernization .....</b>	<b>1,010,419</b>	<b>1,010,419</b>
<b>Savannah River Plutonium Modernization</b>		
Savannah River Plutonium Operations .....	128,000	128,000
21-D-511 Savannah River Plutonium Processing Facility, SRS .....	475,000	475,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
<b>Subtotal, Savannah River Plutonium Modernization</b> .....	<b>603,000</b>	<b>603,000</b>
Enterprise Plutonium Support .....	107,098	107,098
<b>Total, Plutonium Modernization</b> .....	<b>1,720,517</b>	<b>1,720,517</b>
High Explosives and Energetics .....	68,785	68,785
<b>Total, Primary Capability Modernization</b> .....	<b>1,789,302</b>	<b>1,789,302</b>
Secondary Capability Modernization .....	488,097	488,097
Tritium and Domestic Uranium Enrichment .....	489,017	489,017
Non-Nuclear Capability Modernization .....	144,563	144,563
<b>Total, Production Modernization</b> .....	<b>2,910,979</b>	<b>2,910,979</b>
 <b>Stockpile Research, Technology, and Engineering</b>		
Assessment Science .....	689,578	689,578
Engineering and Integrated Assessments .....	336,766	351,766
Program increase for plutonium aging assessments .....		[15,000]
Inertial Confinement Fusion .....	529,000	600,000
Program Increase .....		[71,000]
Advanced Simulation and Computing .....	747,012	747,012
Weapon Technology and Manufacturing Maturation .....	292,630	292,630
Academic Programs .....	85,645	85,645
<b>Total, Stockpile Research, Technology, and Engineering</b> .....	<b>2,680,631</b>	<b>2,766,631</b>
 <b>Infrastructure and Operations</b>		
Operations of facilities .....	1,014,000	1,014,000
Safety and environmental operations .....	165,354	165,354
Maintenance and repair of facilities .....	670,000	670,000
<b>Recapitalization:</b>		
Infrastructure and safety .....	508,664	508,664
Capability based investments .....	143,066	143,066
<b>Total, Recapitalization</b> .....	<b>651,730</b>	<b>651,730</b>
 <b>Construction:</b>		
22-D-513 Power Sources Capability, SNL .....	13,827	13,827
21-D-510, HE Synthesis, Formulation, and Production Facility, PX .....	44,500	44,500
18-D-690, Lithium Processing Facility, Y-12 .....	171,902	171,902
18-D-650, Tritium Finishing Facility, SRS .....	27,000	27,000
17-D-640, U1a Complex Enhancements Project, NNSS .....	135,000	135,000
15-D-302, TA-55 Reinvestment Project—Phase 3, LANL .....	27,000	27,000
06-D-141, Uranium Processing Facility, Y-12 .....	524,000	524,000
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL .....	138,123	138,123
22-D-514 Digital Infrastructure Capability Expansion .....	8,000	8,000
<b>Total, Construction</b> .....	<b>1,089,352</b>	<b>1,089,352</b>
<b>Total, Infrastructure and operations</b> .....	<b>3,590,436</b>	<b>3,590,436</b>
 <b>Secure transportation asset</b>		
Operations and equipment .....	213,704	213,704
Program direction .....	123,060	123,060
<b>Total, Secure transportation asset</b> .....	<b>336,764</b>	<b>336,764</b>
 <b>Defense Nuclear Security</b>		
Construction: .....	824,623	824,623
17-D-710 West end protected area reduction project, Y-12 .....	23,000	23,000
<b>Total, Defense nuclear security</b> .....	<b>847,623</b>	<b>847,623</b>
Information technology and cybersecurity .....	406,530	406,530
Legacy contractor pensions .....	78,656	78,656
<b>Total, Weapons Activities</b> .....	<b>15,484,295</b>	<b>15,518,295</b>
 <b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Global material security</b>		
International nuclear security .....	79,939	79,939
Domestic radiological security .....	158,002	158,002
International radiological security .....	85,000	85,000
Nuclear smuggling detection and deterrence .....	175,000	175,000
<b>Total, Global material security</b> .....	<b>497,941</b>	<b>497,941</b>

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
<b>Material management and minimization</b>		
Conversion .....	100,660	100,660
Nuclear material removal .....	42,100	42,100
Material disposition .....	200,186	200,186
<b>Total, Material management &amp; minimization .....</b>	<b>342,946</b>	<b>342,946</b>
Nonproliferation and arms control .....	184,795	184,795
National Technical Nuclear Forensics R&D .....	45,000	45,000
<b>Defense nuclear nonproliferation R&amp;D</b>		
Proliferation Detection .....	269,407	299,407
Nuclear verification and detection, next-gen technologies .....		[30,000]
Nuclear Detonation Detection .....	271,000	271,000
Nonproliferation Stewardship Program .....	87,329	105,829
Program increase .....		[18,500]
<b>Total, Defense nuclear nonproliferation R&amp;D .....</b>	<b>627,736</b>	<b>676,236</b>
<b>Nonproliferation Construction:</b>		
18-D-150 Surplus Plutonium Disposition Project, SRS .....	156,000	156,000
<b>Total, Nonproliferation construction .....</b>	<b>156,000</b>	<b>156,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,854,418</b>	<b>1,902,918</b>
Legacy contractor pensions .....	38,800	38,800
Nuclear counterterrorism and incident response program .....	356,185	374,685
Program increase .....		[18,500]
Emergency Operations .....	14,597	14,597
Use of prior-year MOX balances .....	-330,000	-330,000
<b>Total, Defense Nuclear Nonproliferation .....</b>	<b>1,934,000</b>	<b>2,001,000</b>
<b>Naval Reactors</b>		
Naval reactors development .....	635,684	635,684
Columbia-Class reactor systems development .....	55,000	55,000
S8G Prototype refueling .....	126,000	126,000
Naval reactors operations and infrastructure .....	599,017	599,017
<b>Construction:</b>		
22-D-532 Security Upgrades KL .....	5,100	5,100
22-D-531 KL Chemistry & Radiological Health Building .....	41,620	41,620
14-D-901 Spent Fuel Handling Recapitalization Project, NRF .....	348,705	348,705
Use of prior year balances .....	-6,000	-6,000
<b>Total, Construction .....</b>	<b>389,425</b>	<b>389,425</b>
Program direction .....	55,579	55,579
<b>Total, Naval Reactors .....</b>	<b>1,860,705</b>	<b>1,860,705</b>
<b>Federal Salaries And Expenses</b>		
Program direction .....	464,000	464,000
<b>Total, Office Of The Administrator .....</b>	<b>464,000</b>	<b>464,000</b>
<b>Defense Environmental Cleanup</b>		
<b>Closure sites:</b>		
Closure sites administration .....	3,987	3,987
<b>Richland:</b>		
River corridor and other cleanup operations .....	196,000	196,000
Central plateau remediation .....	689,776	689,776
Richland community and regulatory support .....	5,121	5,121
<b>Construction:</b>		
18-D-404 Modification of Waste Encapsulation and Storage Facility .....	8,000	8,000
22-D-401 L-888, 400 Area Fire Station .....	15,200	15,200
22-D-402 L-897, 200 Area Water Treatment Facility .....	12,800	12,800
<b>Total, Construction .....</b>	<b>36,000</b>	<b>36,000</b>
<b>Total, Hanford site .....</b>	<b>926,897</b>	<b>926,897</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	50,000	50,000

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
Rad liquid tank waste stabilization and disposition .....	817,642	817,642
Tank farm activities .....		0
<b>Construction:</b>		
18-D-16 Waste treatment and immobilization plant—LBL/Direct feed LAW .....	586,000	586,000
01-D-16D High-Level Waste Facility .....	60,000	60,000
01-D-16E Pretreatment Facility .....	20,000	20,000
<b>Total, Construction .....</b>	<b>666,000</b>	<b>666,000</b>
ORP Low-level waste offsite disposal .....	7,000	7,000
<b>Total, Office of River Protection .....</b>	<b>1,540,642</b>	<b>1,540,642</b>
<b>Idaho National Laboratory:</b>		
Idaho cleanup and waste disposition .....	358,925	358,925
<b>Idaho excess facilities R&amp;D</b>		
Idaho community and regulatory support .....	2,658	2,658
<b>Construction:</b>		
22-D-403 Idaho Spent Nuclear Fuel Staging Facility .....	3,000	3,000
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project .....	5,000	5,000
<b>Total, Construction .....</b>	<b>8,000</b>	<b>8,000</b>
<b>Total, Idaho National Laboratory .....</b>	<b>369,583</b>	<b>369,583</b>
<b>NNSA sites and Nevada off-sites</b>		
Lawrence Livermore National Laboratory .....	1,806	1,806
LLNL Excess Facilities D&D .....	35,000	35,000
<b>Nuclear facility D &amp; D</b>		
Separations Process Research Unit .....	15,000	15,000
Nevada .....	60,737	60,737
Sandia National Laboratories .....	4,576	4,576
Los Alamos National Laboratory .....	275,119	275,119
Los Alamos Excess Facilities D&D .....	58,381	58,381
<b>Total, NNSA sites and Nevada off-sites .....</b>	<b>450,619</b>	<b>450,619</b>
<b>Oak Ridge Reservation:</b>		
OR Nuclear facility D & D .....	274,923	274,923
<b>Total, OR Nuclear facility D &amp; D .....</b>	<b>274,923</b>	<b>274,923</b>
U233 Disposition Program .....	55,000	55,000
OR cleanup and disposition .....	73,725	73,725
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	12,500	12,500
<b>Total, Construction .....</b>	<b>12,500</b>	<b>12,500</b>
<b>Total, OR cleanup and waste disposition .....</b>	<b>141,225</b>	<b>141,225</b>
OR community & regulatory support .....	5,096	5,096
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation .....</b>	<b>424,244</b>	<b>424,244</b>
<b>Savannah River Sites:</b>		
<b>Savannah River risk management operations</b>		
Nuclear Material .....	312,760	312,760
Solid Waste Stabilization and Disposition .....	45,968	45,968
Soil and Water Remediation .....	55,439	55,439
Risk Reduction Deactivation and Surveillance .....	21,000	21,000
Infrastructure and Land Management .....	17,557	17,557
<b>Construction:</b>		
18-D-402 Emergency Operations Center Replacement, SR .....	8,999	8,999
<b>Total, risk management operations .....</b>	<b>461,723</b>	<b>461,723</b>
Savannah River Legacy Pensions .....	130,882	130,882
SR community and regulatory support .....	5,805	5,805
Radioactive liquid tank waste stabilization and disposition .....	890,865	890,865
<b>Construction:</b>		
20-D-401 Saltstone Disposal Unit #10, 11, 12 .....	19,500	19,500
19-D-701 SR Security sytem replacement .....	5,000	5,000
18-D-402 Saltstone Disposal Unit #8/9 .....	68,000	68,000
<b>Total, Construction .....</b>	<b>92,500</b>	<b>92,500</b>
<b>Total, Savannah River site .....</b>	<b>1,581,775</b>	<b>1,581,775</b>

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
<b>Waste Isolation Pilot Plant</b>		
Waste Isolation Pilot Plant .....	350,424	350,424
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP .....	55,000	55,000
15-D-412 Exhaust Shaft, WIPP .....	25,000	25,000
<b>Total, Construction</b> .....	<b>80,000</b>	<b>80,000</b>
<b>Total, Waste Isolation Pilot Plant</b> .....	<b>430,424</b>	<b>430,424</b>
Program direction .....	293,106	293,106
Program support .....	62,979	62,979
Technology development .....	25,000	25,000
Safeguards and Security .....	316,744	316,744
Federal Contribution to the Uranium Enrichment D&D Fund .....	415,670	415,670
<b>Total, Defense Environmental Cleanup</b> .....	<b>6,841,670</b>	<b>6,841,670</b>
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security .....	130,809	130,809
Program direction .....	75,511	75,511
<b>Total, Environment, Health, safety and security</b> .....	<b>206,320</b>	<b>206,320</b>
<b>Independent enterprise assessments</b>		
Independent enterprise assessments .....	27,335	27,335
Program direction .....	56,049	56,049
<b>Total, Independent enterprise assessments</b> .....	<b>83,384</b>	<b>83,384</b>
Specialized security activities .....	283,500	283,500
<b>Office of Legacy Management</b>		
Legacy management .....	408,797	158,797
Rejection of proposed transfer of FUSRAP .....		[-250,000]
Program direction .....	19,933	19,933
<b>Total, Office of Legacy Management</b> .....	<b>428,730</b>	<b>178,730</b>
Defense related administrative support .....	163,710	163,710
Office of hearings and appeals .....	4,356	4,356
<b>Subtotal, Other defense activities</b> .....	<b>1,170,000</b>	<b>920,000</b>
<b>Total, Other Defense Activities</b> .....	<b>1,170,000</b>	<b>920,000</b>

○

1 **SEC. 5101 [Log 73587]. ENHANCED PROTECTION AGAINST**  
2 **DEBT COLLECTOR HARASSMENT OF**  
3 **SERVICEMEMBERS.**

4 (a) COMMUNICATION IN CONNECTION WITH DEBT  
5 COLLECTION.—Section 805 of the Fair Debt Collection  
6 Practices Act (15 U.S.C. 1692c) is amended by adding  
7 at the end the following:

8 “(e) COMMUNICATIONS CONCERNING SERVICEMEM-  
9 BER DEBTS.—

10 “(1) DEFINITION.—In this subsection, the term  
11 ‘covered member’ means—

12 “(A) a covered member or a dependent as  
13 defined in section 987(i) of title 10, United  
14 States Code; and

15 “(B)(i) an individual who was separated,  
16 discharged, or released from duty described in  
17 such section 987(i)(1), but only during the 365-  
18 day period beginning on the date of separation,  
19 discharge, or release; or

20 “(ii) a person, with respect to an individual  
21 described in clause (i), described in subpara-  
22 graph (A), (D), (E), or (I) of section 1072(2)  
23 of title 10, United States Code.

24 “(2) PROHIBITIONS.—A debt collector may not,  
25 in connection with the collection of any debt of a  
26 covered member—

1           “(A) threaten to have the covered member  
2 reduced in rank;

3           “(B) threaten to have the covered mem-  
4 ber’s security clearance revoked; or

5           “(C) threaten to have the covered member  
6 prosecuted under chapter 47 of title 10, United  
7 States Code (the Uniform Code of Military Jus-  
8 tice).”.

9           (b) UNFAIR PRACTICES.—Section 808 of the Fair  
10 Debt Collection Practices Act (15 U.S.C. 1692f) is amend-  
11 ed by adding at the end the following:

12           “(9) The representation to any covered member  
13 (as defined under section 805(e)(1)) that failure to  
14 cooperate with a debt collector will result in—

15           “(A) a reduction in rank of the covered  
16 member;

17           “(B) a revocation of the covered member’s  
18 security clearance; or

19           “(C) prosecution under chapter 47 of title  
20 10, United States Code (the Uniform Code of  
21 Military Justice).”.

1 **SEC. 5102 [Log 73588]. COMPTROLLER GENERAL STUDY ON**  
2 **ENHANCED PROTECTION AGAINST DEBT**  
3 **COLLECTOR HARASSMENT OF**  
4 **SERVICEMEMBERS.**

5 (a) STUDY.—The Comptroller General of the United  
6 States shall conduct a study of the effects of the amend-  
7 ments made by section 5101 on—

8 (1) the timely delivery of information to a cov-  
9 ered member (as defined in section 805(e) of the  
10 Fair Debt Collection Practices Act, as added by such  
11 section);

12 (2) military readiness; and

13 (3) national security, including the extent to  
14 which covered members with security clearances  
15 would be affected by uncollected debt.

16 (b) REPORT.—Not later than one year after the date  
17 of the enactment of this Act, the Comptroller General shall  
18 submit to the Committee on Financial Services, the Com-  
19 mittee on Armed Services, and Committee on Transpor-  
20 tation and Infrastructure of the House of Representatives  
21 a report on the study required under subsection (a).



1 **SEC. 5103 [Log 73591]. SUPPORT TO ENHANCE THE CAPAC-**  
2 **ITY OF INTERNATIONAL MONETARY FUND**  
3 **MEMBERS TO EVALUATE THE LEGAL AND FI-**  
4 **NANCIAL TERMS OF SOVEREIGN DEBT CON-**  
5 **TRACTS.**

6 (a) IN GENERAL.—Title XVI of the International Fi-  
7 nancial Institutions Act (22 U.S.C. 262p–262p–13) is  
8 amended by adding at the end the following:

9 **“SEC. 1630. SUPPORT TO ENHANCE THE CAPACITY OF FUND**  
10 **MEMBERS TO EVALUATE THE LEGAL AND FI-**  
11 **NANCIAL TERMS OF SOVEREIGN DEBT CON-**  
12 **TRACTS.**

13 “The Secretary of the Treasury shall instruct the  
14 United States Executive Director at the International  
15 Monetary Fund to use the voice and vote of the United  
16 States to advocate that the Fund promote international  
17 standards and best practices with respect to sovereign  
18 debt contracts and provide technical assistance to Fund  
19 members, and in particular to lower middle-income coun-  
20 tries and countries eligible to receive assistance from the  
21 International Development Association, seeking to en-  
22 hance their capacity to evaluate the legal and financial  
23 terms of sovereign debt contracts with multilateral, bilat-  
24 eral, and private sector creditors.”.

25 (b) REPORT TO THE CONGRESS.—Within 1 year after  
26 the date of the enactment of this Act, and annually there-

1 after for the next 4 years, the Secretary of the Treasury  
2 shall report to the Committee on Financial Services of the  
3 House of Representatives and the Committee on Foreign  
4 Relations of the Senate on—

5           (1) the activities of the International Monetary  
6           Fund in the then most recently completed fiscal year  
7           to provide technical assistance described in section  
8           1630 of the International Financial Institutions Act,  
9           including the ability of the Fund to meet the de-  
10          mand for the assistance; and

11          (2) the efficacy of efforts by the United States  
12          to achieve the policy goal described in such section  
13          and any further actions that should be taken, if nec-  
14          essary, to implement that goal.

15          (c) SUNSET.—The amendment made by subsection  
16 (a) shall have no force or effect after the 5-year period  
17 that begins with the date of the enactment of this Act.

1 **SEC. 5104 [Log 73593]. ADVERSE INFORMATION IN CASES OF**  
2 **TRAFFICKING.**

3 (a) IN GENERAL.—The Fair Credit Reporting Act  
4 (15 U.S.C. 1681 et seq.) is amended by inserting after  
5 section 605B the following:

6 **“§ 605C. Adverse information in cases of trafficking**

7 “(a) IN GENERAL.—A consumer reporting agency  
8 may not furnish a consumer report containing any adverse  
9 item of information about a consumer that resulted from  
10 a severe form of trafficking in persons or sex trafficking  
11 if the consumer has provided trafficking documentation to  
12 the consumer reporting agency.

13 “(b) RULEMAKING.—

14 “(1) IN GENERAL.—The Director shall, not  
15 later than 180 days after the date of the enactment  
16 of this section, issue a rule to implement subsection  
17 (a).

18 “(2) CONTENTS.—The rule issued pursuant to  
19 paragraph (1) shall establish a method by which  
20 consumers shall submit trafficking documentation to  
21 consumer reporting agencies.

22 “(c) DEFINITIONS.—

23 “(1) TRAFFICKING DOCUMENTATION.—The  
24 term trafficking documentation means—

25 “(A) documentation of either—

1                   “(i) a determination by a Federal or  
2                   State government entity that a consumer is  
3                   a victim of trafficking; or

4                   “(ii) a determination by a court of  
5                   competent jurisdiction that a consumer is  
6                   a victim of trafficking; and

7                   “(B) documentation that identifies items  
8                   of adverse information that should not be fur-  
9                   nished by a consumer reporting agency because  
10                  the items resulted from the severe form of traf-  
11                  ficking in persons or sex trafficking of which  
12                  such consumer is a victim.

13                  “(2) VICTIM OF TRAFFICKING.—For the pur-  
14                  poses of this section, the term “victim of traf-  
15                  ficking” means a person who is a victim of a severe  
16                  form of trafficking in persons or sex trafficking, as  
17                  such terms are defined in section 103 of the Traf-  
18                  ficking Victims Protection Act of 2000.”.

19                  (b) TABLE OF CONTENTS AMENDMENT.—The table  
20                  of contents of the Fair Credit Reporting Act is amended  
21                  by inserting after the item relating to section 605B the  
22                  following new item:

                  “605C. Adverse information in cases of trafficking.”.

23                  (c) EFFECTIVE DATE.—The amendments made by  
24                  this section shall apply on the date that is 30 days after  
25                  the date on which the Director of the Bureau of Consumer

- 1 Financial Protection issues a rule pursuant to section
- 2 605C(b) of the Fair Credit Reporting Act.

1 **SEC. 5105 [Log 73595]. UNITED STATES POLICY REGARDING**  
2 **INTERNATIONAL FINANCIAL INSTITUTION**  
3 **ASSISTANCE WITH RESPECT TO ADVANCED**  
4 **WIRELESS TECHNOLOGIES.**

5 (a) IN GENERAL.—The Secretary of the Treasury (in  
6 this section referred to as the “Secretary”) shall instruct  
7 the United States Executive Director at each international  
8 financial institution (as defined in section 1701(c)(2) of  
9 the International Financial Institutions Act) that it is the  
10 policy of the United States to—

11 (1) support assistance by the institution with  
12 respect to advanced wireless technologies (such as  
13 5th generation wireless technology for digital cellular  
14 networks and related technologies) only if the tech-  
15 nologies provide appropriate security for users;

16 (2) proactively encourage assistance with re-  
17 spect to infrastructure or policy reforms that facili-  
18 tate the use of secure advanced wireless tech-  
19 nologies; and

20 (3) cooperate, to the maximum extent prac-  
21 ticable, with member states of the institution, par-  
22 ticularly with United States allies and partners, in  
23 order to strengthen international support for such  
24 technologies.

25 (b) WAIVER AUTHORITY.—The Secretary may waive  
26 subsection (a) on a case-by-case basis, on reporting to the

1 Committee on Financial Services of the House of Rep-  
2 resentatives and the Committee on Foreign Relations of  
3 the Senate that the waiver—

4 (1) will allow the United States to effectively  
5 promote the objectives of the policy described in sub-  
6 section (a); or

7 (2) is in the national interest of the United  
8 States, with an explanation of the reasons therefor.

9 (c) PROGRESS REPORT.—The Chairman of the Na-  
10 tional Advisory Council on International Monetary and Fi-  
11 nancial Policies shall include in the annual report required  
12 by section 1701 of the International Financial Institutions  
13 Act a description of progress made toward advancing the  
14 policy described in subsection (a) of this section.

15 (d) SUNSET.—The preceding provisions of this sec-  
16 tion shall have no force or effect after the earlier of—

17 (1) the date that is 7 years after the date of the  
18 enactment of this Act; or

19 (2) the date that the Secretary reports to the  
20 committees specified in subsection (b) that termi-  
21 nating the effectiveness of the provisions is impor-  
22 tant to the national interest of the United States,  
23 with a detailed explanation of the reasons therefor.

1 **SEC. 6002 [Log 73648]. PROPERTY DISPOSITION FOR AF-**  
2 **FORDABLE HOUSING.**

3 Section 5334(h)(1) of title 49, United States Code,  
4 is amended to read as follows:

5 “(1) IN GENERAL.—If a recipient of assistance  
6 under this chapter decides an asset acquired under  
7 this chapter at least in part with that assistance is  
8 no longer needed for the purpose for which such  
9 asset was acquired, the Secretary may authorize the  
10 recipient to transfer such asset to—

11 “(A) a local governmental authority to be  
12 used for a public purpose with no further obli-  
13 gation to the Government if the Secretary de-  
14 cides—

15 “(i) the asset will remain in public use  
16 for at least 5 years after the date the asset  
17 is transferred;

18 “(ii) there is no purpose eligible for  
19 assistance under this chapter for which the  
20 asset should be used;

21 “(iii) the overall benefit of allowing  
22 the transfer is greater than the interest of  
23 the Government in liquidation and return  
24 of the financial interest of the Government  
25 in the asset, after considering fair market  
26 value and other factors; and



1           “(iv) through an appropriate screen-  
2           ing or survey process, that there is no in-  
3           terest in acquiring the asset for Govern-  
4           ment use if the asset is a facility or land;  
5           or

6           “(B) a local governmental authority, non-  
7           profit organization, or other third party entity  
8           to be used for the purpose of transit-oriented  
9           development with no further obligation to the  
10          Government if the Secretary decides—

11           “(i) the asset is a necessary compo-  
12           nent of a proposed transit-oriented devel-  
13           opment project;

14           “(ii) the transit-oriented development  
15           project will increase transit ridership;

16           “(iii) at least 40 percent of the hous-  
17           ing units offered in the transit-oriented de-  
18           velopment, including housing units owned  
19           by nongovernmental entities, are legally  
20           binding affordability restricted to tenants  
21           with incomes at or below 60 percent of the  
22           area median income and owners with in-  
23           comes at or below 60 percent the area me-  
24           dian income, which shall include at least  
25           20 percent of such housing units offered

1 restricted to tenants with incomes at or  
2 below 30 percent of the area median in-  
3 come and owners with incomes at or below  
4 30 percent the area median income;

5 “(iv) the asset will remain in use as  
6 described in this section for at least 30  
7 years after the date the asset is trans-  
8 ferred; and

9 “(v) with respect to a transfer to a  
10 third party entity—

11 “(I) a local government authority  
12 or nonprofit organization is unable to  
13 receive the property;

14 “(II) the overall benefit of allow-  
15 ing the transfer is greater than the in-  
16 terest of the Government in liquida-  
17 tion and return of the financial inter-  
18 est of the Government in the asset,  
19 after considering fair market value  
20 and other factors; and

21 “(III) the third party has dem-  
22 onstrated a satisfactory history of  
23 construction or operating an afford-  
24 able housing development.”.

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#### RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE

##### Items of Special Interest

*Artificial intelligence for small unit maneuver*

*Solid rocket motors*

*Support for Department of Defense-wide SBIR and STTR Transition*

*Education Program*

### TITLE III—OPERATION AND MAINTENANCE

#### ITEMS OF SPECIAL INTEREST

##### BUDGET REQUEST ADJUSTMENTS

*Nucleated Foam Engine Wash*

##### LOGISTICS AND SUSTAINMENT ISSUES

*Sustainment Competition in the F-35 Program*

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

#### ITEMS OF SPECIAL INTEREST

*Evaluating Employee Ownership in Department of Defense Government Contractors*

Implementation of Enhanced Post-Award Debriefings  
Minority- and Veteran-Owned Defense Supplier Development in the Aerospace Supply Chain Network  
Modeling and Simulation  
Refining Capacity in the United States  
Sourcing in Major Defense Acquisition Programs  
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## **TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT**

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Report on the Office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict

## **TITLE XI—CIVILIAN PERSONNEL MATTERS**

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## **TITLE XII—MATTERS RELATING TO FOREIGN NATIONS**

### **ITEMS OF SPECIAL INTEREST**

Countering Hybrid Threats  
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Global Fragility Act Implementation  
Operational Concepts  
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## **TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS**

### **ITEMS OF SPECIAL INTEREST**

#### **SPACE ACTIVITIES**

Launch of Experimental Spaceflight Activities  
Space Warfare Analysis Center

#### **NUCLEAR FORCES**

Report on Nuclear Command, Control, and Communications Enterprise Modernization

# DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

## TITLE I—PROCUREMENT

### PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

#### Items of Special Interest

##### *Armored plate technical performance specifications*

The committee is aware that several Army armored vehicles currently in production specify the use of proprietary branded armor plate products and that sources for some of these products are uncertain or potentially unreliable. The committee is concerned that the practice of specifying proprietary or brand-name products, rather than a technical performance specification, may reduce the ability of domestic manufacturers of equivalent products to fairly compete for subcontracts and may pose unacceptable risk to the supply chain for such products. Therefore, the committee directs the Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than March 1, 2022, concerning the full extent to which proprietary branded armor plate products are used in armored vehicle production by the Army; the extent to which such products are supplied by foreign sources or foreign-owned entities; and the efforts the service is taking to establish military technical performance specifications for armor plate material for use in armored vehicles.

### OTHER PROCUREMENT, ARMY

#### Items of Special Interest

##### *Soldier Enhancement Program*

The budget request contained \$1.3 million for the Soldier Enhancement Program (SEP). The committee is concerned that the Army's budget request for fiscal year 2022 appears to inadequately fund the SEP. Since its creation by Congress in 1990, SEP has served a unique and critical function to accelerate the evaluation and procurement of off-the-shelf items with the potential to substantially improve weapons and support equipment in the areas of fires, mission command, movement and maneuver, sustainability, and protection. SEP is a low-risk, low-cost, high-payoff investment that has also demonstrated consistent success, in close collaboration with industry, in addressing mission-critical and training-critical soldier needs in a timely and highly cost-effective manner.

The committee notes that enduring operational and threat environments demonstrate the continued need for this successful and critical research, development, and acquisition activity. Therefore, the committee directs the

Secretary of the Army to provide a briefing to the House Committee on Armed Services not later than December 30, 2021, on its plans to fulfill the critical soldier equipment evaluation and acquisition role played by SEP, as well as the distribution of responsibility and authority for budgeting and the management of the execution of the program. Furthermore, the committee recommends \$6.3 million, an increase of \$5.0 million, for the SEP.

## AIRCRAFT PROCUREMENT, NAVY

### Items of Special Interest

#### *Naval adversary aircraft recapitalization*

The committee is aware of evolving requirements for the Navy to maintain near-peer simulated air-to-air combat training scenarios using organically provided aggressor aircraft that can emulate capabilities similar to those of advanced threat airborne adversaries. The committee supports continuing efforts to increase capabilities of aircraft assigned squadrons responsible for providing adversary aggressor training, but has concerns about Navy plans to use foreign F-5 and pre-block F-16 aircraft, which are older and less capable than the aircraft of advanced adversaries, to perform this mission long term. Due to the criticality of simulating relevant adversary air tactics and capabilities, the committee believes that the Navy should instead reprioritize planned funding to transition organic aggressor squadrons away from less capable aircraft to a more advanced and capable platform, such as the F/A-18E/F Super Hornet, that would more effectively support the adversary air training mission requirements. The committee is also discouraged by Navy plans to reduce tactical fighter aircraft capacity by designating certain adversary air aggressor squadrons as no longer deployable to meet warfighting contingency requirements in order to resolve the significant strike-fighter inventory shortfall that currently exists within the Navy.

Therefore, the committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than March 21, 2022, that provides an alternative plan to transition all Navy Reserve Component aggressor squadrons to a more capable and relevant aircraft within a 10-year timeframe. The report should include a holistic overview and description of the validated mission requirements of the Navy's current adversary aircraft aggressor enterprise and assess how less capable aircraft, such as F-5 and pre-block F-16 aircraft, will meet future training requirements and capabilities necessary to represent near-peer threat-based scenarios. Finally, the report should also identify the risk and fleet sustainment costs incurred by the continued employment of older, less capable aircraft attempting to provide realistic and relevant adversary air mission training for the Navy's operational fleet of aircraft and aircrews.

#### *Navy tactical fighter aircraft force structure*

The budget request contained \$87.8 million for F/A-18E/F aircraft production line activities but did not include any funding for the procurement of additional aircraft.

The committee recalls that the prior budget request for fiscal year 2020 programmed the purchase of 36 new F/A-18E/F aircraft over fiscal years 2022, 2023, and 2024, but the Navy revised that plan in the fiscal year 2021 budget request by eliminating the 36 new aircraft in those same fiscal years. Additionally the committee believes that the Navy's decision to eliminate the 36 new aircraft incurred greater risk for combatant commanders and increased the Navy's strike-fighter deficit in fiscal year 2021 from -49 to -58 aircraft, and forecasted the shortfall resolving to zero in fiscal year 2030. Further, the Navy still plans its strike-fighter inventory without including traditional margin for attrition reserve aircraft that would backfill forces in cases of training or contingency operational losses of aircraft. The Navy should plan for 54 aircraft per aircraft carrier air-wing (CVW), but instead only budgets for 44 aircraft per CVW. Consequently, the Navy had an actual deficit of -148 strike-fighter aircraft in fiscal year 2021 when including attrition reserve planning factors.

In fiscal year 2022 analysis the Navy claims that the strike-fighter shortfall is resolved to zero in 2025, 5 years earlier than planned, but the committee is highly circumspect of the Navy's new analysis. Since last year's budget, the Navy has delayed the fielding of its planned F/A-XX aircraft, removed 104 F/A-18E/F Block II aircraft from the planned Service-Life Modification (SLM) program, and F-35C procurement quantity has still not reached 24 aircraft per year. The committee believes that these significant factors actually exacerbate the shortfall and would not contribute to the expedited timing of resolving the shortfall prior to 2030 as stated last year.

Therefore, the committee recommends \$1.06 billion, an increase of \$970.0 million, for the procurement of 12 F/A-18E/F aircraft and production line activities to reduce operational and warfighting capacity risk. The committee also directs the Director, Cost Assessment and Program Evaluation, to submit a report to the House Committee on Armed Services not later than February 1, 2022, that compares and contrasts the ground rules, assumptions, and planning factors contained in the Navy's fiscal year 2021 strike-fighter analysis as compared to the fiscal year 2022 strike-fighter shortfall analysis.

## PROCUREMENT, DEFENSE-WIDE

### Items of Special Interest

#### *Radio Integration System program upgrade*

The budget request contained \$284.5 million for Warrior Systems. Of this amount, \$13.8 million was requested for the Radio Integration Systems (RIS) program. The committee recognizes the importance of ensuring timely procurement for the RIS and the need to fully integrate disparate communications across air,



ground, and maritime domains, providing full battlespace awareness and communication capabilities critical across the full spectrum of special operations forces missions.

Therefore, the committee recommends \$18.8 million, an increase of \$5.0 million, in Warrior Systems for the U.S. Special Operations Command Radio Integration System program to procure and test the Digital Aided Close Air Support Gateways components necessary to maintain programmatic schedule.

Further, the committee directs the Commander, U.S. Special Operations Command, to provide a briefing to the House Committee on Armed Services not later than January 28, 2022, on the Radio Integration System program, to include historical and current funding levels, an updated program schedule, and necessary milestones to achieve full operational capability, and any other information the Commander would like to provide.

## TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

### RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, NAVY

#### Items of Special Interest

##### *Next Generation Jammer high band*

The budget request included \$243.9 million in PE 0604274N for Next Generation Jammer Increment 1 and \$248.0 million in PE 0604282N for Next Generation Jammer Increment II, but no funding for a capability to counter the high band electronic warfare threat.

The committee supports the ongoing development of the Department of the Navy's Next Generation Jammer mid and low band capabilities but notes that the Navy has yet to begin to address the high band threat. The committee is aware that the Navy's airborne electronic attack community views a high band capability as a top modernization priority and that the existing tactical jammer on the EA-18 Growler is not equipped to meet evolving threats. The committee concurs with this assessment and recognizes the need for an upgraded high band jamming capability for the Navy's EA-18 Growler.

Therefore, the committee recommends \$245.4 million, an increase of \$1.5 million, in PE 0604274N, to include an increase of \$10.0 million to begin risk reduction on a high band electronic attack capability for EA-18G aircraft, and a reduction of \$8.5 million due to test and evaluation delays.

The committee further directs the Secretary of the Navy to submit a report to the congressional defense committees by February 1, 2022, on the technical requirements, estimated cost and schedule, and acquisition strategy for producing a high band capability for the EA-18 Growler. The report should also assess the practicality of leveraging the investments already made on Next Generation Jammer to develop and field a high band capability.

## RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE

### Items of Special Interest

#### *Advanced Battle Management System*

The committee supports the Air Force's November 2020 decision to restructure the Advanced Battle Management System (ABMS) development effort and direct the Air Force Rapid Capabilities Office (AFRCO) to assume responsibility for producing specific capabilities for fielding to the force. The committee agrees with the decision to prioritize tangible solutions but emphasizes that questions remain about the direction of ABMS. Though the Air Force reduced the amount requested under the ABMS budget line, the service also requested \$82.4 million in PE 0604006F, Department of the Air Force Technical Architecture Design, Integration, and Evaluation, a new program element to fund technical architecture activities. ABMS is now split between two lines of effort, architecture and interface development under the Chief Architect's purview, and product development managed by AFRCO.

The committee is concerned with ensuring that ABMS supports Air Force all-domain command and control and avoids wasting resources on duplicative or low priority solutions. While connecting "every sensor to every shooter" appears a worthy goal, the ABMS emphasis on architecture interface development may have the undesired effect of locking the Air Force into the current centralized command and control process to which the Joint Force has become reliant. Concepts, such as the Defense Advanced Research Projects Agency (DARPA)'s mosaic warfare whereby forces could be recombined to provide more options against an adversary, will require decision support tools to aid command and control rather than a narrower focus on a pre-defined communications architecture. The committee encourages the Air Force to concentrate on a command, control, and communications strategy that maximizes flexibility to avoid inadvertently constraining future commanders' options.

The Air Force should ensure the capabilities ABMS delivers support the overarching Joint All Domain Command and Control concept. Therefore, the committee directs the Comptroller General of the United States to conduct a review of ABMS and provide the congressional defense committees with a report by November 1, 2022. The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services by March 15, 2022, on the Comptroller General's preliminary findings. The required report shall include, but not be limited to, the following elements:

- (1) an evaluation of the Air Force's business case for ABMS, such as the acquisition strategy, technology readiness assessments, product roadmaps, and cost estimates;

- (2) an assessment of the Air Force's approach to prioritizing and developing capabilities to address Combined Joint All Domain Command and Control

requirements, including efforts focused on command and control, and those focused on communications;

(3) an assessment of how AFRCO is evaluating the value of its development efforts and obtaining feedback from warfighters using these capabilities; and

(4) an assessment of how AFRCO is ensuring its development efforts are not duplicative of the other ongoing programs in military departments.

Accordingly, the committee recommends \$178.8 million, a reduction of \$25.0 million, in PE 0604003F for the Advanced Battle Management System and \$48.4 million, a reduction of \$34.0 million, in PE 0604006F, Department of the Air Force Technical Architecture Design, Integration, and Evaluation.

### *T-7 review and program risk assessment*

The budget request contained \$188.9 million in PE 0605223F for the research and development efforts associated with the Air Force T-7 advanced pilot training aircraft that is scheduled to replace the T-38C aircraft at various Air Force pilot training basing locations in the continental United States beginning in the fiscal year 2023 timeframe.

The committee notes that the T-7 program commenced in September 2018 with expectations of low-risk and high-reward program execution due to the prime contractor for the program using leading-edge, digital engineering design and full-sized determinate manufacturing technologies to produce two prototype aircraft in near-record time. While the committee appreciates the advances in more rapid acquisition practices and aircraft manufacturing processes, the committee remains concerned regarding the flight science development and supply chain establishment for this program. The committee notes that the low-rate initial production milestone decision has been postponed at least 1 year from the originally planned date due to flight science software glitches and challenges associated with sourcing and establishing critical parts from the global supply chain. Acknowledging that the T-7 aircraft is not planned to integrate complex mission systems nor have the ability to employ weapons, the committee remains cautiously optimistic that the T-7 program will not experience the program issues, challenges, and cost overruns that the Air Force has seen with other programs.

Therefore, the committee recommends \$170.0 million, a decrease of \$18.9 million, in PE 0605223F for the research and development efforts associated with the Air Force T-7 advanced pilot training aircraft. The committee also directs the Comptroller General of the United States to provide a briefing to the House Committee on Armed Services not later than March 1, 2022, that provides an assessment of current estimates for cost, schedule, contractor performance, technology maturation, software development, systems integration, and program risks for the development and manufacturing of the T-7 aircraft.

## RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE

### Items of Special Interest

### *Artificial intelligence for small unit maneuver*

The budget request contained \$145.8 million in PE 1160408BB for Operational Enhancements.

The committee recognizes the need to increase investments in artificial intelligence/machine learning (AI/ML) enabled autonomous systems. The committee supports the shift from inadequate legacy platforms and weapons systems to increased investment in cutting-edge technologies and capabilities needed to support strategic competition with near-peer adversaries.

The committee supports the efforts of U.S. Special Operations Command (USSOCOM) to accelerate the development and employment of AI/ML applications and AISUM, which can augment the warfighter by enhancing operational maneuver and lethality.

Therefore, the committee recommends \$155.8 million, an increase of \$10.0 million, in PE 1160408BB for AISUM.

Further, the committee directs the Commander, USSOCOM to provide a briefing to the House Committee on Armed Services by December 31, 2021, on the planned resourcing, development, and transition roadmap for AISUM. The briefing shall include anticipated operational applications of enhanced development of AISUM technologies, and an assessment of these technologies and their application to support the Joint Force in near-peer competition, GPS-denied, and anti-access/area denial (A2/AD) environments.

### *Solid rocket motors*

The committee notes the diminishing domestic supplier base for solid rocket motors, and that the two existing U.S. providers both rely on manufacturing technology that was developed in the 1950s. Meanwhile, U.S. near-peer competitors are rapidly developing small, low-cost, mobile, highly responsive space launch systems that are based on storable, responsive solid rocket motors. In late 2019, one near-peer competitor conducted simultaneous launches of small satellites from two mobile, ground-based solid-rocket-motor-based launch systems within 6 hours of one another.

The committee is aware of advanced additive manufacturing technologies that could be applied to rapidly manufacture solid propellant-based rocket motors addressing a critical need for the Department of Defense to enable a new class of highly mobile, responsive, low-cost solid rocket motors that would incentivize competition and benefit programs across the military services. Therefore, the committee directs the Under Secretary of Defense for Research and Engineering, in coordination with the directors of the Service Research Labs and Space Rapid Capabilities Office, to provide a briefing to the House Committee on Armed Services not later than January 31, 2022, on how the Department of Defense could leverage investment in additive manufacturing technology to improve the domestic solid rocket motor industrial base with the intent of incentivizing competition, and delivering more responsive capabilities to the Warfighter. The committee further

encourages the Department to invest in technologies with small businesses and non-traditional suppliers to increase the solid rocket motor industrial base.

*Support for Department of Defense-wide SBIR and STTR Transition Education Program*

The budget request contained \$3.6 million in PE 0605790D8Z for the administration of the Department of Defense Small Business Innovation Research (SBIR) program and the Small Business Technology Transfer (STTR) program.

The committee is encouraged by the Department of Defense's innovative execution of the SBIR/STTR 3 percent administrative fund, as authorized by section 638(mm) of title 15, United States Code, and the Department of the Navy's efforts to reach out to non-traditional performers. The committee encourages the Secretary of Defense to seek additional opportunities to support participation of non-traditional performers from Defense Established Program to Stimulate Competitive Research (DEPSCoR) states and other underserved communities, and encourages the Secretary to leverage the Navy's SBIR/STTR Transition Program (STP) as a way of achieving efficient and effective support to those non-traditional performers.

The Navy has demonstrated success in mentoring Phase II companies for increased transition of SBIR and STTR technologies by focusing administrative funding toward education within the STP. Recently, the STP has leveraged online resources and virtual platforms for successful delivery of this mentorship and education. By modeling the Navy's STP delivery methodology success, the Department of Defense can achieve a broadly accessible and cost-effective virtual program aimed at increasing participation within DEPSCoR states and underserved communities.

Therefore, the committee recommends \$8.6 million, an increase of \$5.0 million, in PE 0605790D8Z to enable the Secretary of Defense to expand the Navy's SBIR/STTR transition program across the Department to better educate small businesses, researchers, and universities in DEPSCoR states and underserved communities on how to participate in the Department's SBIR and STTR programs.

The committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than June 30, 2022, on the Secretary's progress in expanding the Navy's SBIR/STTR transition program in support of small businesses, researchers, and universities in DEPSCoR states and underserved communities.

### TITLE III—OPERATION AND MAINTENANCE

#### ITEMS OF SPECIAL INTEREST

##### BUDGET REQUEST ADJUSTMENTS

##### Nucleated Foam Engine Wash

The budget request for fiscal year 2022 contained \$1.08 billion in Defense-Wide Operations and Maintenance for maintenance.

The committee is aware that an advanced FAA-accepted nucleated foam engine restoration technology is demonstrating the ability to improve the long-term readiness, efficiency, and sustainability of critical military aircraft engines, while reducing fuel consumption and emissions. The committee also understands that in addition to achieving substantial efficiency and safety improvements, recent foam engine wash testing performed on CV-22 turbine engines under an AFWERX SBIR contract has significantly reduced the engine wash cycle from multiple hours to only thirty minutes, while reducing the need for up to five maintainers, further increasing critical aircraft readiness while reducing overall maintenance cost and manning requirements.

The committee appreciates the Air Force Office of Operational Energy and the Air Force Special Operations Command's roles in advancing this technology demonstration and is interested in opportunities to leverage this solution across varying military aircraft platforms in other military services, such as the Marine Corps Special Operations Command, so that it may enhance combat capability and improve aeronautical performance and readiness of military aircraft against potential future threats.

Therefore, the committee recommends \$1.08 billion, an increase of \$2.0 million, in Maintenance for nucleated foam engine wash testing.

Further, the committee directs the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict to provide a briefing to the House Committee on Armed Services by December 31, 2021, on the resources required for the MARSOC to implement this program.

## LOGISTICS AND SUSTAINMENT ISSUES

### Sustainment Competition in the F-35 Program

The committee is concerned about rising sustainment costs in the F-35 program, as these costs create affordability challenges for the services. As such, the committee is interested in determining the Department of Defense's plans to increase competition within the F-35 enterprise, including what intermediate steps could be taken in the near term to leverage the whole of industry outside the original equipment manufacturers. Increased competition for F-35 sustainment could reduce lifecycle costs, increase efficiency, and drive innovation while strengthening the overall viability of the program. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2022, on the Department's efforts to reduce sustainment costs by driving competition into the F-35 program. The briefing should include information on known barriers that must be overcome to facilitate a competitive sustainment environment, as well as recommended solutions.

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

### ITEMS OF SPECIAL INTEREST

#### Evaluating Employee Ownership in Department of Defense Government Contractors

The committee recognizes that businesses that are established as S corporations with 100 percent of the outstanding stock held through an employee stock ownership plan (ESOP), as defined in section 4975(e)(7) of the Internal Revenue Code, are uniquely resilient during a financial crisis.

Therefore, the committee directs the Secretary of Defense to evaluate whether the corporate structure of nontraditional defense contractors wholly owned by ESOPs enables them to successfully transition between experimental prototyping to full-scale development, by identifying a contracting activity, such as the Defense Innovation Unit, and prescribing minimally burdensome procedures for businesses entering agreements with that contracting activity to verify that they are wholly owned through an ESOP.

The committee further directs the Secretary of Defense to submit a report to the House Committee on Armed Services, not later than March 1, 2022, that includes:

- (1) the number of firms wholly owned through ESOPs that were awarded prototyping agreements during the past year;
- (2) data on the ability of firms wholly owned through ESOPs to attract and retain a talented workforce in a competitive market;
- (3) an evaluation of how these firms were able to leverage the capital needed to bridge the funding gap between prototype demonstration and full-scale development; and
- (4) any challenges that prevent firms wholly owned through ESOPs from partnering with the Department of Defense to scale their technologies and capabilities.

The committee further directs the Comptroller General of the United States to provide a briefing to the House Committee on Armed Services, not later than July 1, 2022, on the Comptroller General's preliminary review of the report submitted by the Secretary. At a minimum, the review shall address acquisition authorities that could be used to incentivize businesses to become qualified businesses wholly owned through ESOPs and to overcome challenges to partnering with the Department.

#### Implementation of Enhanced Post-Award Debriefings

The committee remains concerned that more should be done to address findings made in a RAND Corporation report, directed by section 885 of the

National Defense Authorization Act for Fiscal Year 2017 (Public Law 114-328), that “debriefings that are evasive or adversarial will lead to a bid protest in most cases.” The committee emphasizes the value of meaningful debriefings, and observes that an April 2016 Defense Procurement and Acquisition Policy Memorandum provides that “timely and thorough debriefings increase competition, encourage offerors to continue to invest resources in the Government marketplace, and enhance the Government’s relationship and credibility with Industry.”

The committee is encouraged that in evaluating the extent to which the bid protest system affects or is perceived to affect the quality or quantity of pre-proposal discussions, discussions of proposals, or post-award debriefings, the RAND report found that some Department of Defense agencies are improving dialogue with companies to increase the transparency of the procurement process and dissuade unsuccessful offerors from filing bid protests.

The committee is further encouraged that the enhanced debriefing rights established in section 818 of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115-91) were immediately implemented as a class deviation and expects the related Defense Federal Acquisition Regulation Supplement case to be resolved soon.

In order for the Department to gain the full benefit of enhanced debriefings, the committee emphasizes the demonstrated value of meaningful, in-person debriefings to avoid unnecessarily costly and time-consuming bid protests. Therefore the committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by December 30, 2021, on the Department’s efforts to implement enhanced debriefings with disappointed offerors and to conduct training for and sharing of best practices with contracting officers to ensure debriefings are responsive and informative, and on the resulting impact on the number of post-award bid protest filings. The briefing shall also include an assessment of the costs and benefits of revising Department policy to require post-award debriefings on contracts over \$500.0 million be conducted in person.

#### Minority- and Veteran-Owned Defense Supplier Development in the Aerospace Supply Chain Network

The committee recognizes the need to ensure the resiliency of the aerospace supply chain network, particularly with regard to small unmanned aircraft systems (sUAS), particularly in light of a shrinking number of suppliers and limited availability of skilled workforce at all levels of production. Specifically, the committee notes the Department of Defense’s Fiscal Year 2020 Industrial Capabilities Report identified just 5 U.S. companies in the top 10 of U.S. sUAS market shareholders.

The committee is aware that the National Aeronautics and Space Administration (NASA) Aeronautics Research Institute (ARI) is building a modeling and simulation capability that will enable parametric sensitivity analysis of various



demand profiles and their effects on the supply chain, from systems and parts to raw materials. The committee encourages the Department to explore ways to partner with the NASA ARI to ensure the aerospace supply chain can meet current and future needs for readiness, resiliency, production targets, and competitiveness in the complete life cycle.

Further, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services, not later than December 31, 2022, that includes an assessment of current supply chain risks in the sUAS industrial base, an analysis of efforts needed to ensure a strong and resilient supply chain ecosystem to meet future and emerging needs, and an assessment of benefits that could be gained through a shared services agreement between the Department and NASA. The briefing shall also include an examination of the workforce skills and talents needed to support the evolving aerospace industry, with a specific focus on bringing minority-owned and veteran-owned suppliers into the supply chain.

### Modeling and Simulation

The committee supports efforts by the Department of Defense to use modeling and simulation technologies to enhance rapid and efficient development and fielding of weapon systems and subsystems. These technologies have important applications in various aspects of programs, including research and development, design, production, delivery, maintenance, and sustainment. Therefore, the committee directs the Under Secretary of Defense for Research and Engineering, in coordination with the Under Secretary of Defense for Acquisition and Sustainment and the senior acquisition executives of each of the military departments, to provide a briefing to the House Committee on Armed Services by April 1, 2022, on current and contemplated efforts to increase speed to market, reduce risk, and foster interoperability in the industrial base through the use of modeling and simulation. The briefing shall include a discussion of ways to include artificial intelligence and digital twin technologies in these efforts.

### Refining Capacity in the United States

The committee remains attentive to the national security implications of assured access to energy. Although refining capacity for fossil fuels remains important in the near term, the committee is encouraged by ongoing developments in sustainable aviation fuels with comparable performance characteristics to traditional fuels and capability with existing fuel infrastructure and equipment. The committee emphasizes the importance of a robust domestic market for both legacy and emerging fuel technology as well as emerging markets for non-agricultural domestic feedstocks for these technologies. Accordingly, the committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services by April 1, 2022, on the Department of Defense efforts to sustain and expand sources of fuel to meet operational requirements. The briefing shall address the national security

implications of reduced small refinery capacity in the United States, including the potential impacts on the fuel supply chain and the risks associated with reliance on foreign sources of fossil fuels. The briefing shall also address the status of the Department's work to integrate hydrogen-based fuels and sustainable fuel refining capabilities and describe how the Department is integrating those emerging capabilities into overall plans for delivering fuel.

### Sourcing in Major Defense Acquisition Programs

The committee continues to emphasize the importance of aligning the Department of Defense acquisition processes with the standards of the Buy American Act (Public Law 72-428). In the committee report accompanying the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (H. Rept. 116-442), the committee required a report assessing the source content of procurement carried out in support of major defense acquisition programs (MDAPs). The committee received that report more than a month after its required due date. Further, the findings were heavily qualified by references to constraints of collecting underlying data. The committee appreciates the Department's proactive coordination with the Secretaries of the military departments to conduct in-depth reviews of certain MDAPs, as described in the report. However, the relatively short timeframe for those in-depth reviews resulted in a cursory section of the report that restated problems and offered few practical solutions.

Therefore, the committee directs the Under Secretary of Defense for Acquisition and Sustainment to provide a briefing to the House Committee on Armed Services, not later than March 1, 2022, to update the assessments performed in the prior report. Specifically, the briefing shall discuss year-over-year changes to: (1) the proportion of items and services procured in connection with an MDAP manufactured or developed in the United States which are substantially all from articles, materials, or supplies mined, produced, or manufactured in the United States; and (2) the components of major defense acquisition programs that are sole-sourced from a foreign supplier, including those sourced from a member of the North Atlantic Treaty Organization or a country that otherwise qualifies for a waiver under the Buy American Act. The briefing shall also address the extent to which such procurement is developed from ideas, concepts, or information originating from individuals or companies inside the United States. Finally, the briefing shall include a detailed set of options, including realistic cost and timing estimates, to overcome the challenges of data analysis and supply chain illumination that the prior report identified in connection with the in-depth reviews. In developing those potential courses of action, the briefing shall consider relevant software, services, and other tools available in and from the private sector.

### Status of Procurement Technical Assistance Program Integration into Office of Industrial Policy

The committee supports the Procurement Technical Assistance Program (PTAP) and its Procurement Technical Assistance Centers (PTACs) throughout the nation as a critical resource for the warfighter and large and small businesses, especially as the economy recovers from the COVID-19 pandemic. PTACs create a unique communication channel with subcontractors and suppliers, who often have limited or no direct interaction with government, but are critical to the defense supply chain. The committee supports the integration of the PTAP into the Office of Industrial Policy in compliance with section 852 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92). The committee’s intent for the move was to better integrate the PTAP into the Office of the Under Secretary of Defense for Acquisition and Sustainment to enhance the defense industrial base and find new and better ways to utilize the program beyond its core mission.

The committee further encourages the Office of the Under Secretary of Defense for Acquisition and Sustainment to work closely and collaboratively with the Association of PTACs, and to implement the recommendations published in a Comptroller General of the United States report (GAO-21-287), issued in response to the committee report accompanying the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (H. Rept. 116-442), to ensure the overlap between PTACs and the Small Business Administration's Small Business Development Centers is collaborative. The committee directs the Assistant Secretary of Defense (Industrial Policy) to provide a briefing to the House Committee on Armed Services not later than November 1, 2021, on specific efforts, both planned and implemented, to expand the role of the PTAP in acquisition, the defense industrial base, and its ability to serve more clients.

## TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

### ITEMS OF SPECIAL INTEREST

#### Report on the Office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict

The committee reaffirms its commitment to the fundamental principle of civilian control of the military. Civilian leadership within the Department of Defense includes the roles and responsibilities of the office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict in overseeing various military functions, especially those activities of the United States Special Operations Command to organize, train, and equip special operations forces to carry out assigned missions. The committee is concerned that the current size and composition of the office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict may not be proportionate to the scope of its roles and responsibilities.

Therefore, the committee directs the Secretary of Defense to review the organizational structure of the office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict and to provide a report to the congressional defense committees, not later than March 1, 2022, on the organizational requirements of the office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict and any plans that the Secretary may develop to reorganize that office. The report shall include a detailed description of the office of the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict's roles and responsibilities; a detailed description of the office's organizational structure; the number and type of billets funded by the Department of Defense that the Secretary determines are required to support the office's roles and responsibilities; a detailed description of the process and a timeline for validating those billets; a detailed description of any extant organizational gaps or redundancies; and a plan for remediating any such gaps or redundancies.

## TITLE XI—CIVILIAN PERSONNEL MATTERS

### ITEMS OF SPECIAL INTEREST

#### Technical and Digital Talent

The committee recognizes the technical and digital talent deficit within the Department of Defense. In order to attract the necessary technical and digital talent to serve within the military or at the Department, the Government must understand the public's perception and knowledge of technical and digital jobs available within the Department. Therefore, the committee directs the Under Secretary of Defense for Personnel and Readiness to provide a report to the House Committee on Armed Services not later than January 15, 2022, regarding:

(1) the awareness and opinions of science, technology, engineering, and mathematics (STEM) job opportunities within the Department and military held by young professionals, defined as individuals under the age of 35, employed full- or part-time in the technology industry or pursuing a degree in a STEM field;

(2) the work incentives and pay structures used by the technology industry, including publicly- or privately-held companies of any size with a focus on delivering technology products or services, compared with Government incentives and structures;

(3) the willingness of young professionals, defined as adults under the age of 35, employed full- or -part- in the technology industry or pursuing a degree in a STEM field, to serve part-time in the military or government, or rotate between the private sector and Government;

(4) barriers that prevent defined as adults under the age of 35, employed full- or -part- in the technology industry or pursuing a degree in a STEM field, from working for the Department or serve within the military;

(5) the approximate proportion of individuals, under the age of 35, working within the STEM fields that have previously worked for the Department or served in the military; and

(6) any information available regarding why individuals, under the age of 35, choose to leave Department or military service STEM careers for those in the private sector.

## TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

### ITEMS OF SPECIAL INTEREST

#### Countering Hybrid Threats

The committee supports the Department of Defense's efforts to develop resilience and build capacity to counter hybrid threats through research, training, and exercises with diverse partners, including at centers of excellence such as the European Centre of Excellence for Countering Hybrid Threats. The committee also supports efforts to incorporate learning from public, private, and academic sectors. Further, the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Public Law 116-283) authorized the participation of members of the U.S. Armed Forces and Department of Defense civilian personnel at the European Centre of Excellence for Countering Hybrid Threats. The committee therefore encourages the Department to explore opportunities to participate with the European Centre of Excellence for Countering Hybrid Threats on activities that incorporate best practices in addressing hybrid threats and enhance the ability of the military forces and civilian personnel of participating countries to conduct joint exercises and international military operations, as well as improve interoperability between the armed forces of such countries. The committee further directs the Secretary of Defense to provide a report to the House Committee on Armed Services not later than February 1, 2022, on Department activities to participate in the European Centre of Excellence for Countering Hybrid Threats.

#### Department of Defense State Partnership Program Support to U.S. Security Cooperation Objectives

The committee maintains a continuing interest in the Department of Defense State Partnership Program (SPP). The committee recognizes that SPP is an important component of U.S. security cooperation efforts. Further, the committee notes that SPP has expanded significantly in size and scope since its inception.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than March 1, 2022, regarding SPP. Such briefing shall include an evaluation of the support provided by SPP to the security cooperation objectives of the United States in support of the

National Security Strategy and the National Defense Strategy; an analysis of the National Guard's SPP requirements and resources (to include state-level components and associated personnel); an analysis of the roles played by National Guard bilateral affairs officers in support of the SPP; and any other matters regarding the status of the SPP that the Secretary determines relevant.

### Global Fragility Act Implementation

The committee notes that the Global Fragility Act of 2019 (Public Law 116-94) passed with strong support and that successful implementation is intended to improve the interagency's approach to stabilization in conflict-affected areas and prevent violence and fragility globally. The committee also notes that successful implementation requires attention at the appropriate level within the respective departments and agencies. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than December 1, 2021, that identifies the official, as required by law, at the appropriate and commensurate level who has been delegated responsibility for overseeing and leading the Global Fragility Initiative, including coordination within the Department. The Secretary is further directed to identify in that briefing any gaps in staffing, authorities, or other requirements needed to implement the law and what limitations, if any, continue to impede the progress of implementation.

### Operational Concepts

The committee aims to ensure that Department of Defense operational concepts with regard to challenges from near-peer competitors are adequately developed and appropriately coordinated with the Department's strategies, resources, and activities. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services not later than January 15, 2022, on operational concepts developed for the purpose of countering the Government of the People's Republic of China (PRC) and Russia. This briefing shall include, at a minimum:

(1) an assessment of the operational challenges presented by the PRC and Russia;

(2) a detailed overview of the Department's past and present efforts to develop operational concepts to address these challenges in every military domain, including the land, air, sea, space, and cyber domains;

(3) a detailed overview of the Department's past and present efforts to develop operational concepts to counter hybrid warfare and aggression occurring below the threshold of armed conflict, including cyber-attacks and disinformation campaigns;

(4) a detailed overview of the Department's past and present efforts to develop operational concepts to defeat aggression by the PRC or Russia should deterrence fail;

- (5) a detailed overview of what metrics the Department is using to measure progress in development of these operational concepts;
- (6) a detailed overview of how the Department is working to link these operational concepts to objectives, capabilities, and force posture;
- (7) a detailed overview of how the Department coordinates and deconflicts operational concepts between the military services;
- (8) an assessment of relevant operational concepts of the PRC and Russia;
- (9) with regard to the overviews and assessments included in the briefing, a quantification of the proportion of relevant work that has been devoted respectively to the PRC and to Russia; and,
- (10) any other aspects of an operational assessment the Secretary determines is necessary or useful to the committee's understanding of the operational concepts under evaluation and development.

### Status of Operation Atlantic Resolve

The committee believes it is important for the Department of Defense and Congress to be definitionally clear on the official status of Operation Atlantic Resolve. Therefore, the committee directs the Secretary of Defense to provide to the House Committee on Armed Services not later than January 5, 2022, a determination in writing as to whether or not Operation Atlantic Resolve officially constitutes a named operation or not, along with an assessment of the legal and policy implications of that status.

### Strategy to Mitigate Modifications to Defender Europe

The committee notes that the Department of Defense cancelled the large-scale theater level Defender Europe exercise for fiscal year 2022 at a time of increased escalatory Russian military activity and replaced it with smaller-scale activities. Large-scale theater level Defender Europe exercises have been a cornerstone of United States deterrence activity against Russia and demonstrate the United States capacity to rapidly reinforce the European continent in a contingency while building readiness, demonstrating resolve, enhancing capability, and strengthening alliances and partnerships. The committee further notes that this change could impact Defender Pacific exercises in the Indo-Pacific. Therefore, the committee directs the Secretary of Defense to provide to the congressional defense committees not later than January 5, 2022, a strategy in writing that details how it will mitigate the impacts on readiness, deterrence, and interoperability of the modifications made to this exercise.

The committee is concerned that the decision to modify the Defender Europe exercise was made years ago but was not shared with Congress until the fiscal year 2022 President's Budget request. The committee urges the Department of Defense to review this decision and the benefits of conducting a theater-level European exercise to deter Russia in future years.

## Strategy to Mitigate U.S. Army V Corps in the Continental United States Challenges

The committee notes previous military advice indicating that U.S. Army V Corps should be forward-stationed in Europe and the potential operational impacts of the stationing of V Corps in the continental United States. Therefore, the committee directs the Under Secretary of Defense for Policy, in coordination with the Under Secretary of Defense for Acquisition and Sustainment, the Secretary of the Army, and the Commander, United States European Command, to provide a strategy to the congressional defense committees not later than January 5, 2022, to mitigate any logistical and policy challenges posed by hybrid rotational structure to Europe. The strategy shall include measures to address challenges posed by potential Russian actions to disrupt V Corps interaction with the European theater, substantial time zone differences, limitations on the ability to coordinate with and assure allies due to physical distance, staffing and logistical challenges inherent in spreading a Corps headquarters between North America and Europe, and all other relevant issues. The strategy shall include, for each mitigation measure, an assessment of the effectiveness that each measure would have in addressing each relevant challenge, as well as a comparative assessment of the effectiveness that each measure would have in comparison to forward-stationing V Corps in Europe as well as a comparative assessment of the cost of the current hybrid structure as compared to fully forward stationing V Corps in Europe.

## TITLE XVI—SPACE ACTIVITIES, STRATEGIC PROGRAMS, AND INTELLIGENCE MATTERS

### ITEMS OF SPECIAL INTEREST

#### SPACE ACTIVITIES

##### Launch of Experimental Spaceflight Activities

The committee notes increased activities by commercial space launch providers with regards to experimental spaceflight capabilities that have potential current and future national security applications. Therefore, the committee directs the Secretary of Defense to submit a report to the House Committee on Armed Services not later than February 1, 2022, on the execution of experimental spaceflight activities for next-generation launch vehicle systems and technologies that have national security space launch applications, particularly in relation to maintaining U.S. space technology leadership over China. The report shall address:

(1) permissions and authorities required to support expedited approval for experimental spaceflight activities, including Department of Defense procedures to approve experimental spaceflight activities determined to be in the national security interests of the United States;



(2) how safety to the public will be ensured during experimental spaceflight activities authorized by the Department of Defense, as well as detailed requirements for private insurance coverage for potential third-party losses due to experimental spaceflight activities; and

(3) how to expedite timelines and reduce costs to providers for experimental spaceflight activities that support national security space launch and foster rapid innovation and development to address future requirements.

### Space Warfare Analysis Center

The committee notes the requested legislative proposal by the Department of Defense to establish a new field operating activity for the Space Warfare Analysis Center (SWAC), which would report to the Chief of Space Operations and be responsible for setting requirements and overall satellite architecture for future programs. The committee further notes that this activity has to date fallen under the joint-Department of Defense and Director for National Intelligence Space Security and Defense Program (SSDP), and there has not been clear communication with the committee on how these two organizations will interact, and who will ultimately be responsible for those activities which cross over both title 10 and title 50, United States Code, equities. The committee is supportive of efforts undertaken to re-look at the current missile warning, track and defense design, and ensure resilience and future threats are taken into account when designing the architecture, and is encouraged that other mission areas, such as communications, will be assessed next.

While the committee is generally supportive of the intent in establishing the SWAC, alignment to the Chief of Space Operations should be reassessed, and alignment to the Assistant Secretary of the Air Force for Space Acquisition and Integration should be considered to ensure that both requirements and acquisition are fully integrated at the decision-making level to avoid previous failures of space acquisition where these functions have been disaggregated. Therefore, the committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services not later than January 31, 2022, on future alignment of the SWAC and funding and personnel required to stand-up and sustain the center. The Secretary should further consider a co-reporting structure to the Chief of Space Operations to ensure a direct line to the operational community with regards to architecture studies.

### NUCLEAR FORCES

#### Report on Nuclear Command, Control, and Communications Enterprise Modernization

The committee notes that the age, complexity, and dispersed nature of the legacy nuclear command, control, and communications (NC3) enterprise requires sustained and coordinated investments. Adding to this complex problem are

upgraded and modernized systems coming online replacing legacy systems. The committee further notes that the Department of Defense cannot afford delays or unaligned acquisitions, given the importance of this mission.

Therefore, the committee directs the the Secretary of Defense to submit a report to the House Committee on Armed Services not later than May 1, 2022, on the Department's modernization strategy with respect to NC3. The report shall include at a minimum the following:

- (1) a definition of the future NC3 enterprise;
- (2) a description of critical NC3 capability gaps;
- (3) projected NC3 operational requirements through 2026;
- (4) a proposed acquisition strategy;
- (5) consideration of all available software development authorities; and
- (6) associated timelines and cost estimates for critical elements of the NC3 enterprise through 2026.

# **ADDENDUM: SUMMARY TABLES**

Note: The following table is informational only and will be included as part of the committee report.

## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
<b>DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE</b>			
<b>National Defense Funding, Base Budget Request</b>			
<b>Function 051, Department of Defense-Military</b>			
<b>Division A: Department of Defense Authorizations</b>			
<b>Title I—Procurement</b>			
Aircraft Procurement, Army .....	2,806,452	129,979	2,936,431
Missile Procurement, Army .....	3,556,251	-54,000	3,502,251
Weapons & Tracked Combat Vehicles, Army .....	3,875,893	302,378	4,178,271
Procurement of Ammunition, Army .....	2,158,110	117,553	2,275,663
Other Procurement, Army .....	8,873,558	-337,909	8,535,649
Aircraft Procurement, Navy .....	16,477,178	1,552,035	18,029,213
Weapons Procurement, Navy .....	4,220,705	-141,100	4,079,605
Procurement of Ammunition, Navy & Marine Corps .....	988,018	-10,500	977,518
Shipbuilding & Conversion, Navy .....	22,571,059	1,111,300	23,682,359
Other Procurement, Navy .....	10,875,912	-34,110	10,841,802
Procurement, Marine Corps .....	3,043,091	77,800	3,120,891
Aircraft Procurement, Air Force .....	15,727,669	1,428,730	17,156,399
Missile Procurement, Air Force .....	2,669,811	-50,000	2,619,811
Procurement of Ammunition, Air Force .....	795,168	-5,000	790,168
Other Procurement, Air Force .....	25,251,137	927	25,252,064
Procurement, Space Force .....	2,766,854		2,766,854
Procurement, Defense-Wide .....	5,548,212	-52,000	5,496,212
National Guard & Reserve Equipment .....	0	100,000	100,000
<b>Subtotal, Title I—Procurement .....</b>	<b>132,205,078</b>	<b>4,136,083</b>	<b>136,341,161</b>
<b>Title II—Research, Development, Test and Evaluation</b>			
Research, Development, Test & Evaluation, Army .....	12,799,645	248,141	13,047,786
Research, Development, Test & Evaluation, Navy .....	22,639,362	-78,705	22,560,657
Research, Development, Test & Evaluation, Air Force .....	39,184,328	-287,972	38,896,356
Research, Development, Test & Evaluation, Space Force .....	11,266,387	176,900	11,443,287
Research, Development, Test & Evaluation, Defense- Wide .....	25,857,875	774,811	26,632,686
Operational Test & Evaluation, Defense .....	216,591	4,000	220,591
<b>Subtotal, Title II—Research, Development, Test and Evaluation .....</b>	<b>111,964,188</b>	<b>837,175</b>	<b>112,801,363</b>
<b>Title III—Operation and Maintenance</b>			
Operation & Maintenance, Army .....	54,616,397	-3,158,547	51,457,850
Operation & Maintenance, Army Reserve .....	3,000,635		3,000,635
Operation & Maintenance, Army National Guard .....	7,647,209		7,647,209
Afghanistan Security Forces Fund .....	3,327,810	-2,977,810	350,000
Counter-ISIS Train and Equip Fund .....	522,000		522,000
Operation & Maintenance, Navy .....	60,441,228	270,208	60,711,436
Operation & Maintenance, Marine Corps .....	9,024,791		9,024,791
Operation & Maintenance, Navy Reserve .....	1,148,698		1,148,698

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022—Continued

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
Operation & Maintenance, Marine Corps Reserve .....	285,050		285,050
Operation & Maintenance, Air Force .....	53,876,475	-562,599	53,313,876
Operation & Maintenance, Space Force .....	3,440,712		3,440,712
Operation & Maintenance, Air Force Reserve .....	3,352,106	-110,000	3,242,106
Operation & Maintenance, Air National Guard .....	6,574,020		6,574,020
Operation & Maintenance, Defense-Wide .....	44,918,366	670,990	45,589,356
Ukraine Security Assistance .....	0	275,000	275,000
United States Court of Appeals for the Armed Forces .....	15,589		15,589
DOD Acquisition Workforce Development Fund .....	54,679		54,679
Overseas Humanitarian, Disaster, and Civic Aid .....	110,051	540,000	650,051
Cooperative Threat Reduction Account .....	239,849		239,849
Environmental Restoration .....	1,028,187	673,000	1,701,187
<b>Subtotal, Title III—Operation and Maintenance .....</b>	<b>253,623,852</b>	<b>-4,379,758</b>	<b>249,244,094</b>
<b>Title IV—Military Personnel</b>			
Military Personnel Appropriations .....	157,947,920	-500,000	157,447,920
Medicare-Eligible Retiree Health Fund Contributions ...	9,337,175		9,337,175
<b>Subtotal, Title IV—Military Personnel .....</b>	<b>167,285,095</b>	<b>-500,000</b>	<b>166,785,095</b>
<b>Title XIV—Other Authorizations</b>			
Working Capital Fund, Army .....	384,711		384,711
Working Capital Fund, Navy .....	150,000		150,000
Working Capital Fund, Air Force .....	77,453		77,453
Working Capital Fund, Defense-Wide .....	127,765		127,765
Working Capital Fund, DECA .....	1,162,071		1,162,071
Chemical Agents & Munitions Destruction .....	1,094,352		1,094,352
Drug Interdiction and Counter Drug Activities .....	821,908		821,908
Office of the Inspector General .....	438,363		438,363
Defense Health Program .....	35,592,407	55,500	35,647,907
<b>Subtotal, Title XIV—Other Authorizations .....</b>	<b>39,849,030</b>	<b>55,500</b>	<b>39,904,530</b>
<b>Total, Division A: Department of Defense Authoriza- tions .....</b>	<b>704,927,243</b>	<b>149,000</b>	<b>705,076,243</b>
<b>Division B: Military Construction Authorizations</b>			
<b>Military Construction</b>			
Army .....	834,692	417,981	1,252,673
Navy .....	2,368,352	40,196	2,408,548
Air Force .....	2,102,690	-35,540	2,067,150
Defense-Wide .....	1,957,289	196,827	2,154,116
NATO Security Investment Program .....	205,853		205,853
Army National Guard .....	257,103	115,105	372,208
Army Reserve .....	64,911	82,400	147,311
Navy and Marine Corps Reserve .....	71,804	-1,000	70,804
Air National Guard .....	197,770	50,200	247,970
Air Force Reserve .....	78,374	8,700	87,074
Unaccompanied Housing Improvement Fund .....	494		494
<b>Subtotal, Military Construction .....</b>	<b>8,139,332</b>	<b>874,869</b>	<b>9,014,201</b>

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022—Continued

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
<b>Family Housing</b>			
Construction, Army .....	99,849	46,500	146,349
Operation & Maintenance, Army .....	391,227		391,227
Construction, Navy and Marine Corps .....	77,616		77,616
Operation & Maintenance, Navy and Marine Corps .....	357,341		357,341
Construction, Air Force .....	115,716		115,716
Operation & Maintenance, Air Force .....	325,445		325,445
Operation & Maintenance, Defense-Wide .....	49,785		49,785
Improvement Fund .....	6,081		6,081
<b>Subtotal, Family Housing .....</b>	<b>1,423,060</b>	<b>46,500</b>	<b>1,469,560</b>
<b>Base Realignment and Closure</b>			
Base Realignment and Closure—Army .....	65,301	50,000	115,301
Base Realignment and Closure—Navy .....	111,155	50,000	161,155
Base Realignment and Closure—Air Force .....	104,216	50,000	154,216
Base Realignment and Closure—Defense-wide .....	3,967		3,967
<b>Subtotal, Base Realignment and Closure .....</b>	<b>284,639</b>	<b>150,000</b>	<b>434,639</b>
<b>Total, Division B: Military Construction Authoriza- tions .....</b>	<b>9,847,031</b>	<b>1,071,369</b>	<b>10,918,400</b>
<b>Total, 051, Department of Defense-Military .....</b>	<b>714,774,274</b>	<b>1,220,369</b>	<b>715,994,643</b>
<b>Division C: Department of Energy National Security Authorization and Other Authorizations</b>			
<b>Function 053, Atomic Energy Defense Activities</b>			
<b>Environmental and Other Defense Activities</b>			
Nuclear Energy .....	149,800		149,800
Weapons Activities .....	15,484,295	34,000	15,518,295
Defense Nuclear Nonproliferation .....	1,934,000	67,000	2,001,000
Naval Reactors .....	1,860,705		1,860,705
Federal Salaries and Expenses .....	464,000		464,000
Defense Environmental Cleanup .....	6,841,670		6,841,670
Other Defense Activities .....	1,170,000	-250,000	920,000
Defense Nuclear Waste Disposal .....	0		0
<b>Subtotal, Environmental and Other Defense Activi- ties .....</b>	<b>27,904,470</b>	<b>-149,000</b>	<b>27,755,470</b>
<b>Independent Federal Agency Authorization</b>			
Defense Nuclear Facilities Safety Board .....	31,000		31,000
<b>Subtotal, Independent Federal Agency Authorization</b>	<b>31,000</b>	<b>0</b>	<b>31,000</b>
<b>Subtotal, 053, Atomic Energy Defense Activities .....</b>	<b>27,935,470</b>	<b>-149,000</b>	<b>27,786,470</b>
<b>Function 054, Defense-Related Activities</b>			
<b>Other Agency Authorizations</b>			
Maritime Security Program .....	318,000		318,000
Tanker Security Program .....	60,000		60,000

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## SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022—Continued

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
<b>Subtotal, Other Agency Authorizations</b> .....	<b>378,000</b>	<b>0</b>	<b>378,000</b>
<b>Subtotal, 054, Defense-Related Activities</b> .....	<b>378,000</b>	<b>0</b>	<b>378,000</b>
<b>Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations</b> ..	<b>28,313,470</b>	<b>-149,000</b>	<b>28,164,470</b>
<b>Total, National Defense</b> .....	<b>743,087,744</b>	<b>1,071,369</b>	<b>744,159,113</b>
<b>MEMORANDUM: NON-DEFENSE AUTHORIZATIONS</b> .....	<b>882,454</b>	<b>546,181</b>	<b>1,428,635</b>
Title XIV—Armed Forces Retirement Home (Function 700) .....	75,300		75,300
Title XXXIV—Naval Petroleum and Oil Shale Reserves (Function 270) .....	13,650		13,650
Title XXXV—Maritime Administration (Function 400) ..	793,504	546,181	1,339,685
<b>MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)</b>			
Title X—General Transfer Authority .....			[6,500,000]
<b>MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COM- MITTEE (NON-ADD)</b>			
Defense Production Act .....	340,927		

# **ADDENDUM: COMMUNITY PROJECT FUNDING ITEMS**

Note: The following table lists the Community Project Funding items contained in the funding tables. This table is informational only and will be included as part of the committee report.



**COMPLIANCE WITH HOUSE RULE XXI**  
(Community Project Funding Items)

TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thousands)	MEMBER
4201	RDA	0602141A	008	Research and Development of Next Generation Explosives and Propellants	Virginia Polytechnic Institute and State University	Blacksburg, VA	\$1,000	Griffith, H. Morgan (VA)
4201	RDA	0602144A	011	The Army Research Lab's (ARL) Additive Manufacturing/Machine Learning (AM/ML) Initiative	Carnegie Mellon University	Pittsburgh, PA	\$5,000	Lamb, Conor (PA)
4201	RDA	0602145A	012	High-efficiency Truck Users Forum (HTUF)	CALSTART	Pasadena, CA	\$2,500	Chu, Judy (CA)
4201	RDA	0602145A	012	Structural Thermoplastics Large-Scale Low-Cost Tooling Solutions	University of Maine	Orono, ME	\$4,500	Golden, Jared F. (ME)
4201	RDA	0602146A	013	Future Nano- and Micro-Fabrication - Advanced Materials Engineering Research Institute	Florida International University	Miami-Dade County, FL	\$6,800	Wilson, Frederica S. (FL)
4201	RDA	0602146A	013	Multiple Drone, Multiple Sensor ISR Capabilities	University of Memphis	Memphis, TN	\$5,000	Cohen, Steve (TN)
4201	RDA	0602146A	013	Future Nano and Micro-Fabrication - Advanced Materials Engineering Research Institute	Florida International University	Miami-Dade, FL	\$6,800	Wasserman Schultz, Debbie (FL)
4201	RDA	0602787A	025	Human Performance Optimization (HPO) Center	University of Texas Health Science Center SA	San Antonio, TX	\$2,000	Cuellar, Henry (TX)
4201	RDA	0602787A	025	Suicide Prevention with Focus on Rural, Remote, Isolated, and OCONUS Installations	University of Alaska Fairbanks	Fairbanks, AK	\$2,000	Young, Don (AK)
4201	RDA	0603119A	038	Military Operations in a Permafrost Environment	US Army Corps of Engineers - CRREL	Fort Wainwright, AK	\$3,000	Young, Don (AK)
4201	RDN	0601153N	003	Digital Twins for Navy Maintenance	Morgan State University	Baltimore, MD	\$1,985	Brown, Anthony G. (MD)
4201	RDN	0602747N	012	Connected AI for Autonomous UUV Systems	Florida Atlantic University	Boca Raton, FL	\$5,000	Deutch, Theodore E. (FL)
4201	RDN	0602747N	012	Persistent Maritime Surveillance	Florida Atlantic University	Boca Raton, FL	\$5,000	Deutch, Theodore E. (FL)
4201	RDN	0602747N	012	Persistent Maritime Surveillance	Florida Atlantic University	Boca Raton, FL	\$5,000	Wasserman Schultz, Debbie (FL)
4201	RDN	0602747N	012	Connected AI for Autonomous UUV Systems	Florida Atlantic University	Boca Raton, FL	\$5,000	Wasserman Schultz, Debbie (FL)
4201	RDN	0702207N	251	Defense Industrial Skills and Technology Training	The Roux Institute at Northeastern University	Portland, ME	\$5,000	Golden, Jared F. (ME)
4201	RDAF	0601103F	002	Neural-enabled Prosthetics: Virtual and Remote Reality	Florida International University	Miami-Dade, FL	\$1,500	Wilson, Frederica S. (FL)
4201	RDAF	0601103F	002	Neural-enabled Prosthetics	Florida International University	Miami-Dade, FL	\$1,500	Wasserman Schultz, Debbie (FL)
4201	RDAF	0602102F	005	Affordable Multifunctional Aerospace Composites	FSU High Performance Materials Institute	Tallahassee, FL	\$10,000	Lawson, Jr., Al (FL)
4201	RDAF	0602605F	013	Directed Energy Research and Education for Workforce Development	University of New Mexico	Albuquerque, NM	\$2,500	Leger Fernandez, Teresa (NM)
4201	RDAF	0602788F	014	Assessment of a National Laboratory for Transformational Computing	University of California San Diego	La Jolla, San Diego County, CA	\$2,000	Levin, Mike (CA)
4201	RDAF	0602788F	014	Assessment of a National Laboratory for Transformational Computing	University of California San Diego	La Jolla, San Diego County, CA	\$2,000	Peters, Scott H. (CA)
4201	RDAF	0603216F	022	Development of Advanced Propulsion Technologies for Hypersonic Systems	FAMU-FSU College of Engineering	Tallahassee, FL	\$5,000	Lawson, Jr., Al (FL)
4201	RDAF	0603680F	029	Additive Manufacturing and Ultra-High Performance Concrete	Florida International University	Miami-Dade, FL	\$5,000	Wilson, Frederica S. (FL)
4201	RDAF	0603680F	029	Additive Manufacturing and Ultra-High Performance Concrete	Florida International University	Miami-Dade, FL	\$5,000	Wasserman Schultz, Debbie (FL)
4201	RDAF	0304310F	247	Mobilizing Civilian Expertise for National Security Education on Geo-Economics, and Innovation in the Era of Great Power Competition	University of California San Diego	La Jolla, San Diego County, CA	\$5,000	Levin, Mike (CA)
4201	RDAF	0304310F	247	Mobilizing Civilian Expertise for National Security Education on Geo-Economics, and Innovation in the Era of Great Power Competition	University of California San Diego	La Jolla, San Diego County, CA	\$5,000	Peters, Scott H. (CA)
4201	RDSF	1206860SF	029	Small Rocket Program	Alaska Aerospace Corporation - State of Alaska	Anchorage, AK	\$4,000	Young, Don (AK)
4201	RDSF	1203182SF	041	Tactically Responsive Launch/Deployable Spaceport	Alaska Aerospace Corporation - State of Alaska	Anchorage, AK	\$7,000	Young, Don (AK)
4201	RDDW	0601101E	002	Novel Analytical and Empirical Approaches to the Prediction and Monitoring of Disease Transmission	American Museum of Natural History	New York, NY	\$1,500	Nadler, Jerrold (NY)
4201	RDDW	060110D8Z	004	Florida Memorial University Department of Natural Sciences STEM Equipment	Florida Memorial University	Miami Gardens, FL	\$400	Wilson, Frederica S. (FL)

**COMPLIANCE WITH HOUSE RULE XXI**  
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TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thousands)	MEMBER
4201	RDDW	0601110D8Z	004	SOUTHCOM Enhanced Domain Awareness (EDA) Initiative	Florida International University	Miami-Dade County, FL	\$1,300	Wilson, Frederica S. (FL)
4201	RDDW	0601110D8Z	004	SOUTHCOM Enhanced Domain Awareness (EDA) Initiative	Florida International University	Miami-Dade, FL	\$1,300	Wasserman Schultz, Debbie (FL)
4201	RDDW	0601120D8Z	006	Florida Memorial Avionics Smart Scholars	Florida Memorial University	Miami Gardens, FL	\$1,000	Wilson, Frederica S. (FL)
4201	RDDW	0601228D8Z	007	Augmenting Quantum Sensing Research, Education and Training in DoD CoE at DSU	Delaware State University	Dover, DE	\$1,111	Blunt Rochester, Lisa (DE)
4201	RDDW	0601228D8Z	007	HBCU Training for the Future of Aerospace	Florida Memorial University	Miami Gardens, FL	\$1,000	Wilson, Frederica S. (FL)
4201	RDDW	0603680D8Z	050	Cold Spray and Rapid Deposition Lab	Florida International University	Miami-Dade County, FL	\$1,300	Wilson, Frederica S. (FL)
4201	RDDW	0603680D8Z	050	Cold Spray and Rapid Deposition Lab	Florida International University	Miami-Dade, FL	\$1,300	Wasserman Schultz, Debbie (FL)
4601	MCA			Anniston Army Depot Welding Facility	Anniston Army Depot	Anniston, AL	\$25,000	Rogers, Mike (AL)
4601	MCA			Fort Detrick Medical Waste Incinerator	US Army Garrison, Fort Detrick	Frederick, MD	\$23,981	Trone, David J. (MD)
4601	MCA			Medical Waste Incinerator Building	Fort Detrick	Frederick, MD	\$23,981	Brown, Anthony G. (MD)
4601	MCA			Wellfield Expansion Resilience Project	Fort Drum	Fort Drum, NY	\$27,000	Stefanik, Elise M. (NY)
4601	MCN			P1231 - Wastewater Treatment Plant, MCAGCC 29 Palms, CA	MCAGCC 29 Palms	Twentynine Palms, CA	\$45,000	Obermolte, Jay (CA)
4601	MCN			P021 - Lighterage and Small Craft Facility	Marine Corps Support Facility Blount Island	Jacksonville, FL	\$7,000	Rutherford, John H. (FL)
4601	MCN			Contained Burn Facility	NSWC Indian Head	Indian Head, MD	\$1,500	Hoyer, Steny H. (MD)
4601	MCN			Contained Burn Facility	Naval Surface Warfare Center, Indian Head	Indian Head, MD	\$1,500	Brown, Anthony G. (MD)
4601	MCN			Aircraft Prototyping Facility Phase III	Patuxent River Naval Air Station	Patuxent River, MD	\$1,500	Hoyer, Steny H. (MD)
4601	MCN			Advanced Prototype Facility, Phase 3	Naval Air Station Patuxent River	Patuxent River, MD	\$1,500	Brown, Anthony G. (MD)
4601	MCN			Entry Control Point	Naval Air Station - Kingsville	Kingsville, TX	\$2,500	Vela, Filemon (TX)
4601	MCAF			New Entrance Road and Gate Complex--Barksdale Air Force Base, Louisiana	United States Air Force	Bossier City, LA	\$36,000	Johnson, Mike (LA)
4601	MCAF			Military Working Dog Kennel	JB Andrews - Naval Air Facility	Joint Base Andrews, MD	\$7,800	Brown, Anthony G. (MD)
4601	MCAF			Fire Crash Rescue Station	JB Andrews	JB Andrews, MD	\$26,000	Brown, Anthony G. (MD)
4601	MCAF			Child Development Center, Wright Patterson Air Force Base	Air Force Materiel Command, US Air Force	Wright Patterson Air Force Base, OH	\$24,000	Turner, Michael R. (OH)
4601	MCAF			Child Development Center - Lackland Air Force Base	Lackland Air Force Base	San Antonio, TX	\$22,000	Gonzales, Tony (TX)
4601	MCDW			SOF Basic Training Command (P855), Coronado, CA	Naval Amphibious Base Coronado	San Diego, CA	\$20,500	Peters, Scott H. (CA)
4601	MCARNG			National Guard Readiness Center	Joint Base Elmendorf Richardson	Joint Base Elmendorf Richardson (JBER), AK	\$5,000	Young, Don (AK)
4601	MCARNG			281703 Maneuver Area Training Equipment Site (MATES) Project	Mississippi Army National Guard	Camp Shelby, MS	\$15,500	Palazzo, Steven M. (MS)
4601	MCARNG			Planning & Design Funding for Virginia Army National Guard Army Aviation Support Facility Relocation. "Aircraft Maintenance Hangar-Sandston, Virginia"	Aircraft Maintenance Hangar- Sandston, Virginia	Sandston, VA	\$5,805	McEachin, A. Donald (VA)
4601	MCANG			Replace Fuel Cell/Corrosion Control Hangar	Delaware National Guard	New Castle, DE	\$17,500	Blunt Rochester, Lisa (DE)
4601	MCANG			183d Wing, Civil Engineering Facility	183d Wing, Abraham Capital Airport, IL ANG	Springfield, IL	\$10,200	Underwood, Lauren (IL)
4601	MCANG			DCFT059018 - Construct Base Civil Engineer Complex	183d Wing, Illinois Air National Guard	Springfield, IL	\$10,200	LaHood, Darin (IL)

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<b>TITLE</b>	<b>ACCOUNT</b>	<b>PE</b>	<b>LINE</b>	<b>PROJECT NAME</b>	<b>PROJECT RECIPIENT</b>	<b>PROJECT LOCATION</b>	<b>AMOUNT (Dollars in Thousands)</b>	<b>MEMBER</b>
4601	MCANG			DCFT059018 – Construct Base Civil Engineer Complex	183d Wing, Illinois Air National Guard	Springfield, IL	\$10,200	Davis, Rodney (IL)
4601	MCANG			DCFT 059018 – Construct Base Civil Engineer Complex Abraham Lincoln Capital Airport (ANG), Springfield, Illinois	Illinois National Guard	Springfield, IL	\$10,200	Bustos, Cheri (IL)
4601	MCAFR			Medical Training Facility (BXRH189029)	Idaho Air National Guard	Boise, ID	\$6,500	Simpson, Michael K. (ID)
4601	MCAFR			Youngstown Air Reserve Station – Assault Strip Widening	Youngstown Air Reserve Station	Vienna, OH	\$8,700	Joyce, David P. (OH)
4601	MCAFR			Youngstown Air Reserve Station Assault Strip Widening	Youngstown Air Reserve Station	Vienna, OH	\$8,700	Ryan, Tim (OH)
4601	MCAFR			Camp Garfield Unpaved Assault Runway Construction	Youngstown Air Force Reserve Station	Ravenna, OH	\$8,700	Gonzalez, Anthony (OH)