

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

CHAIRMAN’S MARK

SUMMARY OF BILL LANGUAGE 1

BILL LANGUAGE 40

DIRECTIVE REPORT LANGUAGE..... 474

ADDENDUM: SUMMARY TABLES 498

ADDENDUM: COMMUNITY PROJECT FUNDING ITEMS 503

**NOTE: THE SUMMARY TABLES AND COMMUNITY PROJECT FUNDING ITEMS ARE
FOR INFORMATION ONLY AND WILL BE INCLUDED AS PART OF THE COMMITTEE
REPORT**

SUMMARY OF BILL LANGUAGE

Table Of Contents

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

LEGISLATIVE PROVISIONS

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 101—Authorization of Appropriations

SUBTITLE D—AIR FORCE PROGRAMS

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

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

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

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

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

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

LEGISLATIVE PROVISIONS

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 201—Authorization of Appropriations

SUBTITLE C—PLANS, REPORTS, AND OTHER MATTERS

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

TITLE III—OPERATION AND MAINTENANCE

LEGISLATIVE PROVISIONS

SUBTITLE A—AUTHORIZATION OF APPROPRIATIONS

Section 301—Authorization of Appropriations

SUBTITLE B—ENERGY AND ENVIRONMENT

Section 319—Pilot Program on Use of Sustainable Aviation Fuel

SUBTITLE C—LOGISTICS AND SUSTAINMENT

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

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

LEGISLATIVE PROVISIONS

SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

Section 421—Military Personnel

TITLE V—MILITARY PERSONNEL POLICY

LEGISLATIVE PROVISIONS

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

Section 523—Reform and Improvement of Military Criminal Investigative Organizations

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

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

Section 531—Short Title

Part 1—Special Victim Prosecutors

Section 532—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

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

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

Section 536—Detail of Trial Counsel

Section 537—Preliminary Hearing

Section 538—Advice to Convening Authority Before Referral for Trial

Section 539—Former Jeopardy

Section 539A—Plea Agreements

Section 539B—Determinations of Impracticality of Rehearing

Section 539C—Punitive Article on Sexual Harassment

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

Section 539E—Effective Date

Part 2—Sentencing Reform

Section 539F—Sentencing Reform

Part 3—Reports and Other Matters

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

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

SUBTITLE G—MILITARY FAMILY READINESS AND DEPENDENTS' EDUCATION

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

SUBTITLE H—DIVERSITY AND INCLUSION

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

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

Section 715—Digital Health Strategy of Department of Defense
Section 716—Development and Update of Certain Policies Relating to Military Health System and Integrated Medical Operations

SUBTITLE C—REPORTS AND OTHER MATTERS

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

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

LEGISLATIVE PROVISIONS

SUBTITLE A—ACQUISITION POLICY AND MANAGEMENT

Section 801—Acquisition Workforce Educational Partnerships
Section 802—Website for Certain Domestic Procurement Waivers
Section 803—Diversity and Inclusion Reporting Requirements for Covered Contractors
Section 804—Suspension or Debarment Referral for Egregious Violations of Certain Domestic Preference Laws

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

Section 811—Modifications to Contracts Subject to Cost or Pricing Data Certification
Section 813—Repeal of Preference for Fixed-Price Contracts
Section 815—Other Transaction Authority Information Accessibility

SUBTITLE C—INDUSTRIAL BASE MATTERS

Section 823—Modifications to Printed Circuit Board Acquisition Restrictions

SUBTITLE D—OTHER MATTERS

Section 831—Mission Management Pilot Program
Section 832—Pilot Program to Determine the Cost Competitiveness of Drop-In Fuels

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

TITLE X—GENERAL PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—FINANCIAL MATTERS

Section 1001—General Transfer Authority
Section 1002—Determination of Budgetary Effects

SUBTITLE B—NAVAL VESSELS

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

SUBTITLE C—COUNTERTERRORISM

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

SUBTITLE D—MISCELLANEOUS AUTHORITIES AND LIMITATIONS

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

SUBTITLE E—STUDIES AND REPORTS

Section 1051—Congressional Oversight of Alternative Compensatory Control Measures

Section 1052—Comparative Testing Reports for Certain Aircraft

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

Section 1054—Continuation of Certain Department of Defense Reporting Requirements

SUBTITLE F—DISTRICT OF COLUMBIA NATIONAL GUARD HOME RULE

Section 1071—Short Title

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

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

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

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

SUBTITLE G—OTHER MATTERS

Section 1081—Technical, Conforming, and Clerical Amendments

TITLE XI—CIVILIAN PERSONNEL MATTERS

LEGISLATIVE PROVISIONS

Section 1104—Civilian Personnel Management

Section 1107—Guidelines for Reductions in Civilian Positions

Section 1108—Repeal of 2-Year Probationary Period

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

Section 1212—Afghanistan Security Forces Fund

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

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

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

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

SUBTITLE D—MATTERS RELATING TO RUSSIA

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

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

Section 1233—Modification and Extension of Ukraine Security Assistance Initiative

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

SUBTITLE E—MATTERS RELATING TO THE INDO-PACIFIC REGION

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

Section 1242—Sense of Congress on Taiwan Defense Relations

Section 1243—Report 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

Section 1245—Report on Efforts by the People's Republic of China 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

Section 1302—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

SUBTITLE B—SECURITY COOPERATION AND ASSISTANCE

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

Section 1312—Foreign Area Officer Assessment and Review

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

TITLE XIV—OTHER AUTHORIZATIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—MILITARY PROGRAMS

Section 1401—Working Capital Funds

- Section 1402—Chemical Agents and Munitions Destruction, Defense
- Section 1403—Drug Interdiction and Counter-Drug Activities, Defense-Wide
- Section 1404—Defense Inspector General
- Section 1405—Defense Health Program

TITLE XV—CYBERSPACE-RELATED MATTERS

LEGISLATIVE PROVISIONS

SUBTITLE A—CYBER THREATS

- Section 1501—Cyber Threat Information Collaboration Environment
- Section 1502—Enterprise-Wide Procurement of Commercial Cyber Threat Information Products

SUBTITLE B—CYBER SYSTEMS AND OPERATIONS

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

SUBTITLE C—CYBER WEAPONS

- Section 1521—Notification Requirements regarding Cyber Weapons
- Section 1522—Cybersecurity of Weapon Systems

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

LEGISLATIVE PROVISIONS

SUBTITLE A—SPACE ACTIVITIES

- Section 1601—Improvements to Tactically Responsive Space Launch Program
- Section 1602—National Security Space Launch Program
- Section 1603—Classification Review of Programs of the Space Force
- Section 1605—Norms of Behavior for International Rules-Based Order in Space

SUBTITLE C—NUCLEAR FORCES

- Section 1623—Review of Safety, Security, and Reliability of Nuclear Weapons and Related Systems
- Section 1624—Review of Engineering and Manufacturing Development Contract for Ground-Based Strategic Deterrent Program
- Section 1625—Long-Range Standoff Weapon

SUBTITLE D—MISSILE DEFENSE PROGRAMS

- Section 1633—Missile Defense Radar in Hawaii

SUBTITLE E—OTHER MATTERS

- Section 1641—Cooperative Threat Reduction Funds

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

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

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

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

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

Section 3102—Defense Environmental Cleanup

Section 3103—Other Defense Activities

Section 3104—Nuclear Energy

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

Section 3112—Modifications to Certain Reporting Requirements

Section 3113—Plutonium Pit Production Capacity

Section 3114—Report on Runit Dome and Related Hazards

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

LEGISLATIVE PROVISIONS

Section 3201—Authorization

TITLE XXXV—MARITIME ADMINISTRATION

LEGISLATIVE PROVISIONS

SUBTITLE B—OTHER MATTERS

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

DIVISION D—FUNDING TABLES

Section 4001—Authorization of Amounts in Funding Tables

DIVISION E—NON-DEPARTMENT OF DEFENSE MATTERS

TITLE LI—FINANCIAL SERVICE MATTERS

Section 5101—Enhanced Protection against Debt Collector Harassment of Servicemembers

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

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

Section 5104—Adverse Information in Cases of Trafficking

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

TITLE LX—OTHER MATTERS

Section 6002—Property Disposition for Affordable Housing

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

LEGISLATIVE PROVISIONS

SUBTITLE C—AUTHORIZATION OF APPROPRIATIONS

Section 421—Military Personnel

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

LEGISLATIVE PROVISIONS

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 congres-

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)”;

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 ered 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 **FECTS.**

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 reported 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 **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.**

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
AIRCRAFT PROCUREMENT, ARMY			
FIXED WING			
001	UTILITY F/W AIRCRAFT		6,000
	Avionics upgrade		[6,000]
004	SMALL UNMANNED AIRCRAFT SYSTEM	16,005	16,005
ROTARY			
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]
MODIFICATION OF AIRCRAFT			
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
GROUND SUPPORT AVIONICS			
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
OTHER SUPPORT			
038	COMMON GROUND EQUIPMENT	13,561	13,561
039	AIRCREW INTEGRATED SYSTEMS	41,425	41,425
040	AIR TRAFFIC CONTROL	21,759	21,759
	TOTAL AIRCRAFT PROCUREMENT, ARMY	2,806,452	2,936,431
MISSILE PROCUREMENT, ARMY			
SURFACE-TO-AIR MISSILE SYSTEM			
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]
AIR-TO-SURFACE MISSILE SYSTEM			
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]
ANTI-TANK/ASSAULT MISSILE SYS			
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]

SEC. 4101. PROCUREMENT (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
	MODIFICATIONS		
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
	SPARES AND REPAIR PARTS		
025	SPARES AND REPAIR PARTS	5,019	5,019
	SUPPORT EQUIPMENT & FACILITIES		
026	AIR DEFENSE TARGETS	10,618	10,618
	TOTAL MISSILE PROCUREMENT, ARMY	3,556,251	3,502,251
	PROCUREMENT OF W&TCV, ARMY		
	TRACKED COMBAT VEHICLES		
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
	MODIFICATION OF TRACKED COMBAT VEHICLES		
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
	WEAPONS & OTHER COMBAT VEHICLES		
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
	MOD OF WEAPONS AND OTHER COMBAT VEH		
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
	SUPPORT EQUIPMENT & FACILITIES		
036	ITEMS LESS THAN \$5.0M (WOCV-WTCV)	1,068	1,068
037	PRODUCTION BASE SUPPORT (WOCV-WTCV)	90,819	90,819
	TOTAL PROCUREMENT OF W&TCV, ARMY	3,875,893	4,178,271
	PROCUREMENT OF AMMUNITION, ARMY		
	SMALL/MEDIUM CAL AMMUNITION		
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
	MORTAR AMMUNITION		
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
	TANK AMMUNITION		
013	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES	224,503	218,503
	Early to need		[-6,000]
	ARTILLERY AMMUNITION		
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]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
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
MINES			
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]
ROCKETS			
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]
OTHER AMMUNITION			
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
MISCELLANEOUS			
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
PRODUCTION BASE SUPPORT			
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
	TOTAL PROCUREMENT OF AMMUNITION, ARMY	2,158,110	2,275,663
OTHER PROCUREMENT, ARMY			
TACTICAL VEHICLES			
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
NON-TACTICAL VEHICLES			
020	PASSENGER CARRYING VEHICLES	1,232	1,232
021	NONTACTICAL VEHICLES, OTHER	24,246	19,246
	Excess carryover		[-5,000]
COMM—JOINT COMMUNICATIONS			
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
COMM—SATELLITE COMMUNICATIONS			
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
COMM—C3 SYSTEM			
037	COE TACTICAL SERVER INFRASTRUCTURE (TSD)	99,858	99,858
COMM—COMBAT COMMUNICATIONS			
038	HANDHELD MANPACK SMALL FORM FIT (HMS)	775,069	730,069

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	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]
COMM—INTELLIGENCE COMM			
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
INFORMATION SECURITY			
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
COMM—LONG HAUL COMMUNICATIONS			
059	BASE SUPPORT COMMUNICATIONS	9,209	9,209
COMM—BASE COMMUNICATIONS			
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
ELECT EQUIP—TACT INT REL ACT (TIARA)			
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
ELECT EQUIP—ELECTRONIC WARFARE (EW)			
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
ELECT EQUIP—TACTICAL SURV. (TAC SURV)			
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]
ELECT EQUIP—TACTICAL C2 SYSTEMS			
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]
ELECT EQUIP—AUTOMATION			
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

SEC. 4101. PROCUREMENT (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
	ELECT EQUIP—SUPPORT		
117	BCT EMERGING TECHNOLOGIES	13,835	13,835
	CLASSIFIED PROGRAMS		
117A	CLASSIFIED PROGRAMS	18,304	18,304
	CHEMICAL DEFENSIVE EQUIPMENT		
119	BASE DEFENSE SYSTEMS (BDS)	62,295	62,295
120	CBRN DEFENSE	55,632	55,632
	BRIDGING EQUIPMENT		
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]
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
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
	COMBAT SERVICE SUPPORT EQUIPMENT		
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
	PETROLEUM EQUIPMENT		
144	QUALITY SURVEILLANCE EQUIPMENT	744	744
145	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	72,296	61,237
	Excess to need		[-11,059]
	MEDICAL EQUIPMENT		
146	COMBAT SUPPORT MEDICAL	122,145	122,145
	MAINTENANCE EQUIPMENT		
147	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	14,756	12,856
	Excess carryover		[-1,900]
	CONSTRUCTION EQUIPMENT		
154	ALL TERRAIN CRANES	112,784	107,784
	Cost savings		[-5,000]
156	CONST EQUIP ESP	8,694	8,694
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
158	ARMY WATERCRAFT ESP	44,409	44,409
159	MANEUVER SUPPORT VESSEL (MSV)	76,660	76,660
	GENERATORS		
161	GENERATORS AND ASSOCIATED EQUIP	47,606	47,606
162	TACTICAL ELECTRIC POWER RECAPITALIZATION	10,500	10,500
	MATERIAL HANDLING EQUIPMENT		
163	FAMILY OF FORKLIFTS	13,325	13,325
	TRAINING EQUIPMENT		
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]
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
170	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	42,934	42,934
172	TEST EQUIPMENT MODERNIZATION (TEMOD)	24,304	24,304
	OTHER SUPPORT EQUIPMENT		
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]
	OPA2		
180	INITIAL SPARES—C&E	9,272	9,272
	TOTAL OTHER PROCUREMENT, ARMY	8,873,558	8,535,649

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
AIRCRAFT PROCUREMENT, NAVY			
COMBAT AIRCRAFT			
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
TRAINER AIRCRAFT			
016	ADVANCED HELICOPTER TRAINING SYSTEM	163,490	163,490
OTHER AIRCRAFT			
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
MODIFICATION OF AIRCRAFT			
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

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
AIRCRAFT SPARES AND REPAIR PARTS			
072	SPARES AND REPAIR PARTS	2,339,077	2,339,077
AIRCRAFT SUPPORT EQUIP & FACILITIES			
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
	TOTAL AIRCRAFT PROCUREMENT, NAVY	16,477,178	18,029,213
WEAPONS PROCUREMENT, NAVY			
MODIFICATION OF MISSILES			
001	TRIDENT II MODS	1,144,446	1,144,446
SUPPORT EQUIPMENT & FACILITIES			
002	MISSILE INDUSTRIAL FACILITIES	7,319	7,319
STRATEGIC MISSILES			
003	TOMAHAWK	124,513	124,513
TACTICAL MISSILES			
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
MODIFICATION OF MISSILES			
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
SUPPORT EQUIPMENT & FACILITIES			
023	WEAPONS INDUSTRIAL FACILITIES	1,819	1,819
ORDNANCE SUPPORT EQUIPMENT			
026	ORDNANCE SUPPORT EQUIPMENT	191,905	191,905
TORPEDOES AND RELATED EQUIP			
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
MOD OF TORPEDOES AND RELATED EQUIP			
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
SUPPORT EQUIPMENT			
033	TORPEDO SUPPORT EQUIPMENT	93,400	93,400
034	ASW RANGE SUPPORT	3,997	3,997
DESTINATION TRANSPORTATION			
035	FIRST DESTINATION TRANSPORTATION	4,023	4,023
GUNS AND GUN MOUNTS			
036	SMALL ARMS AND WEAPONS	14,909	14,909
MODIFICATION OF GUNS AND GUN MOUNTS			
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
SPARES AND REPAIR PARTS			
043	SPARES AND REPAIR PARTS	162,382	162,382
	TOTAL WEAPONS PROCUREMENT, NAVY	4,220,705	4,079,605
PROCUREMENT OF AMMO, NAVY & MC			
NAVY AMMUNITION			
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

SEC. 4101. PROCUREMENT (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
	MARINE CORPS AMMUNITION		
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
	TOTAL PROCUREMENT OF AMMO, NAVY & MC	988,018	977,518
	SHIPBUILDING AND CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
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]
	OTHER WARSHIPS		
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
	AMPHIBIOUS SHIPS		
015	LPD FLIGHT II	60,636	60,636
019	LHA REPLACEMENT	68,637	68,637
	AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST		
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
	TOTAL SHIPBUILDING AND CONVERSION, NAVY	22,571,059	23,682,359
	OTHER PROCUREMENT, NAVY		
	SHIP PROPULSION EQUIPMENT		
001	SURFACE POWER EQUIPMENT	41,414	41,414
	GENERATORS		
002	SURFACE COMBATANT HM&E	83,746	83,746
	NAVIGATION EQUIPMENT		
003	OTHER NAVIGATION EQUIPMENT	72,300	72,300
	OTHER SHIPBOARD EQUIPMENT		
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

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
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
	REACTOR PLANT EQUIPMENT		
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
	OCEAN ENGINEERING		
028	DIVING AND SALVAGE EQUIPMENT	10,772	10,772
	SMALL BOATS		
029	STANDARD BOATS	58,770	58,770
	PRODUCTION FACILITIES EQUIPMENT		
030	OPERATING FORCES IPE	168,822	168,822
	OTHER SHIP SUPPORT		
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
	SHIP SONARS		
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
	ASW ELECTRONIC EQUIPMENT		
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
	ELECTRONIC WARFARE EQUIPMENT		
046	AN/SLQ-32	370,559	314,059
	Block 3 Kit early to need		[-56,500]
	RECONNAISSANCE EQUIPMENT		
047	SHIPBOARD IW EXPLOIT	261,735	261,735
048	AUTOMATED IDENTIFICATION SYSTEM (AIS)	3,777	3,777
	OTHER SHIP ELECTRONIC EQUIPMENT		
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
	AVIATION ELECTRONIC EQUIPMENT		
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
	OTHER SHORE ELECTRONIC EQUIPMENT		
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
	SHIPBOARD COMMUNICATIONS		
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
	SUBMARINE COMMUNICATIONS		

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
	SATELLITE COMMUNICATIONS		
079	SATELLITE COMMUNICATIONS SYSTEMS	38,636	38,636
080	NAVY MULTIBAND TERMINAL (NMT)	34,723	34,723
	SHORE COMMUNICATIONS		
081	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	2,651	2,651
	CRYPTOGRAPHIC EQUIPMENT		
082	INFO SYSTEMS SECURITY PROGRAM (ISSP)	146,879	146,879
083	MIO INTEL EXPLOITATION TEAM	977	977
	CRYPTOLOGIC EQUIPMENT		
084	CRYPTOLOGIC COMMUNICATIONS EQUIP	17,809	17,809
	OTHER ELECTRONIC SUPPORT		
092	COAST GUARD EQUIPMENT	63,214	63,214
	SONOBUOYS		
094	SONOBUOYS—ALL TYPES	249,121	303,521
	Navy UPL		[54,400]
	AIRCRAFT SUPPORT EQUIPMENT		
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
	SHIP GUN SYSTEM EQUIPMENT		
104	SHIP GUN SYSTEMS EQUIPMENT	5,536	5,536
	SHIP MISSILE SYSTEMS EQUIPMENT		
105	HARPOON SUPPORT EQUIPMENT	204	204
106	SHIP MISSILE SUPPORT EQUIPMENT	237,987	237,987
107	TOMAHAWK SUPPORT EQUIPMENT	88,726	88,726
	FBM SUPPORT EQUIPMENT		
108	STRATEGIC MISSILE SYSTEMS EQUIP	281,259	281,259
	ASW SUPPORT EQUIPMENT		
109	SSN COMBAT CONTROL SYSTEMS	143,289	143,289
110	ASW SUPPORT EQUIPMENT	30,595	30,595
	OTHER ORDNANCE SUPPORT EQUIPMENT		
111	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	1,721	1,721
112	ITEMS LESS THAN \$5 MILLION	8,746	8,746
	OTHER EXPENDABLE ORDNANCE		
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
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
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
	SUPPLY SUPPORT EQUIPMENT		
124	SUPPLY EQUIPMENT	24,698	24,698
125	FIRST DESTINATION TRANSPORTATION	5,385	5,385
126	SPECIAL PURPOSE SUPPLY SYSTEMS	660,750	660,750
	TRAINING DEVICES		
127	TRAINING SUPPORT EQUIPMENT	3,465	3,465
128	TRAINING AND EDUCATION EQUIPMENT	60,114	60,114
	COMMAND SUPPORT EQUIPMENT		
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
	OTHER		
141	NEXT GENERATION ENTERPRISE SERVICE	41	41
142	CYBERSPACE ACTIVITIES	12,859	12,859
	CLASSIFIED PROGRAMS		
142A	CLASSIFIED PROGRAMS	19,808	19,808

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
SPARES AND REPAIR PARTS			
143	SPARES AND REPAIR PARTS	424,405	424,405
	TOTAL OTHER PROCUREMENT, NAVY	10,875,912	10,841,802
PROCUREMENT, MARINE CORPS			
TRACKED COMBAT VEHICLES			
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
ARTILLERY AND OTHER WEAPONS			
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
GUIDED MISSILES			
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
COMMAND AND CONTROL SYSTEMS			
013	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C	18,247	18,247
REPAIR AND TEST EQUIPMENT			
014	REPAIR AND TEST EQUIPMENT	33,554	33,554
OTHER SUPPORT (TEL)			
015	MODIFICATION KITS	167	167
COMMAND AND CONTROL SYSTEM (NON-TEL)			
016	ITEMS UNDER \$5 MILLION (COMM & ELEC)	64,879	64,879
017	AIR OPERATIONS C2 SYSTEMS	1,291	1,291
RADAR + EQUIPMENT (NON-TEL)			
019	GROUND/AIR TASK ORIENTED RADAR (G/ATOR)	297,369	297,369
INTELL/COMM EQUIPMENT (NON-TEL)			
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
OTHER SUPPORT (NON-TEL)			
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
CLASSIFIED PROGRAMS			
037A	CLASSIFIED PROGRAMS	4,034	4,034
ADMINISTRATIVE VEHICLES			
038	COMMERCIAL CARGO VEHICLES	17,848	17,848
TACTICAL VEHICLES			
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
ENGINEER AND OTHER EQUIPMENT			
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
MATERIALS HANDLING EQUIPMENT			
048	PHYSICAL SECURITY EQUIPMENT	84,513	84,513
GENERAL PROPERTY			
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
OTHER SUPPORT			
053	ITEMS LESS THAN \$5 MILLION	4,402	4,402

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
SPARES AND REPAIR PARTS			
054	SPARES AND REPAIR PARTS	32,819	32,819
	TOTAL PROCUREMENT, MARINE CORPS	3,043,091	3,120,891
AIRCRAFT PROCUREMENT, AIR FORCE			
STRATEGIC OFFENSIVE			
001	B-21 RAIDER	108,027	108,027
TACTICAL FORCES			
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
TACTICAL AIRLIFT			
007	KC-46A MDAP	2,380,315	2,275,315
	Excess growth		[-105,000]
OTHER AIRLIFT			
008	C-130J	128,896	128,896
009	MC-130J	220,049	220,049
UPT TRAINERS			
011	ADVANCED TRAINER REPLACEMENT T-X	10,397	10,397
HELICOPTERS			
013	COMBAT RESCUE HELICOPTER	792,221	792,221
MISSION SUPPORT AIRCRAFT			
016	CIVIL AIR PATROL A/C	2,813	11,413
	Recapitalization rate increase		[8,600]
OTHER AIRCRAFT			
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]
STRATEGIC AIRCRAFT			
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
TACTICAL AIRCRAFT			
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
AIRLIFT AIRCRAFT			
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
TRAINER AIRCRAFT			
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
OTHER AIRCRAFT			
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

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
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]
	AIRCRAFT SPARES AND REPAIR PARTS		
071	INITIAL SPARES/REPAIR PARTS	923,573	923,573
	COMMON SUPPORT EQUIPMENT		
072	AIRCRAFT REPLACEMENT SUPPORT EQUIP	138,761	138,761
	POST PRODUCTION SUPPORT		
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
	INDUSTRIAL PREPAREDNESS		
082	INDUSTRIAL RESPONSIVENESS	18,110	18,110
	WAR CONSUMABLES		
083	WAR CONSUMABLES	35,866	35,866
	OTHER PRODUCTION CHARGES		
084	OTHER PRODUCTION CHARGES	979,388	979,388
	CLASSIFIED PROGRAMS		
086A	CLASSIFIED PROGRAMS	18,092	18,092
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	15,727,669	17,156,399
	MISSILE PROCUREMENT, AIR FORCE		
	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC		
001	MISSILE REPLACEMENT EQ-BALLISTIC	57,793	57,793
	BALLISTIC MISSILES		
002	GROUND BASED STRATEGIC DETERRENT	10,895	10,895
	TACTICAL		
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
	INDUSTRIAL FACILITIES		
013	INDUSTRL PREPAREDNS/POL PREVENTION	757	757
	CLASS IV		
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
	MISSILE SPARES AND REPAIR PARTS		
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
	SPECIAL PROGRAMS		
027	SPECIAL UPDATE PROGRAMS	30,352	30,352
	CLASSIFIED PROGRAMS		
027A	CLASSIFIED PROGRAMS	570,240	570,240
	TOTAL MISSILE PROCUREMENT, AIR FORCE	2,669,811	2,619,811
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	ROCKETS		
001	ROCKETS	36,597	36,597
	CARTRIDGES		
002	CARTRIDGES	169,163	164,163
	Excess to need		[-5,000]

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
BOMBS			
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
OTHER ITEMS			
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
FLARES			
013	FLARES	95,297	95,297
FUZES			
014	FUZES	50,795	50,795
SMALL ARMS			
015	SMALL ARMS	12,343	12,343
TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE		795,168	790,168
PROCUREMENT, SPACE FORCE			
SPACE PROCUREMENT, SF			
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
SPARES			
022	SPARES AND REPAIR PARTS	1,282	1,282
TOTAL PROCUREMENT, SPACE FORCE		2,766,854	2,766,854
OTHER PROCUREMENT, AIR FORCE			
PASSENGER CARRYING VEHICLES			
001	PASSENGER CARRYING VEHICLES	8,448	8,448
CARGO AND UTILITY VEHICLES			
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]
SPECIAL PURPOSE VEHICLES			
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
FIRE FIGHTING EQUIPMENT			
008	FIRE FIGHTING/CRASH RESCUE VEHICLES	12,525	12,525
MATERIALS HANDLING EQUIPMENT			
009	MATERIALS HANDLING VEHICLES	34,933	34,933
BASE MAINTENANCE SUPPORT			
010	RUNWAY SNOW REMOV AND CLEANING EQU	9,134	9,134
011	BASE MAINTENANCE SUPPORT VEHICLES	111,820	107,013
	Insufficient justification		[-4,807]
COMM SECURITY EQUIPMENT(COMSEC)			
013	COMSEC EQUIPMENT	66,022	66,022
014	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM	885,051	885,051
INTELLIGENCE PROGRAMS			
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
ELECTRONICS PROGRAMS			
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

SEC. 4101. PROCUREMENT (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
	SPCL COMM-ELECTRONICS PROJECTS		
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
	AIR FORCE COMMUNICATIONS		
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
	ORGANIZATION AND BASE		
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]
	MODIFICATIONS		
052	COMM ELECT MODS	18,607	18,607
	PERSONAL SAFETY & RESCUE EQUIP		
053	PERSONAL SAFETY AND RESCUE EQUIPMENT	106,449	106,449
	DEPOT PLANT+MTRLS HANDLING EQ		
054	POWER CONDITIONING EQUIPMENT	11,274	11,274
055	MECHANIZED MATERIAL HANDLING EQUIP	8,594	8,594
	BASE SUPPORT EQUIPMENT		
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
	SPECIAL SUPPORT PROJECTS		
062	DARP RC135	27,359	27,359
063	DCGS-AF	261,070	261,070
065	SPECIAL UPDATE PROGRAM	777,652	777,652
	CLASSIFIED PROGRAMS		
065A	CLASSIFIED PROGRAMS	20,983,908	21,033,908
	Program Increase		[50,000]
	SPARES AND REPAIR PARTS		
066	SPARES AND REPAIR PARTS (CYBER)	978	978
067	SPARES AND REPAIR PARTS	9,575	9,575
	TOTAL OTHER PROCUREMENT, AIR FORCE	25,251,137	25,252,064
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT, SDA		
024	MAJOR EQUIPMENT, DPAA	494	494
047	MAJOR EQUIPMENT, OSD	31,420	31,420
048	JOINT CAPABILITY TECH DEMONSTRATION (JCTD)	74,060	74,060
	MAJOR EQUIPMENT, NSA		
046	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	315	315
	MAJOR EQUIPMENT, DISA		
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]
	MAJOR EQUIPMENT, DLA		
021	MAJOR EQUIPMENT	530,896	510,896
	Excess growth		[-20,000]
	MAJOR EQUIPMENT, DCSA		
002	MAJOR EQUIPMENT	3,014	3,014
	MAJOR EQUIPMENT, TJS		
049	MAJOR EQUIPMENT, TJS	7,830	7,830
	MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY		
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
	MAJOR EQUIPMENT, DHRA		
004	PERSONNEL ADMINISTRATION	4,042	4,042
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
026	VEHICLES	118	118
027	OTHER MAJOR EQUIPMENT	12,681	12,681
	MAJOR EQUIPMENT, DODEA		
023	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	2,963	2,963
	MAJOR EQUIPMENT, DMACT		
022	MAJOR EQUIPMENT	8,498	8,498
	CLASSIFIED PROGRAMS		
051A	CLASSIFIED PROGRAMS	635,338	635,338
	AVIATION PROGRAMS		
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
	SHIPBUILDING		
066	UNDERWATER SYSTEMS	17,227	17,227
	AMMUNITION PROGRAMS		
067	ORDNANCE ITEMS <\$5M	168,072	168,072
	OTHER PROCUREMENT PROGRAMS		
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
	CBDP		
079	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	167,918	167,918
080	CB PROTECTION & HAZARD MITIGATION	189,265	189,265
	TOTAL PROCUREMENT, DEFENSE-WIDE	5,548,212	5,496,212
	NATIONAL GUARD AND RESERVE EQUIPMENT		
	UNDISTRIBUTED		
007	UNDISTRIBUTED		100,000
	Program increase		[100,000]
	TOTAL NATIONAL GUARD AND RESERVE EQUIPMENT		100,000
	TOTAL PROCUREMENT	132,205,078	136,341,161

18



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
RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY				
BASIC RESEARCH				
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
		SUBTOTAL BASIC RESEARCH	473,475	483,475
APPLIED RESEARCH				
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]
		SUBTOTAL APPLIED RESEARCH	914,288	1,045,088

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
ADVANCED TECHNOLOGY DEVELOPMENT				
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
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	1,297,437	1,352,937
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

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
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	3,806,330	3,710,230
		SYSTEM DEVELOPMENT & DEMONSTRATION		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
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
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	3,392,358	3,429,958
		MANAGEMENT SUPPORT		
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
		SUBTOTAL MANAGEMENT SUPPORT	1,416,698	1,442,184
		OPERATIONAL SYSTEMS DEVELOPMENT		
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]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	House Authorized
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
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	1,380,248	1,465,103
		SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS		
237	0608041A	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT.	118,811	118,811
		SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.	118,811	118,811
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, ARMY.	12,799,645	13,047,786
		RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY		
		BASIC RESEARCH		
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]
		SUBTOTAL BASIC RESEARCH	601,869	623,854
		APPLIED RESEARCH		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	House Authorized
SUBTOTAL APPLIED RESEARCH			975,915	1,048,915
ADVANCED TECHNOLOGY DEVELOPMENT				
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]
SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.			777,788	792,788
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
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
(In Thousands of Dollars)

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
		SUBTOTAL ADVANCED COMPONENT DEVELOP- MENT & PROTOTYPES.	7,077,987	7,044,787
		SYSTEM DEVELOPMENT & DEMONSTRATION		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

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
		SUBTOTAL SYSTEM DEVELOPMENT & DEM- ONSTRATION.	5,910,089	5,829,399
		MANAGEMENT SUPPORT		
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
		SUBTOTAL MANAGEMENT SUPPORT	998,686	995,686
		OPERATIONAL SYSTEMS DEVELOPMENT		
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]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
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
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOP- MENT.	5,313,319	5,241,519
		SOFTWARE AND DIGITAL TECHNOLOGY PILOT PRO- GRAMS		
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
		SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.	983,709	983,709
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, NAVY.	22,639,362	22,560,657
		RESEARCH, DEVELOPMENT, TEST & EVAL, AF BASIC RESEARCH		
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]
		SUBTOTAL BASIC RESEARCH	490,706	502,206

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
APPLIED RESEARCH				
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]
		SUBTOTAL APPLIED RESEARCH	1,312,490	1,350,690
ADVANCED TECHNOLOGY DEVELOPMENT				
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
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	733,986	768,986
ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES				
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
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	8,937,224	9,085,224
		SYSTEM DEVELOPMENT & DEMONSTRATION		
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
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	2,570,315	2,423,047
		MANAGEMENT SUPPORT		
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
		SUBTOTAL MANAGEMENT SUPPORT	3,015,788	3,035,788

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
OPERATIONAL SYSTEMS DEVELOPMENT				
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
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 Education 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 ARCHITECTURES.	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 DEVELOPMENT.	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]
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	21,705,541	21,312,137
		SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS		
317	0608158F	STRATEGIC MISSION PLANNING AND EXECUTION SYSTEM—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
		SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.	418,278	418,278
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, AF.	39,184,328	38,896,356
		RDTE, SPACE FORCE APPLIED RESEARCH		
001	1206601SF	SPACE TECHNOLOGY	175,796	230,796
		Hybrid Space Architecture		[20,000]

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
Line	Program Element	Item	FY 2022 Request	House Authorized
		Space Power and Collection Technology		[35,000]
		SUBTOTAL APPLIED RESEARCH	175,796	230,796
		ADVANCED TECHNOLOGY DEVELOPMENT		
002	1206616SF	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO	76,653	76,653
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT	76,653	76,653
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
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]
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	1,579,433	1,565,333
		SYSTEM DEVELOPMENT & DEMONSTRATION		
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]
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION	3,339,325	3,389,325
		MANAGEMENT SUPPORT		
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
		SUBTOTAL MANAGEMENT SUPPORT	355,642	419,642
		OPERATIONAL SYSTEM DEVELOPMENT		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)				
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
		SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT	5,585,009	5,607,009
		SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS		
054	1203614SF	JSPOC MISSION SYSTEM	154,529	154,529
		SUBTOTAL SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS.	154,529	154,529
		TOTAL RDTE, SPACE FORCE	11,266,387	11,443,287
		RESEARCH, DEVELOPMENT, TEST & EVAL, DW BASIC RESEARCH		
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
		SUBTOTAL BASIC RESEARCH	716,884	817,195
		APPLIED RESEARCH		
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]
		SUBTOTAL APPLIED RESEARCH	2,130,395	2,190,395
		ADVANCED TECHNOLOGY DEVELOPMENT		
026	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY	23,213	23,213

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

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
		SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.	4,007,596	4,332,626
		ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION
(In Thousands of Dollars)

Line	Program Element	Item	FY 2022 Request	House Authorized
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	HYPERSONIC 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
		SUBTOTAL ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES.	9,854,341	9,885,811
		SYSTEM DEVELOPMENT & DEMONSTRATION		
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

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION (In Thousands of Dollars)					
Line	Program Element	Item	FY 2022 Request	House Authorized	
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	
		SUBTOTAL SYSTEM DEVELOPMENT & DEMONSTRATION.	548,687	548,687	
		MANAGEMENT SUPPORT			
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. Transition education for DEPSCoR and underserved communities	3,639	8,639	[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	
		SUBTOTAL MANAGEMENT SUPPORT	1,383,845	1,596,845	
		OPERATIONAL SYSTEMS DEVELOPMENT			
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 Advanced Shipbuilding Workforce Development	58,189	83,189	[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
		SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.	6,607,385	6,662,385
		SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS		
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]
		SUBTOTAL SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS.	608,742	598,742
		TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW.	25,857,875	26,632,686
		OPERATIONAL TEST & EVAL, DEFENSE MANAGEMENT SUPPORT		
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
		SUBTOTAL MANAGEMENT SUPPORT	216,591	220,591
		TOTAL OPERATIONAL TEST & EVAL, DEFENSE	216,591	220,591
		TOTAL RDT&E	111,964,188	112,801,363



1 **TITLE XLIII—OPERATION AND**
 2 **MAINTENANCE**
 3 **SEC. 4301. OPERATION AND MAINTENANCE.**

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	36,846,243	33,711,809
MOBILIZATION			
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
	SUBTOTAL MOBILIZATION	738,969	770,456
TRAINING AND RECRUITING			
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
	SUBTOTAL TRAINING AND RECRUITING	5,460,503	5,460,503
ADMIN & SRVWIDE ACTIVITIES			
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
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES ...	11,570,682	11,515,082
	TOTAL OPERATION & MAINTENANCE, ARMY	54,616,397	51,457,850
OPERATION & MAINTENANCE, ARMY RES OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	2,872,715	2,872,715
ADMIN & SRVWD ACTIVITIES			
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
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	127,920	127,920
	TOTAL OPERATION & MAINTENANCE, ARMY RES	3,000,635	3,000,635
OPERATION & MAINTENANCE, ARNG OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	7,209,024	7,209,024
	ADMIN & SRVWD ACTIVITIES		
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
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	438,185	438,185
	TOTAL OPERATION & MAINTENANCE, ARNG	7,647,209	7,647,209
	AFGHANISTAN SECURITY FORCES FUND		
	AFGHAN NATIONAL ARMY		
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]
	SUBTOTAL AFGHAN NATIONAL ARMY	1,110,234	0
	AFGHAN NATIONAL POLICE		
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]
	SUBTOTAL AFGHAN NATIONAL POLICE	517,331	0
	AFGHAN AIR FORCE		
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]
	SUBTOTAL AFGHAN AIR FORCE	758,340	0
	AFGHAN SPECIAL SECURITY FORCES		
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]
	SUBTOTAL AFGHAN SPECIAL SECURITY FORCES	941,905	0
	UNDISTRIBUTED		
170	UNDISTRIBUTED		350,000
	Contract close-out and other close-out operations		[350,000]
	SUBTOTAL UNDISTRIBUTED		350,000
	TOTAL AFGHANISTAN SECURITY FORCES FUND	3,327,810	350,000
	COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)		
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
	SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)	522,000	522,000
	TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)	522,000	522,000
	OPERATION & MAINTENANCE, NAVY OPERATING FORCES		
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 SERV- ICES	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 WAR- FARE	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 SUP- PORT	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
	SUBTOTAL OPERATING FORCES	51,225,390	51,600,390
	MOBILIZATION		
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
	SUBTOTAL MOBILIZATION	1,626,090	1,544,606
	TRAINING AND RECRUITING		
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
	SUBTOTAL TRAINING AND RECRUITING	2,475,842	2,480,142
	ADMIN & SRVWD ACTIVITIES		
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
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	5,113,906	5,086,298
	TOTAL OPERATION & MAINTENANCE, NAVY	60,441,228	60,711,436
	OPERATION & MAINTENANCE, MARINE CORPS OPERATING FORCES		
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
	SUBTOTAL OPERATING FORCES	7,461,885	7,461,885
	TRAINING AND RECRUITING		
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
	SUBTOTAL TRAINING AND RECRUITING	988,280	988,280
	ADMIN & SRVWD ACTIVITIES		
160	SERVICEWIDE TRANSPORTATION	100,475	100,475
170	ADMINISTRATION	410,729	410,729
215	CLASSIFIED PROGRAMS	63,422	63,422
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	574,626	574,626
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	9,024,791	9,024,791
	OPERATION & MAINTENANCE, NAVY RES OPERATING FORCES		
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
	SUBTOTAL OPERATING FORCES	1,131,491	1,131,491
	ADMIN & SRVWD ACTIVITIES		

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
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	17,207	17,207
	TOTAL OPERATION & MAINTENANCE, NAVY RES	1,148,698	1,148,698
	OPERATION & MAINTENANCE, MC RESERVE OPERATING FORCES		
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
	SUBTOTAL OPERATING FORCES	270,994	270,994
	ADMIN & SRVWD ACTIVITIES		
050	ADMINISTRATION	14,056	14,056
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	14,056	14,056
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	285,050	285,050
	OPERATION & MAINTENANCE, AIR FORCE OPERATING FORCES		
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
	SUBTOTAL OPERATING FORCES	42,770,508	42,208,967
	MOBILIZATION		
240	AIRLIFT OPERATIONS	2,422,784	2,422,784
250	MOBILIZATION PREPAREDNESS	667,851	667,851
	SUBTOTAL MOBILIZATION	3,090,635	3,090,635

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
TRAINING AND RECRUITING			
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
	SUBTOTAL TRAINING AND RECRUITING	2,773,062	2,763,832
ADMIN & SRVWD ACTIVITIES			
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
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	5,242,270	5,250,442
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	53,876,475	53,313,876
OPERATION & MAINTENANCE, SPACE FORCE OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	3,283,965	3,283,965
ADMINISTRATION AND SERVICE WIDE ACTIVITIES			
100	ADMINISTRATION	156,747	156,747
	SUBTOTAL ADMINISTRATION AND SERVICE WIDE ACTIVITIES	156,747	156,747
	TOTAL OPERATION & MAINTENANCE, SPACE FORCE	3,440,712	3,440,712
OPERATION & MAINTENANCE, AF RESERVE OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	3,217,032	3,107,032

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
ADMINISTRATION AND SERVICEWIDE ACTIVITIES			
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
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	135,074	135,074
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	3,352,106	3,242,106
OPERATION & MAINTENANCE, ANG OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	6,485,801	6,485,801
ADMINISTRATION AND SERVICE-WIDE ACTIVITIES			
090	ADMINISTRATION	46,455	46,455
100	RECRUITING AND ADVERTISING	41,764	41,764
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	88,219	88,219
	TOTAL OPERATION & MAINTENANCE, ANG	6,574,020	6,574,020
OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES			
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
	SUBTOTAL OPERATING FORCES	10,314,819	10,294,819
TRAINING AND RECRUITING			
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
	SUBTOTAL TRAINING AND RECRUITING	296,181	296,181
ADMIN & SRVWIDE ACTIVITIES			
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
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES ...	34,307,366	34,576,301
	UNDISTRIBUTED		
580	UNDISTRIBUTED		422,055
	Afghanistan withdrawal contingency costs		[250,000]
	FSRM increase for Defense-wide activities		[172,055]
	SUBTOTAL UNDISTRIBUTED		422,055
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	44,918,366	45,589,356
	UKRAINE SECURITY ASSISTANCE		
010	UKRAINE SECURITY ASSISTANCE INITIATIVE		275,000
	Program increase		[25,000]
	Transfer from Defense Security Cooperation Agency		[250,000]
	SUBTOTAL UKRAINE SECURITY ASSISTANCE		275,000
	TOTAL UKRAINE SECURITY ASSISTANCE ...		275,000

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)			
Line	Item	FY 2022 Request	House Authorized
	US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	15,589	15,589
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	15,589	15,589
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	15,589	15,589
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND		
	ACQUISITION WORKFORCE DEVELOPMENT		
010	ACQ WORKFORCE DEV FD	54,679	54,679
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	54,679	54,679
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	54,679	54,679
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID		
	HUMANITARIAN ASSISTANCE		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	110,051	650,051
	Afghan SIV costs		[500,000]
	Program Increase		[40,000]
	SUBTOTAL HUMANITARIAN ASSISTANCE	110,051	650,051
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	110,051	650,051
	COOPERATIVE THREAT REDUCTION ACCOUNT		
010	COOPERATIVE THREAT REDUCTION	239,849	239,849
	SUBTOTAL COOPERATIVE THREAT REDUCTION	239,849	239,849
	TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	239,849	239,849
	ENVIRONMENTAL RESTORATION		
	DEPARTMENT OF THE ARMY		
050	ENVIRONMENTAL RESTORATION, ARMY	200,806	300,806
	Program increase for PFAS		[100,000]
	SUBTOTAL DEPARTMENT OF THE ARMY	200,806	300,806
	DEPARTMENT OF THE NAVY		
060	ENVIRONMENTAL RESTORATION, NAVY	298,250	472,250
	Program increase for PFAS		[174,000]
	SUBTOTAL DEPARTMENT OF THE NAVY	298,250	472,250
	DEPARTMENT OF THE AIR FORCE		
070	ENVIRONMENTAL RESTORATION, AIR FORCE	301,768	476,768
	Program increase for PFAS		[175,000]
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	301,768	476,768
	DEFENSE-WIDE		
080	ENVIRONMENTAL RESTORATION, DEFENSE	8,783	58,783
	Military Munitions Response Program		[50,000]
	SUBTOTAL DEFENSE-WIDE	8,783	58,783
	DEFENSE-WIDE		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	218,580	392,580
	Program increase		[74,000]
	Program increase for PFAS		[100,000]
	SUBTOTAL DEFENSE-WIDE	218,580	392,580

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2022 Request	House Authorized
	TOTAL ENVIRONMENTAL RESTORATION	1,028,187	1,701,187
	TOTAL OPERATION & MAINTENANCE	253,623,852	249,244,094



1 **TITLE XLIV—MILITARY**
2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

SEC. 4401. MILITARY PERSONNEL
(In Thousands of Dollars)

Item	FY 2022 Request	House Authorized
Military Personnel Appropriations	157,947,920	157,447,920
Historical underexecution		[-500,000]
Medicare-Eligible Retiree Health Fund Contributions	9,337,175	9,337,175

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1 **TITLE XLV—OTHER**
 2 **AUTHORIZATIONS**

3 **SEC. 4501. OTHER AUTHORIZATIONS.**

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Item	FY 2022 Request	House Authorized
WORKING CAPITAL FUND, ARMY		
ARMY ARSENALS INITIATIVE	26,935	26,935
ARMY SUPPLY MANAGEMENT	357,776	357,776
TOTAL WORKING CAPITAL FUND, ARMY	384,711	384,711
WORKING CAPITAL FUND, NAVY		
SUPPLY MANAGEMENT—NAVY	150,000	150,000
TOTAL WORKING CAPITAL FUND, NAVY	150,000	150,000
WORKING CAPITAL FUND, AIR FORCE		
SUPPLY MANAGEMENT	77,453	77,453
TOTAL WORKING CAPITAL FUND, AIR FORCE	77,453	77,453
WORKING CAPITAL FUND, DEFENSE-WIDE		
ENERGY MANAGEMENT—DEFENSE	40,000	40,000
SUPPLY CHAIN MANAGEMENT—DEFENSE	87,765	87,765
TOTAL WORKING CAPITAL FUND, DEFENSE- WIDE	127,765	127,765
WORKING CAPITAL FUND, DECA		
COMMISSARY OPERATIONS	1,162,071	1,162,071
TOTAL WORKING CAPITAL FUND, DECA	1,162,071	1,162,071
CHEM AGENTS & MUNITIONS DESTRUCTION		
CHEM DEMILITARIZATION—O&M	93,121	93,121
CHEM DEMILITARIZATION—RDT&E	1,001,231	1,001,231
TOTAL CHEM AGENTS & MUNITIONS DE- STRUCTION	1,094,352	1,094,352
DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF		
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
TOTAL DRUG INTERDICTION & CTR-DRUG ACTIVITIES, DEF	821,908	821,908
OFFICE OF THE INSPECTOR GENERAL		
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
TOTAL OFFICE OF THE INSPECTOR GEN- ERAL	438,363	438,363
DEFENSE HEALTH PROGRAM		
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

SEC. 4501. OTHER AUTHORIZATIONS (In Thousands of Dollars)		
Item	FY 2022 Request	House Authorized
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
TOTAL DEFENSE HEALTH PROGRAM	35,592,407	35,647,907
TOTAL OTHER AUTHORIZATIONS	39,849,030	39,904,530

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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
	Military Construction, Army Total		834,692	1,252,673
	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
	Military Construction, Navy Total		2,368,352	2,408,548
	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
	Military Construction, Air Force Total		2,102,690	2,067,150
	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
Military Construction, Defense-Wide Total			1,957,289	2,154,116
NATO	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program	205,853	205,853
NATO Security Investment Program Total			205,853	205,853
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
Military Construction, Army National Guard Total			257,103	372,208
	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
Military Construction, Army Reserve Total			64,911	147,311
	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
Military Construction, Naval Reserve Total			71,804	70,804
	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
Military Construction, Air National Guard Total			197,770	247,970
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
Military Construction, Air Force Reserve Total			78,374	87,074
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
Family Housing Construction, Army Total			99,849	146,349
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
Family Housing Operation And Maintenance, Army Total			391,227	391,227
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
Family Housing Construction, Navy And Marine Corps Total			77,616	77,616

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2022 Request	House Agreement
	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
Family Housing Operation And Maintenance, Navy And Marine Corps Total.			357,341	357,341
	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
Family Housing Construction, Air Force Total			115,716	115,716
	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
Family Housing Operation And Maintenance, Air Force Total			325,445	325,445
	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
Family Housing Operation And Maintenance, Defense-Wide Total			49,785	49,785
	Worldwide Unspecified			
FHIF	Unspecified Worldwide Locations	Administrative Expenses—FHIF	6,081	6,081
DOD Family Housing Improvement Fund Total			6,081	6,081
	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
Unaccompanied Housing Improvement Fund Total			494	494
BRAC	Worldwide Unspecified Base Realignment & Closure, Army	Base Realignment and Closure	65,301	115,301
Base Realignment and Closure—Army Total			65,301	115,301
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure	111,155	161,155
Base Realignment and Closure—Navy Total			111,155	161,155
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	DOD BRAC Activities—Air Force	104,216	154,216
Base Realignment and Closure—Air Force Total			104,216	154,216
BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Int-4: DLA Activities	3,967	3,967
Base Realignment and Closure—Defense-wide Total			3,967	3,967
Total, Military Construction			9,847,031	10,918,400



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
Discretionary Summary By Appropriation		
Energy And Water Development, And Related Agencies		
Appropriation Summary:		
Energy Programs		
Nuclear Energy	149,800	149,800
Atomic Energy Defense Activities		
National nuclear security administration:		
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
Total, National Nuclear Security Administration	19,743,000	19,844,000
Environmental and other defense activities:		
Defense environmental cleanup	6,841,670	6,841,670
Other defense activities	1,170,000	920,000
Total, Environmental & other defense activities	8,011,670	7,761,670
Total, Atomic Energy Defense Activities	27,754,670	27,605,670
Total, Discretionary Funding	27,904,470	27,755,470
Nuclear Energy		
Idaho site-wide safeguards and security	149,800	149,800
Total, Nuclear Energy	149,800	149,800
Stockpile Management		
Stockpile Major Modernization		
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
Total, Stockpile Major Modernization	2,832,252	2,832,252
Stockpile services		
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
Subtotal, Stockpile Services	1,800,424	1,748,424
Total, Stockpile Management	4,632,676	4,580,676
Weapons Activities		
Production Modernization		
Primary Capability Modernization		
Plutonium Modernization		
Los Alamos Plutonium Modernization		
Los Alamos Plutonium Operations	660,419	660,419
21-D-512 Plutonium Pit Production Project, LANL	350,000	350,000
Subtotal, Los Alamos Plutonium Modernization	1,010,419	1,010,419
Savannah River Plutonium Modernization		
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
Subtotal, Savannah River Plutonium Modernization	603,000	603,000
Enterprise Plutonium Support	107,098	107,098
Total, Plutonium Modernization	1,720,517	1,720,517
High Explosives and Energetics	68,785	68,785
Total, Primary Capability Modernization	1,789,302	1,789,302
Secondary Capability Modernization	488,097	488,097
Tritium and Domestic Uranium Enrichment	489,017	489,017
Non-Nuclear Capability Modernization	144,563	144,563
Total, Production Modernization	2,910,979	2,910,979
 Stockpile Research, Technology, and Engineering		
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
Total, Stockpile Research, Technology, and Engineering	2,680,631	2,766,631
 Infrastructure and Operations		
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
Recapitalization:		
Infrastructure and safety	508,664	508,664
Capability based investments	143,066	143,066
Total, Recapitalization	651,730	651,730
 Construction:		
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
Total, Construction	1,089,352	1,089,352
Total, Infrastructure and operations	3,590,436	3,590,436
 Secure transportation asset		
Operations and equipment	213,704	213,704
Program direction	123,060	123,060
Total, Secure transportation asset	336,764	336,764
 Defense Nuclear Security		
Construction:	824,623	824,623
17-D-710 West end protected area reduction project, Y-12	23,000	23,000
Total, Defense nuclear security	847,623	847,623
Information technology and cybersecurity	406,530	406,530
Legacy contractor pensions	78,656	78,656
Total, Weapons Activities	15,484,295	15,518,295
 Defense Nuclear Nonproliferation		
Defense Nuclear Nonproliferation Programs		
Global material security		
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
Total, Global material security	497,941	497,941

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
Material management and minimization		
Conversion	100,660	100,660
Nuclear material removal	42,100	42,100
Material disposition	200,186	200,186
Total, Material management & minimization	342,946	342,946
Nonproliferation and arms control	184,795	184,795
National Technical Nuclear Forensics R&D	45,000	45,000
Defense nuclear nonproliferation R&D		
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]
Total, Defense nuclear nonproliferation R&D	627,736	676,236
Nonproliferation Construction:		
18-D-150 Surplus Plutonium Disposition Project, SRS	156,000	156,000
Total, Nonproliferation construction	156,000	156,000
Total, Defense Nuclear Nonproliferation Programs	1,854,418	1,902,918
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
Total, Defense Nuclear Nonproliferation	1,934,000	2,001,000
Naval Reactors		
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
Construction:		
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
Total, Construction	389,425	389,425
Program direction	55,579	55,579
Total, Naval Reactors	1,860,705	1,860,705
Federal Salaries And Expenses		
Program direction	464,000	464,000
Total, Office Of The Administrator	464,000	464,000
Defense Environmental Cleanup		
Closure sites:		
Closure sites administration	3,987	3,987
Richland:		
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
Construction:		
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
Total, Construction	36,000	36,000
Total, Hanford site	926,897	926,897
Office of River Protection:		
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
Construction:		
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
Total, Construction	666,000	666,000
ORP Low-level waste offsite disposal	7,000	7,000
Total, Office of River Protection	1,540,642	1,540,642
Idaho National Laboratory:		
Idaho cleanup and waste disposition	358,925	358,925
Idaho excess facilities R&D		
Idaho community and regulatory support	2,658	2,658
Construction:		
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
Total, Construction	8,000	8,000
Total, Idaho National Laboratory	369,583	369,583
NNSA sites and Nevada off-sites		
Lawrence Livermore National Laboratory	1,806	1,806
LLNL Excess Facilities D&D	35,000	35,000
Nuclear facility D & D		
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
Total, NNSA sites and Nevada off-sites	450,619	450,619
Oak Ridge Reservation:		
OR Nuclear facility D & D	274,923	274,923
Total, OR Nuclear facility D & D	274,923	274,923
U233 Disposition Program	55,000	55,000
OR cleanup and disposition	73,725	73,725
Construction:		
17-D-401 On-site waste disposal facility	12,500	12,500
Total, Construction	12,500	12,500
Total, OR cleanup and waste disposition	141,225	141,225
OR community & regulatory support	5,096	5,096
OR technology development and deployment	3,000	3,000
Total, Oak Ridge Reservation	424,244	424,244
Savannah River Sites:		
Savannah River risk management operations		
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
Construction:		
18-D-402 Emergency Operations Center Replacement, SR	8,999	8,999
Total, risk management operations	461,723	461,723
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
Construction:		
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
Total, Construction	92,500	92,500
Total, Savannah River site	1,581,775	1,581,775

SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS (In Thousands of Dollars)		
Program	FY 2022 Request	House Authorized
Waste Isolation Pilot Plant		
Waste Isolation Pilot Plant	350,424	350,424
Construction:		
15-D-411 Safety significant confinement ventilation system, WIPP	55,000	55,000
15-D-412 Exhaust Shaft, WIPP	25,000	25,000
Total, Construction	80,000	80,000
Total, Waste Isolation Pilot Plant	430,424	430,424
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
Total, Defense Environmental Cleanup	6,841,670	6,841,670
Other Defense Activities		
Environment, health, safety and security		
Environment, health, safety and security	130,809	130,809
Program direction	75,511	75,511
Total, Environment, Health, safety and security	206,320	206,320
Independent enterprise assessments		
Independent enterprise assessments	27,335	27,335
Program direction	56,049	56,049
Total, Independent enterprise assessments	83,384	83,384
Specialized security activities	283,500	283,500
Office of Legacy Management		
Legacy management	408,797	158,797
Rejection of proposed transfer of FUSRAP		[-250,000]
Program direction	19,933	19,933
Total, Office of Legacy Management	428,730	178,730
Defense related administrative support	163,710	163,710
Office of hearings and appeals	4,356	4,356
Subtotal, Other defense activities	1,170,000	920,000
Total, Other Defense Activities	1,170,000	920,000



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.”.

DIRECTIVE REPORT LANGUAGE

Table Of Contents

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

OTHER PROCUREMENT, ARMY

Items of Special Interest

Soldier Enhancement Program

AIRCRAFT PROCUREMENT, NAVY

Items of Special Interest

Naval adversary aircraft recapitalization

Navy tactical fighter aircraft force structure

PROCUREMENT, DEFENSE-WIDE

Items of Special Interest

Radio Integration System program upgrade

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, NAVY

Items of Special Interest

Next Generation Jammer high band

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE

Items of Special Interest

Advanced Battle Management System

T-7 review and program risk assessment

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
Status of Procurement Technical Assistance Program Integration into Office of Industrial Policy

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

TITLE XI—CIVILIAN PERSONNEL MATTERS

ITEMS OF SPECIAL INTEREST

Technical and Digital Talent

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

ITEMS OF SPECIAL INTEREST

Countering Hybrid Threats
Department of Defense State Partnership Program Support to U.S. Security Cooperation Objectives
Global Fragility Act Implementation
Operational Concepts
Status of Operation Atlantic Resolve
Strategy to Mitigate Modifications to Defender Europe
Strategy to Mitigate U.S. Army V Corps in the Continental United States Challenges

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
DISCRETIONARY AUTHORIZATIONS WITHIN THE JURISDICTION OF THE ARMED SERVICES COMMITTEE			
National Defense Funding, Base Budget Request			
Function 051, Department of Defense-Military			
Division A: Department of Defense Authorizations			
Title I—Procurement			
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
Subtotal, Title I—Procurement	132,205,078	4,136,083	136,341,161
Title II—Research, Development, Test and Evaluation			
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
Subtotal, Title II—Research, Development, Test and Evaluation	111,964,188	837,175	112,801,363
Title III—Operation and Maintenance			
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

August 23, 2021 (10:47 p.m.)

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
Subtotal, Title III—Operation and Maintenance	253,623,852	-4,379,758	249,244,094
Title IV—Military Personnel			
Military Personnel Appropriations	157,947,920	-500,000	157,447,920
Medicare-Eligible Retiree Health Fund Contributions ...	9,337,175		9,337,175
Subtotal, Title IV—Military Personnel	167,285,095	-500,000	166,785,095
Title XIV—Other Authorizations			
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
Subtotal, Title XIV—Other Authorizations	39,849,030	55,500	39,904,530
Total, Division A: Department of Defense Authoriza- tions	704,927,243	149,000	705,076,243
Division B: Military Construction Authorizations			
Military Construction			
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
Subtotal, Military Construction	8,139,332	874,869	9,014,201

August 23, 2021 (10:47 p.m.)

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022—Continued

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
Family Housing			
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
Subtotal, Family Housing	1,423,060	46,500	1,469,560
Base Realignment and Closure			
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
Subtotal, Base Realignment and Closure	284,639	150,000	434,639
Total, Division B: Military Construction Authoriza- tions	9,847,031	1,071,369	10,918,400
Total, 051, Department of Defense-Military	714,774,274	1,220,369	715,994,643
Division C: Department of Energy National Security Authorization and Other Authorizations			
Function 053, Atomic Energy Defense Activities			
Environmental and Other Defense Activities			
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
Subtotal, Environmental and Other Defense Activi- ties	27,904,470	-149,000	27,755,470
Independent Federal Agency Authorization			
Defense Nuclear Facilities Safety Board	31,000		31,000
Subtotal, Independent Federal Agency Authorization	31,000	0	31,000
Subtotal, 053, Atomic Energy Defense Activities	27,935,470	-149,000	27,786,470
Function 054, Defense-Related Activities			
Other Agency Authorizations			
Maritime Security Program	318,000		318,000
Tanker Security Program	60,000		60,000

August 23, 2021 (10:47 p.m.)

SUMMARY OF NATIONAL DEFENSE AUTHORIZATIONS FOR FISCAL YEAR 2022—Continued

(In Thousands of Dollars)

	FY 2022 Request	House Change	House Authorized
Subtotal, Other Agency Authorizations	378,000	0	378,000
Subtotal, 054, Defense-Related Activities	378,000	0	378,000
Subtotal, Division C: Department of Energy National Security Authorization and Other Authorizations ..	28,313,470	-149,000	28,164,470
Total, National Defense	743,087,744	1,071,369	744,159,113
MEMORANDUM: NON-DEFENSE AUTHORIZATIONS	882,454	546,181	1,428,635
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
MEMORANDUM: TRANSFER AUTHORITIES (NON-ADD)			
Title X—General Transfer Authority			[6,500,000]
MEMORANDUM: DEFENSE AUTHORIZATIONS NOT UNDER THE JURISDICTION OF THE ARMED SERVICES COM- MITTEE (NON-ADD)			
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
(Community Project Funding Items)

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	Obenolte, 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)

COMPLIANCE WITH HOUSE RULE XXI
(Community Project Funding Items)

TITLE	ACCOUNT	PE	LINE	PROJECT NAME	PROJECT RECIPIENT	PROJECT LOCATION	AMOUNT (Dollars in Thousands)	MEMBER
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)