SUMMARY OF BILL LANGUAGE
## Table Of Contents

**DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS**

**TITLE I—PROCUREMENT**

**LEGISLATIVE PROVISIONS**

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

Section 141—Termination of Quarterly Reporting on Use of Combat Mission Requirements Funds

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

**LEGISLATIVE PROVISIONS**

**SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS**

Section 211—Laboratory Quality Enhancement Program

Section 213—Improved Biosafety for Handling of Select Agents and Toxins

Section 214—Modernization of Security Clearance Information Technology Architecture

Section 215—Prohibition on Availability of Funds for Countering Weapons of Mass Destruction System Constellation

Section 216—Limitation on Availability of Funds for Defense Innovation Unit Experimental

**SUBTITLE C—REPORTS AND OTHER MATTERS**

Section 221—Strategy for Assured Access to Trusted Microelectronics

Section 222—Pilot Program on Evaluation of Commercial Information Technology

Section 224—Report on Electronic Warfare Capabilities

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

**LEGISLATIVE PROVISIONS**

**SUBTITLE A—AMENDMENTS TO GENERAL CONTRACTING AUTHORITIES, PROCEDURES, AND LIMITATIONS**

Section 806—Amendments Related to Detection and Avoidance of Counterfeit Electronic Parts

**SUBTITLE D—OTHER MATTERS**

Section 834—Review of Anti-Competitive Specifications in Information Technology Acquisitions

**TITLE X—GENERAL PROVISIONS**

**LEGISLATIVE PROVISIONS**

**SUBTITLE D—COUNTERTERRORISM**

Section 1031—Frequency of Counterterrorism Operations Briefings

**SUBTITLE F—STUDIES AND REPORTS**

Section 1062—Matters for Inclusion in Report on Designation of Countries for which Rewards May Be Paid under Department of Defense Rewards Program
Section 1063—Congressional Notification of Biological Select Agent and Toxin Theft, Loss, or Release Involving the Department of Defense
Section 1064—Report on Service-Provided Support to United States Special Operations Forces
Section 1066—Report on Counterproliferation Activities and Programs
SUBTITLE G—OTHER MATTERS
Section 1086—National Biodefense Strategy

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS
LEGISLATIVE PROVISIONS
SUBTITLE A—ASSISTANCE AND TRAINING
Section 1203—Modification and Extension of Authority to Conduct Activities to Enhance the Capability of Foreign Countries to Respond to Incidents Involving Weapons of Mass Destruction
Section 1204—Extension of Authority for Support of Special Operations to Combat Terrorism
SUBTITLE E—OTHER MATTERS
Section 1247—Two-Year Extension and Modification of Authorization of Non-Conventional Assisted Recovery Capabilities
Section 1248—Authority to Destroy Certain Specified World War II-Era United States-Origin Chemical Munitions Located on San Jose Island, Republic of Panama

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS
LEGISLATIVE PROVISIONS
SUBTITLE C—LIMITATIONS, REPORTS, AND OTHER MATTERS
Section 1532—Joint Improvised Explosive Device Defeat Fund
Section 1533—Extension of Authority to Use Joint Improvised Explosive Device Defeat Fund for Training of Foreign Security Forces to Defeat Improvised Explosive Devices

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS
LEGISLATIVE PROVISIONS
SUBTITLE C—CYBERSPACE-RELATED MATTERS
Section 1631—Special Emergency Procurement Authority to Facilitate the Defense Against or Recovery from a Cyber Attack
Section 1632—Change in Name of National Defense University's Information Resources Management College to College of Information and Cyberspace
Section 1633—Requirement to Enter into Agreements Relating to Use of Cyber Opposition Forces
Section 1634—Limitation on Availability of Funds for Cryptographic Systems and Key Management Infrastructure
DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

LEGISLATIVE PROVISIONS

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

Section 141—Termination of Quarterly Reporting on Use of Combat Mission Requirements Funds

This section would amend the quarterly report requirement in section 123 of the Ike Skelton National Defense Authorization Act for Fiscal Year 2011 (Public Law 111-383), to sunset the requirement for such reports on September 30, 2018.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

LEGISLATIVE PROVISIONS

SUBTITLE B—PROGRAM REQUIREMENTS, RESTRICTIONS, AND LIMITATIONS

Section 211—Laboratory Quality Enhancement Program

This section would require the establishment of a Laboratory Quality Enhancement Program (LQEP) to support the analysis and implementation of current policies, as well as make recommendations for new initiatives to support the improvement and enhancement of the Department of Defense's Science and Technology Reinvention Laboratories. This section would also place responsibility for LQEP under the Assistant Secretary of Defense for Research and Engineering (ASD(R&E)), and would modify section 1114(a)(2)(C) in the Floyd D. Spence National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398) to align management of the laboratory demonstration program with the ASD(R&E).

Section 213—Improved Biosafety for Handling of Select Agents and Toxins

This section would direct the Department of Defense to implement several improvements for handling of select agents and toxins, as recommended from an Army 15-6 investigative report on the individual and institutional accountability for the shipment of viable Bacillus Anthracis from Dugway Proving Ground. This section would require the Department to implement a quality assurance and quality control program for any facility producing biological select agents and toxins, and
for the Secretary of Defense to submit a report to the congressional defense committees by February 1, 2017, on the potential consolidation of facilities that work with biological select agents and toxins. This section would also require the Comptroller General of the United States to submit a report to the congressional defense committees by September 1, 2017, on the effectiveness and completeness of the Department of Defense’s actions taken to address the findings and recommendations of the Army 15-6 investigation.

Section 214—Modernization of Security Clearance Information Technology Architecture

This section would require the Secretary of Defense to develop and sustain a new security clearance information technology architecture to replace the legacy system of the Office of Personnel Management. Further, this section would require the Secretary of Defense, Director of National Intelligence, and Director of the Office of Personnel Management to issue a governance charter to delineate responsibilities between organizations, as well as to review and revise as necessary the executive orders, statutes, and other authorities related to personnel security. This section would also require quarterly notifications to designated congressional committees until September 30, 2019.

Section 215—Prohibition on Availability of Funds for Countering Weapons of Mass Destruction System Constellation

This section would prohibit the Department of Defense from obligating or expending any funds in fiscal year 2017 for research, development, and prototyping of the countering weapons of mass destruction situational awareness information system, known as "Constellation." This section would also require the Chief Information Officer of the Department of Defense, in consultation with the Director of the Defense Information Systems Agency, to submit a report to the congressional defense committees by February 1, 2017, on the requirements and program plan for the Constellation system.

Section 216—Limitation on Availability of Funds for Defense Innovation Unit Experimental

This section would limit the amount of authorized funds available to be obligated or expended for the Defense Innovation Unit Experimental (DIUx) until the Secretary of Defense provides a report to the congressional defense committees on the charter for and the use of funds to establish and expand DIUx.

The committee is aware of the Department of Defense’s efforts to increase outreach to and collaboration with sources of commercial innovation throughout the United States. The committee recognizes that commercial innovation is not only a significant driver for the economy, but also provides significant contributions to national security. The committee has been supportive of mechanisms for tapping
into the nontraditional defense contractor community, which includes commercial start-ups and other companies that have not typically focused on the defense market. The committee notes that the administrative and regulatory barriers that are in place within the acquisition system often act as moats to keep these innovation players out, rather than a bridge into the national security sector.

The committee believes DIUx to be a helpful step in bridging those communities, but is concerned by the pinpoint focus on one geographic region, as well as the dedication of significant funding at such a nascent period in the development of this organization and the concept on which it was founded. The committee is concerned that outreach is proceeding without sufficient attention being paid to breaking down the barriers that have traditionally prevented nontraditional contractors from supporting defense needs, like lengthy contracting processes and the inability to transition technologies. Furthermore, the committee is concerned that the focus on this initiative is occurring without sufficient guidance, oversight, and coordination with and into the various laboratories, engineering centers, and existing state and local innovation centers that by necessity must also bridge into this community. The committee believes that focusing on laying a solid foundation for DIUx and its interaction with communities and the Department of Defense enterprise is critical to ensuring effectiveness, especially if such initiatives will be expanded to include other locations.

**SUBTITLE C—REPORTS AND OTHER MATTERS**

**Section 221—Strategy for Assured Access to Trusted Microelectronics**

This section would require the Secretary of Defense to develop and implement a strategy for developing and acquiring trusted microelectronics from various sources by 2020. This section would further require the Secretary to submit such a strategy to the congressional defense committees not later than 1 year after the date of the enactment of this Act. The Secretary of Defense would also be required to certify by September 30, 2020, that the Department has implemented the recommendations of the strategy, and has created an assured means of accessing sufficient supply of trusted microelectronics.

**Section 222—Pilot Program on Evaluation of Commercial Information Technology**

This section would require the Defense Information Systems Agency to establish a pilot program to evaluate commercially available information technology tools to better understand and characterize their potential impact on Department of Defense networks and computing environments through prototyping, experimentation, operational demonstration, military user assessment, or other means to get quantitative and qualitative feedback on the commercial item.
Section 224—Report on Electronic Warfare Capabilities

This section would require the Under Secretary of Defense for Acquisition, Technology, and Logistics, acting through the Electronic Warfare Executive Committee, to submit to the congressional defense committees a report by April 1, 2017, on future electronic warfare concepts and technologies. The report shall include a strategy for developing and implementing new operational concepts, synchronization and oversight of current and future programs, training and operational support requirements, and methods for securing technological advances.

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

LEGISLATIVE PROVISIONS

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

Section 806—Amendments Related to Detection and Avoidance of Counterfeit Electronic Parts

This section would modify section 818 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112-81) by replacing the term "trusted suppliers" with the term "suppliers that meet anticounterfeiting requirements", as well as related conforming amendments.

The committee is aware that the term "trusted" in this context has created some confusion, since "trusted suppliers" refers to a specific category of microelectronics suppliers that have been accredited by the Defense Microelectronics Activity. Counterfeit parts refer to a much broader set of circumstances and require a broader definition of the supplier base needed to address counterfeiting concerns.

SUBTITLE D—OTHER MATTERS

Section 834—Review of Anti-Competitive Specifications in Information Technology Acquisitions

This section would require the Under Secretary of Defense for Acquisition, Technology, and Logistics to review the policy, guidance, regulations, and training related to specifications included in information technology (IT) acquisitions within 180 days after the date of the enactment of this Act. The purpose of this review would be to ensure that current policies eliminate the use of potentially anti-competitive specifications, such as the use of brand name procurements, or references to proprietary specification or standards in IT acquisitions. This section
would also require the Under Secretary to provide a briefing to the Senate Committee on Armed Services and the House Committee on Armed Services on the review. Lastly, this section would require the Under Secretary to revise current policies, guidance, and training to incorporate any recommended changes from this review, should changes be warranted.

TITLE X—GENERAL PROVISIONS

LEGISLATIVE PROVISIONS

SUBTITLE D—COUNTERTERRORISM

Section 1031—Frequency of Counterterrorism Operations Briefings

This section would amend section 485 of title 10, United States Code, to require the Secretary of Defense to provide monthly counterterrorism operations briefings to the congressional defense committees.

SUBTITLE F—STUDIES AND REPORTS

Section 1062—Matters for Inclusion in Report on Designation of Countries for which Rewards May Be Paid under Department of Defense Rewards Program

This section would modify the reporting requirements in section 127b(h) of title 10, United States Code, for the Department of Defense Rewards Program to clarify the requirement to report on the designation of countries for which rewards or payment-in-kind may be paid.

Section 1063—Congressional Notification of Biological Select Agent and Toxin Theft, Loss, or Release Involving the Department of Defense

This section would direct the Secretary of Defense to provide notification to the congressional defense committees within 15 days of notifying the Centers for Disease Control and Prevention and/or the Animal and Plant Health Inspection Service of any theft, loss, or release of biological select agents or toxins.

Section 1064—Report on Service-Provided Support to United States Special Operations Forces

This section would require the Secretary of Defense to submit a report to the congressional defense committee within 180 days after the date of the enactment of this Act on support contributed from each of the military services towards special operations forces for each of the fiscal years 2018-20.
Section 1066—Report on Counterproliferation Activities and Programs

This section would require the Secretary of Defense to provide the congressional defense committees with a biennial report, with a sunset date of January 31, 2021, on the Department of Defense's counterproliferation activities and programs. This report would be a simplified replacement for the Counterproliferation Program Review Committee report from section 1603 of the National Defense Authorization Act for Fiscal Year 1994 (Public Law 103-160) that has recently expired. The content of this report is aimed to reduce the reporting burden on the Department, while still providing the congressional defense committees with program analysis critical for robust program oversight.

SUBTITLE G—OTHER MATTERS

Section 1086—National Biodefense Strategy

This section would require the Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture to jointly develop and submit to the appropriate congressional committees, within 275 days after the date of the enactment of this Act, a national biodefense strategy and implementation plan. This section would also require the Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture to provide a joint briefing to the appropriate congressional committees annually, starting March 1, 2017, and ending March 1, 2019, on the strategy and status of its implementation. This section would also require the Comptroller General of the United States to submit a report to the appropriate congressional committees, within 180 days of submission of the national biodefense strategy, on a gap analysis of the national biodefense strategy and its implementation plan.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

LEGISLATIVE PROVISIONS

SUBTITLE A—ASSISTANCE AND TRAINING

Section 1203—Modification and Extension of Authority to Conduct Activities to Enhance the Capability of Foreign Countries to Respond to Incidents Involving Weapons of Mass Destruction

This section would modify section 1204 of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66) to include a 48-hour congressional notification when assistance expected to exceed $4.0 million is provided to certain foreign countries, to cap the funds available at $20.0 million, and extend the authority 1 year, through September 30, 2020.
Section 1204—Extension of Authority for Support of Special Operations to Combat Terrorism


SUBTITLE E—OTHER MATTERS

Section 1247—Two-Year Extension and Modification of Authorization of Non-Conventional Assisted Recovery Capabilities

This section would modify section 943 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110-417), as most recently amended by section 1271 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92), to permit the recovery of individuals identified by the Secretary of Defense when a non-conventional assisted recovery capability is already in place. This section would also extend the authority through 2020.

The committee reminds the Department that this authority constitutes a traditional military activity for personnel recovery and should not be interpreted as an intelligence activity. The committee notes that failure to use and report this authority accordingly will jeopardize future re-authorizations.

Section 1248—Authority to Destroy Certain Specified World War II-Era United States-Origin Chemical Munitions Located on San Jose Island, Republic of Panama

This section would authorize the Secretary of Defense to destroy the eight U.S.-origin chemical munitions on San Jose Island, Republic of Panama. These munitions are remnants from research, development, and testing conducted jointly by an American, British, and Canadian effort during, and shortly after, World War II. By a letter dated May 8, 2013, the Republic of Panama formally requested U.S. assistance and limited its request to disposing of only these eight U.S.-origin chemical munitions. This section also includes certain related conditions and a sunset date for the authorization.

TITLE XV—AUTHORIZATION OF ADDITIONAL APPROPRIATIONS FOR OVERSEAS CONTINGENCY OPERATIONS

LEGISLATIVE PROVISIONS

SUBTITLE C—LIMITATIONS, REPORTS, AND OTHER MATTERS
Section 1532—Joint Improvised Explosive Device Defeat Fund

This section would modify subsection 1532(a) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92) by extending the use and transfer authority for the Joint Improvised Explosive Device Defeat Fund to fiscal year 2017. This section would also modify section 1532(c) of the National Defense Authorization Act for Fiscal Year 2013 (Public Law 112–239) by expanding the foreign governments to whom assistance may be provided in order to counter the flow of improvised explosive device precursor chemicals. Finally, this section would extending the authority for interdiction of improvised explosive device precursor chemicals to December 31, 2017.

Section 1533—Extension of Authority to Use Joint Improvised Explosive Device Defeat Fund for Training of Foreign Security Forces to Defeat Improvised Explosive Devices

This section would modify section 1533(e) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) by extending the Authority to Use the Joint Improvised Explosive Device Defeat Fund for Training of Foreign Security Forces to Defeat Improvised Explosive Devices and precursor chemicals from September 30, 2018, to September 30, 2020.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

LEGISLATIVE PROVISIONS

SUBTITLE C—CYBERSPACE-RELATED MATTERS

Section 1631—Special Emergency Procurement Authority to Facilitate the Defense Against or Recovery from a Cyber Attack

This section would modify the current special procurement authority in section 1903(a)(2) of title 41, United States Code, to include use of such authority for recovery from or defense against cyber attacks.

Section 1632—Change in Name of National Defense University’s Information Resources Management College to College of Information and Cyberspace

This section would modify section 2165 of title 10, United States Code, to change the name of the Information Resources Management College to the College of Information and Cyberspace.
Section 1633—Requirement to Enter into Agreements Relating to Use of Cyber Opposition Forces

This section would require the Secretary of Defense to enter into agreements with each combatant command relating to the use of cyber opposition forces by September 30, 2017. This section would also require the development of a joint certification and training standard for cyber opposition forces by March 31, 2017.

The committee recognizes that the Department is making strides in establishing, manning, and training an adequate cyber mission force to help defend Department of Defense networks and information systems. An important aspect of that training, as well as the maintenance of long-term proficiency, will be through the use of cyber opposition forces that can realistically emulate the types of threat actors these teams will likely face. Just as conventional forces often face opposition forces in training exercises to improve their combat capability, the committee recognizes that such practices will have great utility in the cyber domain.

The committee also believes that the Department’s move to a persistent training environment should be matched with the ability to continuously integrate such cyber opposition force training into these ongoing training evolutions. As the Department tries to marry the persistent training environment with continuous opposition force training, the committee believes that there will be a number of issues that should be addressed. In addition to the need to provide a joint training standard for those teams that mirrors the joint training standard for the cyber mission teams, the committee recognizes that special arrangements will be needed to deconflict training from real world activities that may happen on mission networks. The committee urges the Department to address these kinds of issues in developing agreements with the combatant commands to integrate cyber opposition force training into continuous and ongoing training activities.

Section 1634—Limitation on Availability of Funds for Cryptographic Systems and Key Management Infrastructure

This section would limit the amount of authorized funds available to be obligated or expended in fiscal year 2017 for cryptographic systems and key management infrastructure until the Secretary of Defense, in coordination with the Director of the National Security Agency, provides a report on the integration of the cryptographic modernization and key management infrastructure programs of the military departments, including a description of how the military departments have implemented stronger leadership, increased integration, and reduced redundancy with respect to such modernization and programs.
BILL LANGUAGE
Subtitle E—Defense-wide, Joint, and Multiservice Matters

SEC. 141. TERMINATION OF QUARTERLY REPORTING ON USE OF COMBAT MISSION REQUIREMENTS FUNDS.

Subtitle B—Program Requirements, Restrictions, and Limitations

SEC. 211 [Log 62724]. LABORATORY QUALITY ENHANCEMENT PROGRAM.

(a) IN GENERAL.—The Secretary of Defense, acting through the Assistant Secretary of Defense for Research and Engineering, shall carry out a Program to be known as the “Laboratory Quality Enhancement Program” under which the Secretary shall establish the panels described in subsection (b) and direct such panels—

(1) to review and make recommendations to the Secretary with respect to—

(A) existing policies and practices affecting the science and technology reinvention laboratories to improve the research output of such laboratories; and

(B) new initiatives proposed by the science and technology reinvention laboratories;

(2) to support implementation of current and future initiatives affecting the science and technology reinvention laboratories; and

(3) to conduct assessments or data analysis on such other issues as the Secretary determines to be appropriate.
(b) PANELS.—The panels described in this subsection are:

(1) A panel on personnel, workforce development, and talent management.

(2) A panel on facilities and infrastructure.

(3) A panel on research strategy, technology transfer, and industry partnerships.

(4) A panel on oversight, administrative, and regulatory processes.

(c) COMPOSITION OF PANELS.—

(1) Each panel described in subsection (b) shall be composed of not less than 4 members.

(2) Each panel described in paragraphs (1) through (3) of subsection (b) shall be composed of subject matter and technical management experts from—

(A) laboratories and research centers of the Army, Navy and Air Force;

(B) appropriate Defense Agencies;

(C) the Office of the Assistant Secretary of Defense for Research and Engineering; and

(D) such other entities of the Department of Defense as the Secretary determines to be appropriate.
(3) The panel described in subsection (b)(4) shall be composed of—

(A) the Director of the Army Research Laboratory;

(B) the Director of the Air Force Research Laboratory;

(C) the Director of the Naval Research Laboratory; and

(D) such other members as the Secretary determines to be appropriate.

(d) Governance of Panels.—

(1) The chairperson of each panel shall be selected by its members.

(2) The panel described in subsection (b)(4) shall—

(A) oversee the activities of the panels described in paragraphs (1) through (3) of subsection (e);

(B) determine the subject matter to be considered by the panels; and

(C) provide the recommendations of the panels to the Secretary.

(e) Personnel Demonstration Project Authority.—Section 342(b) of the National Defense Authorization Act for Fiscal Year 1995 (Public Law 103-
337; 108 Stat. 2721) (as amended by section 1114(a)(2)(C) of the National Defense Authorization Act for Fiscal Year 2001 (Public Law 106-398; 114 Stat. 1654A–315)) is amended by adding at the end the following new paragraph:

“(4) In carrying out this subsection, the Secretary shall act through the Assistant Secretary of Defense for Research and Engineering.”.

(f) SCIENCE AND TECHNOLOGY REINVENTION LABORATORY DEFINED.—In this section, the term “science and technology reinvention laboratory” means a science and technology reinvention laboratory designated under section 1105 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84; 10 U.S.C. 2358 note).
SEC. 213 [Log 62743]. IMPROVED BIOSAFETY FOR HANDLING OF SELECT AGENTS AND TOXINS.

(a) QUALITY CONTROL AND QUALITY ASSURANCE PROGRAM.—The Secretary of Defense, acting through the executive agent for the biological select agent and toxin biosafety program of the Department of Defense, shall carry out a program to implement certain quality control and quality assurance measures at each covered facility.

(b) QUALITY CONTROL AND QUALITY ASSURANCE MEASURES.—Subject to subsection (c), the quality control and quality assurance measures implemented at each covered facility under subsection (a) shall include the following:

(1) Designation of an external manager to oversee quality assurance and quality control.

(2) Environmental sampling and inspection.

(3) Production procedures that prohibit operations where live biological select agents and toxins are used in the same laboratory where viability testing is conducted.

(4) Production procedures that prohibit work on multiple organisms or multiple strains of one organism within the same biosafety cabinet.

(5) A video surveillance program that uses video monitoring as a tool to improve laboratory
practices in accordance with regulatory requirements.

(6) Formal, recurring data reviews of production in an effort to identify data trends and non-conformance issues before such issues affect end products.

(7) Validated protocols for production processes to ensure that process deviations are adequately vetted prior to implementation.

(8) Maintenance and calibration procedures and schedules for all tools, equipment, and irradiators.

(c) WAIVER.—In carrying out the program under subsection (a), the Secretary may waive any of the quality control and quality assurance measures required under subsection (b) in the interest of national defense.

(d) STUDY AND REPORT REQUIRED.—

(1) The Secretary of Defense shall carry out a study to evaluate—

(A) the feasibility of consolidating covered facilities within a unified command to minimize risk;

(B) opportunities to partner with industry for the production of biological select agents and toxins and related services in lieu of main-
taining such capabilities within the Department of the Army; and

(C) whether operations under the biological select agent and toxin production program should be transferred to another government or commercial laboratory that may be better suited to execute production for non-Department of Defense customers.

(2) Not later than February 1, 2017, the Secretary shall submit to the congressional defense committees a report on the results of the study under paragraph (1).

(e) COMPTROLLER GENERAL REVIEW.—Not later than September 1, 2017, the Comptroller General of the United States shall submit to the congressional defense committees a report that includes the following:

(1) A review of—

(A) the actions taken by the Department of Defense to address the findings and recommendations of the report of the Department of the Army titled “Individual and Institutional Accountability for the Shipment of Viable Bacillus Anthracis from Dugway Proving Grounds”, dated December 15, 2015, including any actions taken to address the culture of compla-
cency in the biological select agent and toxin production program identified in such report; and

(B) the progress of the Secretary in carrying out the program under subsection (a).

(2) An analysis of the study and report under subsection (d).

(f) DEFINITIONS.—In this section:

(1) The term “covered facility” means any facility of the Department of Defense that produces biological select agents and toxins.

(2) The term “biological select agent and toxin” means any agent or toxin identified under—

(A) section 331.3 of title 7, Code of Federal Regulations;

(B) section 121.3 or section 121.4 of title 9, Code of Federal Regulations; or

(C) section 73.3 or section 73.4 of title 42, Code of Federal Regulations.
SEC. 214 [Log 63123]. MODERNIZATION OF SECURITY CLEARANCE INFORMATION TECHNOLOGY ARCHITECTURE.

(a) IN GENERAL.—The Secretary of Defense, in consultation with the Director of National Intelligence and the Director of the Office of Personnel Management, shall develop and implement an information technology system (in this section referred to as the “System”) to—

(1) modernize and sustain the security clearance information architecture of the National Background Investigations Bureau and the Department of Defense;

(2) support decision-making processes for the evaluation and granting of personnel security clearances;

(3) improve cyber security capabilities with respect to sensitive security clearance data and processes;

(4) reduce the complexity and cost of the security clearance process;

(5) provide information to managers on the financial and administrative costs of the security clearance process;

(6) strengthen the ties between counterintelligence and personnel security communities; and
(7) improve system standardization in the security clearance process.

(b) GUIDANCE REQUIRED.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Director of National Intelligence and the Director of the Office of Personnel Management, shall issue guidance establishing the respective roles, responsibilities, and obligations of the Secretary and Directors with respect to the development and implementation of the System.

(c) ELEMENTS OF SYSTEM.—In developing the System under subsection (a), the Secretary shall—

(1) conduct a review of security clearance business processes and, to the extent practicable, modify such processes to maximize compatibility with the security clearance information technology architecture to minimize the need for customization of the System;

(2) conduct business process mapping (as such term is defined in section 2222(i) of title 10, United States Code) of the business processes described in paragraph (1);

(3) use spiral development and incremental acquisition practices to rapidly deploy the System, in-
including through the use of prototyping and open architecture principles;
(4) establish a process to identify and limit interfaces with legacy systems and to limit customization of any commercial information technology tools used;
(5) establish automated processes for measuring the performance goals of the System; and
(6) incorporate capabilities for the continuous monitoring of network security and the mitigation of insider threats to the System.

(d) COMPLETION DATE.—The Secretary shall complete the development and implementation of the System by not later than September 30, 2019.

(e) BRIEFING.—Beginning on December 1, 2016, and on a quarterly basis thereafter until the completion date of the System under subsection (d), the Secretary of Defense shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives (and other appropriate congressional committees on request) on the progress of the Secretary in developing and implementing the System.

(f) REVIEW OF APPLICABLE LAWS.—The Secretary shall review laws, regulations, and executive orders relating to the maintenance of personnel security clearance in-
formation by the Federal Government. Not later than 90
days after the date of the enactment of this Act, the Sec-
retary shall provide to the Committees on Armed Services
of the Senate and House of Representatives (and other
appropriate congressional committees on request) a brief-
ing that includes—

(1) the results of the review; and

(2) recommendations, if any, for consolidating
and clarifying laws, regulations, and executive orders
relating to the maintenance of personnel security
clearance information by the Federal Government.

(g) APPROPRIATE CONGRESSIONAL COMMITTEES
DEFINED.—In this section, the term “appropriate con-
gressional committees” means—

(1) the Select Committee on Intelligence, the
Committee on Homeland Security and Governmental
Affairs, and the Committee on Appropriations of the
Senate; and

(2) the Permanent Select Committee on Intel-
ligence, the Committee on Oversight and Govern-
ment Reform, and the Committee on Appropriations
of the House of Representatives.
SEC. 215 [Log 62738]. PROHIBITION ON AVAILABILITY OF FUNDS FOR COUNTERING WEAPONS OF MASS DESTRUCTION SYSTEM CONSTELLATION.

(a) PROHIBITIONS.—None of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2017 for the countering weapons of mass destruction situational awareness information system commonly known as “Constellation” may be obligated or expended for research, development, or prototyping for such system.

(b) REVIEW.—The Chief Information Officer of the Department of Defense, in consultation with the Director of the Defense Information Systems Agency, shall review the requirements and program plan for research, development, and prototyping for the Constellation system.

(c) REPORT REQUIRED.—Not later than February 1, 2017, the Chief Information Officer of the Department of Defense, in consultation with the Director of the Defense Information Systems Agency, shall submit to the congressional defense committees a report on the review under subsection (b). Such report shall include the following, with respect to the Constellation system:

(1) A review of the major software components of the system and an explanation of the requirements of the Department of Defense with respect to each such component.
(2) Identification of elements and applications of the system that cannot be implemented using the existing technical infrastructure and tools of the Department of Defense or the infrastructure and tools in development.

(3) A description of major developmental milestones and decision points for additional prototypes needed to establish the full capabilities of the system, including a timeline and detailed metrics and criteria for each such milestone and decision point.

(4) An overview of a security plan to achieve an accredited cross-domain solution system, including security milestones and proposed security architecture to mitigate both insider and outsider threats.

(5) Identification of the planned categories of end-users of the system, linked to organizations, mission requirements, and concept of operations, the expected total number of end-users, and the associated permissions granted to such users.

(6) A cost estimate for the full life-cycle cost to complete the Constellation system.
SEC. 216 [Log 62715]. LIMITATION ON AVAILABILITY OF FUNDS FOR DEFENSE INNOVATION UNIT EXPERIMENTAL.

(a) LIMITATION.—Of the funds specified in subsection (c), not more than 80 percent may be obligated or expended until the date on which the Secretary of Defense submits to the congressional defense committees the report under subsection (b).

(b) REPORT REQUIRED.—The Secretary of Defense shall submit to the congressional defense committees a report on the Defense Innovation Unit Experimental. Such report shall include the following:

(1) The charter and mission statement of the Unit.

(2) A description of—

(A) the governance structure of the Unit;

(B) the metrics used to measure the effectiveness of the Unit;

(C) the process for coordinating and deconflicting the activities of the Unit with similar activities of the military departments, Defense Agencies, and other departments and agencies of the Federal Government, including activities carried out by In-Q-Tel, the Defense Advanced Research Projects Agency, and Department of Defense laboratories;
(D) the direct staffing requirements of the Unit, including a description of the desired skills and expertise of such staff;

(E) the number of civilian and military personnel provided by the military departments and Defense Agencies to support the Unit;

(F) any planned expansion to new sites, the metrics used to identify such sites, and an explanation of how such expansion will provide access to innovations of nontraditional defense contractors (as such term is defined in section 2302 of title 10, United States Code) that are not otherwise accessible;

(G) how compliance with Department of Defense requirements could affect the ability of such nontraditional defense contractors to market products and obtain funding; and

(H) how to treat intellectual property that has been developed with little or no government funding.

(3) Any other information the Secretary determines to be appropriate.

(e) FUNDS SPECIFIED.—The funds specified in this subsection are as follows:
(1) Funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2017 for operation and maintenance, Defense-wide, for the Defense Innovation Unit Experimental.

(2) Funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2017 for research, development, test, and evaluation, Defense-wide, for the Defense Innovation Unit Experimental.
Subtitle C—Reports and Other Matters

SEC. 221 [Log 62714]. STRATEGY FOR ASSURED ACCESS TO TRUSTED MICROELECTRONICS.

(a) STRATEGY.—The Secretary of Defense shall develop a strategy to ensure that the Department of Defense has assured access to trusted microelectronics by not later than September 30, 2020.

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

(1) Definitions of the various levels of trust required by classes of Department of Defense systems.

(2) Means of classifying systems of the Department of Defense based on the level of trust such systems are required to maintain with respect to microelectronics.

(3) Means by which trust in microelectronics can be assured.

(4) Means to increase the supplier base for assured microelectronics to ensure multiple supply pathways.

(5) An assessment of the microelectronics needs of the Department of Defense in future years, including the need for trusted, radiation-hardened microelectronics.
(6) An assessment of the microelectronic needs of the Department of Defense that may not be fulfilled by entities outside the Department of Defense.

(7) The resources required to assure access to trusted microelectronics, including infrastructure and investments in science and technology.

(e) Submission.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees the strategy developed under subsection (a). The strategy shall be submitted be in unclassified form, but may include a classified annex.

(d) Directive Required.—Not later than September 30, 2020, the Secretary of Defense shall issue a directive for the Department of Defense describing how Department of Defense entities may access assured and trusted microelectronics supply chains for Department of Defense systems.

(e) Certification.—Not later than September 30, 2020, the Secretary of the Defense shall certify to the congressional defense committees that—

(1) the strategy developed under subsection (a) has been implemented; and

(2) the Department of Defense has an assured means for accessing a sufficient supply of trusted
microelectronics, as required by the strategy developed under subsection (a).

(f) DEFINITION.—In this section, the terms “trust” and “trusted” refer, with respect to microelectronics, to the ability of the Department of Defense to have confidence that the microelectronics function as intended and are free of exploitable vulnerabilities, either intentionally or unintentionally designed or inserted as part of the system at any time during its life cycle.
SEC. 222 [Log 63124]. PILOT PROGRAM ON EVALUATION OF
COMMERCIAL INFORMATION TECHNOLOGY.

(a) PILOT PROGRAM.—The Director of the Defense
Information Systems Agency shall carry out a pilot pro-
gram to evaluate commercially available information tech-
nology tools to better understand the potential impact of
such tools on networks and computing environments of the
Department of Defense.

(b) ACTIVITIES.—Activities under the pilot program
may include the following:

(1) Prototyping, experimentation, operational
demonstration, military user assessments, and other
means of obtaining quantitative and qualitative feed-
back on the commercial information technology
products.

(2) Engagement with the commercial informa-
tion technology industry to—

(A) forecast military requirements and
technology needs; and

(B) support the development of market
strategies and program requirements before fi-
nalizing acquisition decisions and strategies.

(3) Assessment of novel or innovative commer-
cial technology for use by the Department of De-
fense.
(4) Assessment of novel or innovative contracting mechanisms to speed delivery of capabilities to the Armed Forces.

(5) Solicitation of operational user input to shape future information technology requirements of the Department of Defense.

(c) LIMITATION ON AVAILABILITY OF FUNDS.—Of the amounts authorized to be appropriated for research, development, test, and evaluation, Defense-wide, for each of fiscal years 2017 through 2022, not more than $15,000,000 may be expended on the pilot program in any such fiscal year.
SEC. 224 [Log 63566]. REPORT ON ELECTRONIC WARFARE CAPABILITIES.

(a) REPORT REQUIRED.—Not later than April 1, 2017, the Under Secretary of Defense for Acquisition, Technology, and Logistics, acting through the Electronic Warfare Executive Committee, shall submit to the congressional defense committees a report on the electronic warfare capabilities of the Department of Defense.

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

(1) A strategy for advancing and accelerating research, development, test, and evaluation, and fielding, of electronic warfare capabilities to meet current and projected requirements, including recommendations for streamlining acquisition processes with respect to such capabilities.

(2) A methodology for synchronizing and overseeing electronic warfare strategies, operational concepts, and programs across the Department of Defense, including electronic warfare programs that support or enable cyber operations.

(3) The training and operational support required for fielding and sustaining current and planned investments in electronic warfare capabilities.
(4) A comprehensive list of investments of the Department of Defense in electronic warfare capabilities, including the capabilities to be developed, procured, or sustained in—

(A) the budget of the President for fiscal year 2018 submitted to Congress under section 1105(a) of title 31, United States Code; and

(B) the future-years defense program submitted to Congress under section 221 of title 10, United States Code, for that fiscal year.

(5) Any other information the Secretary determines to be appropriate.

(e) FORM.—The report under subsection (a) shall be submitted in unclassified form, but may include a classified annex.
SEC. 806 [Log 62758]. AMENDMENTS RELATED TO DETECTION AND AVOIDANCE OF COUNTERFEIT ELECTRONIC PARTS.

Section 818 of the National Defense Authorization Act for Fiscal Year 2012 (Public Law 112–81; 10 U.S.C. 2302 note) is amended—

(1) in paragraph (3) of subsection (c)—

(A) by striking the heading and inserting

“SUPPLIERS MEETING ANTICOUNTERFEITING REQUIREMENTS.—”;

(B) in subparagraph (A)(i), by striking

“trusted suppliers in accordance with regulations issued pursuant to subparagraph (C) or (D) who” and inserting “suppliers that meet anticounterfeiting requirements in accordance with regulations issued pursuant to subparagraph (C) or (D) and that”;

(C) in subparagraphs (A)(ii) and (A)(iii), by striking “trusted suppliers” each place it appears and inserting “suppliers that meet anticounterfeiting requirements”; 

(D) in subparagraph (C), by striking “as trusted suppliers those” and inserting “suppliers”;

(E) in subparagraph (D) in the matter preceding clause (i), by striking “trusted sup-
pliers” and inserting “suppliers that meet anticounterfeiting requirements”; and

(F) in subparagraphs (D)(i) and (D)(iii), by striking “trusted” each place it appears; and

(2) in subsection (e)(2)(A)(v), by striking “use of trusted suppliers” and inserting “the use of suppliers that meet applicable anticounterfeiting requirements”.

SEC. 834 [Log 63632]. REVIEW OF ANTI-COMPETITIVE SPECIFICATIONS IN INFORMATION TECHNOLOGY ACQUISITIONS.

(a) Review Required.—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition, Technology, and Logistics shall conduct a review of the policy, guidance, regulations, and training related to specifications included in information technology acquisitions to ensure current policies eliminate the unjustified use of potentially anti-competitive specifications. In conducting the review, the Under Secretary shall examine the use of brand names or proprietary specifications or standards in solicitations for procurements of goods and services, as well as the current acquisition training curriculum related to those areas.

(b) Briefing Required.—Not later than 270 days after the date of the enactment of this Act, the Under Secretary shall provide a briefing to the Committees on Armed Services of the Senate and House of Representatives on the results of the review required by subsection (a).

(c) Additional Guidance.—Not later than one year after the date of the enactment of this Act, the Under Secretary shall revise policies, guidance, and training to incorporate such recommendations as the Under Secretary
1 considers appropriate from the review required by sub-
2 section (a).
Subtitle D—Counterterrorism

SEC. 1031. FREQUENCY OF COUNTERTERRORISM OPERATIONS BRIEFINGS.

(a) In General.—Subsection (a) of section 485 of title 10, United States Code is amended by striking “quarterly” and inserting “monthly”.

(b) Section Heading.—The section heading for such section is amended by striking “Quarterly” and inserting “Monthly”.

(c) Clerical Amendment.—The table of sections at the beginning of chapter 23 of such title is amended by striking the item relating to section 485 and inserting the following new item:

“485. Monthly counterterrorism operations briefings.”.
SEC. 1062. MATTERS FOR INCLUSION IN REPORT ON DESIGNATION OF COUNTRIES FOR WHICH REWARDS MAY BE PAID UNDER DEPARTMENT OF DEFENSE REWARDS PROGRAM.

Section 127b(h) of title 10, United States Code, is amended—

(1) in paragraph (2), by inserting “and justification” after “reason”; and

(2) by amending paragraph (3) to read as follows:

“(3) An estimate of the amount or value of the rewards to be paid as monetary payment or payment-in-kind under this section.”.
SEC. 1063. CONGRESSIONAL NOTIFICATION OF BIOLOGICAL SELECT AGENT AND TOXIN THEFT, LOSS, OR RELEASE INVOLVING THE DEPARTMENT OF DEFENSE.

(a) Notification Requirement.—Not later than 15 days after notice of any theft, loss, or release of a biological select agent or toxin involving the Department of Defense is provided to the Centers for Disease Control and Prevention or the Animal and Plant Health Inspection Service, as specified by section 331.19 of part 7 of the Code of Federal Regulations, the Secretary of Defense shall provide to the congressional defense committees notice of such theft, loss, or release.

(b) Elements.—Notice of a theft, loss, or release of a biological select agent or toxin under subsection (a) shall include each of the following:

(1) The name of the agent or toxin and any identifying information, including the strain or other relevant characterization information.

(2) An estimate of the quantity of the agent or toxin stolen, lost, or released.

(3) The location or facility from which the theft, loss, or release occurred.

(4) In the case of a release, any hazards posed by the release and the number of individuals potentially exposed to the agent or toxin.
(5) Actions taken to respond to the theft, loss, or release.
SEC. 1064. REPORT ON SERVICE-PROVIDED SUPPORT TO UNITED STATES SPECIAL OPERATIONS FORCES.

(a) Report Required.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a written report on common service support contributed from each of the military services toward special operations forces. Such report shall include—

(1) detailed information about the resources allocated by each military service for combat support, combat service support, and base operating support for special operations forces; and

(2) an assessment of the specific effects that future manpower and force structure changes are likely to have on the capability of each of the military services to provide common service support to special operations forces.

(b) Annual Updates.—For each of fiscal years 2018 through 2020, the Secretary of Defense shall submit to the congressional defense committees an update to the report required under subsection (a).

(c) Form of Report.—The report required under subsection (a) and each update provided under subsection (b) shall be submitted in unclassified form, but may contain a classified annex.
SEC. 1066. REPORT ON COUNTERPROLIFERATION ACTIVITIES AND PROGRAMS.

(a) In general.—The Secretary of Defense shall submit to the congressional defense committees a biennial report on the counterproliferation activities and programs of the Department of Defense. The Secretary shall submit the first such report by not later than May 1, 2017.

(b) Matters included.—Each report required under subsection (a) shall include each of the following:

(1) A complete list and assessment of existing and proposed capabilities and technologies for support of United States nonproliferation policy and counterproliferation policy, with regard to—

(A) interdiction;

(B) elimination;

(C) threat reduction cooperation;

(D) passive defenses;

(E) security cooperation and partner activities;

(F) offensive operations;

(G) active defenses; and

(H) weapons of mass destruction consequence management.

(2) For the existing and proposed capabilities and technologies identified under paragraph (1), an identification of goals, a description of ongoing ef-
forts, and recommendations for further enhancements.

(3) A complete description of requirements and priorities for the development and deployment of highly effective capabilities and technologies, including identifying areas for capability enhancement and deficiencies in existing capabilities and technologies.

(4) A comprehensive discussion of the near-term, mid-term, and long-term programmatic options for meeting requirements and eliminating deficiencies, including the annual funding requirements and completion dates established for each such option.

(5) An outline of interagency activities and initiatives.

(6) Any other matters the Secretary considers appropriate.

(c) FORMS OF REPORT.—Each report under subsection (a) shall be submitted in unclassified form, but may contain a classified annex.

(d) TERMINATION OF REQUIREMENT.—No report shall be required to be submitted under this section after January 31, 2021.
SEC. 1086. NATIONAL BIODEFENSE STRATEGY.

(a) STRATEGY AND IMPLEMENTATION PLAN REQUIRED.—The Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture shall jointly develop a national biodefense strategy and associated implementation plan, which shall include a review and assessment of biodefense policies, practices, programs and initiatives. Such Secretaries shall review and, as appropriate, revise the strategy biennially.

(b) ELEMENTS.—The strategy and associated implementation plan required under subsection (a) shall include each of the following:

(1) An inventory and assessment of all existing strategies, plans, policies, laws, and interagency agreements related to biodefense, including prevention, deterrence, preparedness, detection, response, attribution, recovery, and mitigation.

(2) A description of the biological threats, including biological warfare, bioterrorism, naturally occurring infectious diseases, and accidental exposures.

(3) A description of the current programs, efforts, or activities of the United States Government with respect to preventing the acquisition, proliferation, and use of a biological weapon, preventing an
accidental or naturally occurring biological outbreak, and mitigating the effects of a biological epidemic.

(4) A description of the roles and responsibilities of the Executive Agencies, including internal and external coordination procedures, in identifying and sharing information related to, warning of, and protection against, acts of terrorism using biological agents and weapons and accidental or naturally occurring biological outbreaks.

(5) An articulation of related or required interagency capabilities and whole-of-Government activities required to support the national biodefense strategy.

(6) Recommendations for strengthening and improving the current biodefense capabilities, authorities, and command structures of the United States Government.

(7) Recommendations for improving and formalizing interagency coordination and support mechanisms with respect to providing a robust national biodefense.

(8) Any other matters the Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture determine necessary.
(c) **Submital to Congress.**—Not later than 275 days after the date of the enactment of this Act, the Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture shall submit to the appropriate congressional committees the strategy and associated implementation plan required by subsection (a). The strategy and implementation plan shall be submitted in unclassified form, but may include a classified annex.

(d) **Briefings.**—Not later than March 1, 2017, and annually thereafter until March 1, 2019, the Secretary of Defense, the Secretary of Health and Human Services, the Secretary of Homeland Security, and the Secretary of Agriculture shall provide to the Committee on Armed Services of the House of Representatives, the Committee on Energy and Commerce of the House of Representatives, the Committee on Homeland Security of the House of Representatives, and the Committee on Agriculture of the House of Representatives a joint briefing on the strategy developed under subsection (a) and the status of the implementation of such strategy.

(e) **GAO Review.**—Not later than 180 days after the date of the submittal of the strategy and implementation plan under subsection (c), the Comptroller General of the United States shall conduct a review of the strategy and
implementation plan to analyze gaps and resources mapped against the requirements of the National Bio-
defense Strategy and existing United States biodefense policy documents.

(f) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
FINED.—In this section, the term “appropriate congres-
sional committees” means the following:

(1) The congressional defense committees.


(3) The Committee on Homeland Security of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate.

(4) The Committee on Agriculture of the House of Representatives and the Committee on Agriculture, Nutrition, and Forestry of the Senate.
SEC. 1203. [LOG 63349] MODIFICATION AND EXTENSION OF
AUTHORITY TO CONDUCT ACTIVITIES TO EN-
HANCE THE CAPABILITY OF FOREIGN COUN-
TRIES TO RESPOND TO INCIDENTS INVOLV-
ING WEAPONS OF MASS DESTRUCTION.

(a) LIMITATION ON AVAILABILITY OF AUTHORITY
FOR OTHER COUNTRIES.—Subsection (b) of section 1204
of the National Defense Authorization Act for Fiscal Year
note) is amended by striking “of the Secretary’s inten-
tion” and inserting “not later than 48 hours after the Sec-
retary makes a determination”.

(b) AVAILABILITY OF FUNDS.—Subsection (d)(1) of
such section is amended to read as follows:

“(1) FUNDS AVAILABLE.—Of the funds author-
ized to be appropriated for the Department of De-
fense for Operation and Maintenance, Defense-wide,
and available for the Defense Threat Reduction
Agency for a fiscal year, not more than $20,000,000
may be made available for assistance under this sec-
tion for such fiscal year.”.

(c) NOTICE TO CONGRESS ON CERTAIN ASSIST-
ANCE.—Subsection (e) of such section, as amended by sec-
tion 1202 of the Carl Levin and Howard P. “Buck”
Year 2015 (Public Law 113–291; 128 Stat. 3530), is further amended—

(1) by striking “If the amount” and inserting “If the Secretary of Defense determines that the amount”;

(2) by striking “the Secretary of Defense shall notify” and inserting “the Secretary shall notify”; and

(3) by striking “of that fact” and inserting “of such determination not later than 48 hours after making the determination”.

(d) EXPIRATION.—Subsection (h) of such section, as amended by section 1273 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1076), is further amended by striking “September 30, 2019” and inserting “September 30, 2020”.

(e) EFFECTIVE DATE.—The amendments made by this section take effect on the date of the enactment of this Act and apply with respect to assistance authorized to be provided under subsection (a) of section 1204 of the National Defense Authorization Act for Fiscal Year 2014 on or after such date of enactment.
SEC. 1204. [LOG 62752] EXTENSION OF AUTHORITY FOR SUPPORT OF SPECIAL OPERATIONS TO COMBAT TERRORISM.


April 21, 2016 (10:00 p.m.)

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56
SEC. 1247. [LOG 63708] TWO-YEAR EXTENSION AND MODIFICATION OF AUTHORIZATION OF NON-CONVENTIONAL ASSISTED RECOVERY CAPABILITIES.


(b) Modification to Authorized Activities.—Subsection (c) of such section is amended by inserting “, or other individuals, as determined by the Secretary of Defense, with respect to already established non-conventional assisted recovery capabilities” before the period at the end of the first sentence.
SEC. 1248. [LOG 63122] AUTHORITY TO DESTROY CERTAIN
SPECIFIED WORLD WAR II-ERA UNITED
STATES-ORIGIN CHEMICAL MUNITIONS LOCATED ON SAN JOSE ISLAND, REPUBLIC OF
PANAMA.

(a) Authority.—

(1) In general.—Subject to subsection (b),
the Secretary of Defense may destroy the chemical
munitions described in subsection (c).

(2) Ex gratia action.—The action authorized
by this section is “ex gratia” on the part of the
United States, as the term “ex gratia” is used in
section 321 of the Strom Thurmond National De-
fense Authorization Act for Fiscal Year 1999 (Pub-
lic Law 105-261; 10 U.S.C. 2701 note).

(3) Consultation between Secretary of
Defense and Secretary of State.—The Sec-
retary of Defense and the Secretary of State shall
consult and develop any arrangements with the Re-
public of Panama with respect to this section.

(b) Conditions.—The Secretary of Defense may ex-
ercise the authority under subsection (a) only if the Re-
public of Panama has—

(1) revised the declaration of the Republic of
Panama under the Convention on the Prohibition of
the Development, Production, Stockpiling and Use
of Chemical Weapons and on Their Destruction to
indicate that the chemical munitions described in
subsection (c) are “old chemical weapons” rather
than “abandoned chemical weapons”; and

(2) affirmed, in writing, that it understands (A)
that the United States intends only to destroy the
munitions described in subsections (c) and (d), and
(B) that the United States is not legally obligated
and does not intend to destroy any other munitions,
munitions constituents, and associated debris that
may be located on San Jose Island as a result of re-
search, development, and testing activities conducted
on San Jose Island during the period of 1943
through 1947.

(c) CHEMICAL MUNITIONS.—The chemical munitions
described in this subsection are the eight United States-
origin chemical munitions located on San Jose Island, Re-
public of Panama, that were identified in the 2002 Final
Inspection Report of the Technical Secretariat of the Or-
ganization for the Prohibition of Chemical Weapons.

(d) LIMITED INCIDENTAL AUTHORITY TO DESTROY
OTHER MUNITIONS.—In exercising the authority under
subsection (a), the Secretary of Defense may destroy other
munitions located on San Jose Island, Republic of Pan-
ama, but only to the extent essential and required to reach
and destroy the chemical munitions described in subsection (e).

(c) SOURCE OF FUNDS.—Of the amounts authorized to be appropriated by this Act, the Secretary of Defense may use up to $30,000,000 from amounts made available for Chemical Agents and Munitions Destruction, Defense to carry out the authority in subsection (a).

(f) SUNSET.—The authority under subsection (a) shall terminate on the date that is three years after the date of the enactment of this Act.
SEC. 1532 [Log 62763]. JOINT IMPROVISED EXPLOSIVE DE-
VICE DEFEAT FUND.

(a) USE AND TRANSFER OF FUNDS.—Subsection
1532(a) of the National Defense Authorization Act for
Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1091)
is amended by striking “fiscal year 2016” and inserting
“fiscal years 2016 and 2017”.

(b) EXTENSION OF INTERDICTION OF IMPROVISED
EXPLOSIVE DEVICE PRECURSOR CHEMICALS AUTHOR-
ITY.—Section 1532(c) of the National Defense Authoriza-
tion Act for Fiscal Year 2013 (Public Law 112–239; 126
Stat. 2057) is amended—

(1) in paragraph (1)—

(A) by striking “for fiscal year 2013 and
for fiscal year 2016,” and inserting “for fiscal
years 2013, 2016, and 2017”; 

(B) by inserting “with the concurrence of
the Secretary of State” after “may be available
to the Secretary of Defense”; 

(C) by striking “of the Government of
Pakistan” and inserting “of foreign govern-
ments”; and

(D) by striking “from Pakistan to loca-
tions in Afghanistan”;
(2) in paragraph (2), by striking “of the Government of Pakistan” and inserting “of foreign governments”;

(3) in paragraph (3)—

(A) in the matter preceding subparagraph (A), by striking “the congressional defense committees” and inserting “Congress”; and

(B) in subparagraph (B)—

(i) by striking “the Government of Pakistan” and inserting “foreign governments”; and

(ii) by striking “from Pakistan to locations in Afghanistan”; and


SEC. 1533 [Log 62764]. EXTENSION OF AUTHORITY TO USE JOINT IMPROVISED EXPLOSIVE DEVICE DEF. FEAT FUND FOR TRAINING OF FOREIGN SECURITY FORCES TO DEFEAT IMPROVISED EXPLOSIVE DEVICES.

Section 1533(c) of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat. 1093) is amended by striking “September 30, 2018” and inserting “September 30, 2020”.

21
Subtitle C—Cyberspace-Related Matters

SEC. 1631. SPECIAL EMERGENCY PROCUREMENT AUTHORITY TO FACILITATE THE DEFENSE AGAINST OR RECOVERY FROM A CYBER ATTACK.

Section 1903(a)(2) of title 41, United States Code, is amended by inserting “cyber,” before “nuclear,”.
SEC. 1632. CHANGE IN NAME OF NATIONAL DEFENSE UNIVERSITY’S INFORMATION RESOURCES MANAGEMENT COLLEGE TO COLLEGE OF INFORMATION AND CYBERSPACE.

Section 2165(b)(5) of title 10, United States Code, is amended by striking “Information Resources Management College” and inserting “College of Information and Cyberspace”.
SEC. 1633. REQUIREMENT TO ENTER INTO AGREEMENTS RELATING TO USE OF CYBER OPPOSITION FORCES.

(a) REQUIREMENT FOR AGREEMENTS.—Not later than September 30, 2017, the Secretary of Defense shall enter into an agreement with each combatant command relating to the use of cyber opposition forces. Each agreement shall require the command—

(1) to support a high state of mission readiness in the command through the use of one or more cyber opposition forces in continuous exercises and other training activities as considered appropriate by the commander of the command; and

(2) in conducting such exercises and training activities, meet the standard required under subsection (b).

(b) JOINT STANDARD FOR CYBER OPPOSITION FORCES.—Not later than March 31, 2017, the Secretary of Defense shall issue a joint training and certification standard for use by all cyber opposition forces within the Department of Defense.

(c) BRIEFING REQUIRED.—Not later than September 30, 2017, the Secretary of Defense shall provide to the congressional defense committees a briefing on—
(1) a list of each combatant command that has entered into an agreement required by subsection (a);

(2) with respect to each such agreement—

(A) special conditions in the agreement placed on any cyber opposition force used by the command;

(B) the process for making decisions about deconfliction and risk mitigation of cyber opposition force activities in continuous exercises and training;

(C) identification of cyber opposition forces trained and certified to operate at the joint standard, as issued under subsection (b);

(D) identification of the annual exercises that will include participation of the cyber opposition forces;

(E) identification of any shortfalls in resources that may prevent annual exercises using cyber opposition forces; and

(3) any other matters the Secretary of Defense considers appropriate.
SEC. 1634. LIMITATION ON AVAILABILITY OF FUNDS FOR CRYPTOGRAPHIC SYSTEMS AND KEY MANAGEMENT INFRASTRUCTURE.

(a) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2017 for cryptographic systems and key management infrastructure, not more than 75 percent may be obligated or expended until the date on which the Secretary of Defense, in consultation with the Director of the National Security Agency, submits to the appropriate congressional committees a report on the integration of the cryptographic modernization and key management infrastructure programs of the military departments, including a description of how the military departments have implemented stronger leadership, increased integration, and reduced redundancy with respect to such modernization and programs.

(b) APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.—In this section, the term “appropriate congressional committees” means the following:

(1) The congressional defense committees.

(2) The Permanent Select Committee on Intelligence of the House of Representatives.
DIRECTIVE REPORT LANGUAGE
Table Of Contents

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT
OTHER PROCUREMENT, ARMY
Items of Special Interest
Chemical, Biological, Radiological, and Nuclear Response Enterprise
Information Management System
PROCUREMENT, MARINE CORPS
Items of Special Interest
Non-lethal ocular interruption capabilities

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE
Items of Special Interest
Air Force directed energy initiatives
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE
Items of Special Interest
Broad-spectrum antiviral drug modeling
Comptroller General review of commercial practices for trust in microelectronics
Counter-unmanned aerial systems roadmap
Department of Defense medical countermeasures Advanced Development and Manufacturing facility roadmap
Desalination technology
Human systems integration activities
Incentives for increasing private sector medical countermeasures development
MQ-9 anti-icing capability
Prioritization of joint test activities
Technology enablers for directed energy weapon systems
U.S. Special Operations Command rapid prototyping and SOFWERX initiative

OPERATIONAL TEST AND EVALUATION, DEFENSE
Items of Special Interest
Range capabilities for emerging advanced technologies

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

ITEMS OF SPECIAL INTEREST
Human Capital Plan for Business Transformation

TITLE X—GENERAL PROVISIONS

ITEMS OF SPECIAL INTEREST
OTHER MATTERS
Comptroller General Assessment of Deployable Identity Management Forensics Capability
Department of Defense Strategy for Countering Unconventional Warfare
Wassenaar Arrangement Impacts to the Department of Defense

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS
ITEMS OF SPECIAL INTEREST
Countering Adversarial Messaging
Reporting Requirements of Authority for Support of Special Operations to Combat Terrorism
Social Media Analytics and Publically Available Information Supporting Battlespace Awareness
Strategy for Regional Counter-Narrative Capabilities

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS
ITEMS OF SPECIAL INTEREST
Assessment of Department of Defense Efforts to Secure Internet of Things Cloud Access Points
Comptroller General Assessment of the Management and Measurement of Cyber Activities
Cyber Training Equivalency
Host Based Security System Best Practices
Information Assurance of Joint Test and Evaluation Activities
Insider Threat Capabilities for the Joint Information Environment
Strategic Plan for the Defense Insider Threat Management and Analysis Center
The committee is aware that the National Guard Bureau Weapons of Mass Destruction-Civil Support Teams (CST) currently field a system, the CST Information Management System (CIMS), to provide a common operating picture, promote information sharing and real-time collaboration in an emergency situation, and support the CST mission of assisting and advising first responders and facilitating communications with other Federal resources. The committee is also aware that the CIMS system is being modified to establish an enterprise-capable tool, referred to as the National Guard Chemical, Biological, Radiological, and Nuclear Response Enterprise Information Management System 2018+ (NG CIMS 2018+), that will expand the capabilities of the CIMS to support the other National Guard Bureau forces, such as the Chemical, Biological, Radiological, Nuclear, and High-Explosive Enhanced Response Force Package and Homeland Defense Response Force units.

The committee believes it is important that this enhanced CIMS capability be fielded quickly and efficiently by utilizing prior investments to expand and enhance communication capability. The committee is aware of the plan to develop and establish the NG CIMS 2018+ through a multi-phase approach, including establishing initial operational capability in fiscal year 2016 and proving full operational capability in fiscal year 2018. Therefore, the committee directs the Secretary of Defense to provide a briefing to the Committee on Armed Services of the House of Representatives by December 1, 2016, detailing the status of the development of the NG CIMS 2018+ tool to date, as well as a description of the progress on providing the initial operational capability and an update on the future plans and milestones to establishment of full operational capability.
Non-lethal ocular interruption capabilities

The committee continues to support the Department’s efforts for accelerated development, fielding, and deployment of non-lethal technologies for both force application and force protection missions. The committee is encouraged by the Marine Corps’ efforts to modernize and procure hail and warning, laser dazzlers, and other escalation of force systems. The committee recognizes that these materiel solutions allow personnel engaged in combat, stability and support, security, and force protection operations to employ visual technologies to non-lethally intercept and interdict personnel at safe standoff distances. These solutions provide commanders with a non-lethal hailing and warning capability applicable across the range of military operations to support Marine Corps missions when the minimization of civilian casualties and collateral damage is essential to mission success. The committee is concerned that the funding reductions over the past few years to both the Department’s Non-Lethal Weapons program, and the services’ procurements for non-lethal systems, will not be able to support the readiness need for escalation of force capabilities that may be needed for humanitarian relief efforts, non-combatant evacuation operations, and peacekeeping. The committee, therefore, directs the Secretary of the Navy to provide a briefing to the House Committee on Armed Services by November 1, 2016, on actions being taken to ensure sufficient procurement of such equipment to meet projected operational needs. This briefing should include details on the programming, planning, and budgeting for procurement of hail and warning, and other escalation of force systems.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, AIR FORCE

Items of Special Interest

Air Force directed energy initiatives

The committee is aware that the Department of the Air Force established a Directed Energy Weapons (DEW) Integrated Product Team (IPT) in March 2016 to focus on operationalizing directed energy (DE) technologies. In addition to addressing technology development risks through science and technology efforts, the IPT will focus on policy issues, establishment of kinetic concepts of operation, opportunities for prototypes and experimentation, limitations, constraints, transition milestones, and critical decision points for Air Force strategic investment from 2016 to 2036. In addition, the DEW IPT will identify required test capabilities and acquisition infrastructure to support operationalizing DE. This information will be formalized in an Air Force DE Flight Plan.
The committee supports the effort to operationalize DE and recognizes the challenges, specifically the integration of DE on airborne platforms and resolution of policy issues, in achieving this goal. The committee understands that in producing the Air Force DE Flight Plan, initial concepts may prove unfeasible or not conducive to the overall Air Force Strategic Plan. Therefore, the committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services by July 15, 2016, on the establishment of the IPT and efforts and progress to date. The briefing should include a discussion of any DE requirements as identified by U.S. Air Force Special Operations Command, including any AC-130 gunship requirements, such as those included in the unfunded priorities list submitted to the committee. Finally, the committee expects to be provided a copy of the Air Force DE Flight Plan upon its completion in October 2016.

RESEARCH, DEVELOPMENT, TEST, AND EVALUATION, DEFENSE-WIDE

Items of Special Interest

Broad-spectrum antiviral drug modeling

The committee understands the importance of developing efficient and effective countermeasures against a growing list of lethal pathogens, many of which have different variants. The committee is supportive of efforts to develop broad-spectrum antiviral drugs that can be used against many different pathogen threats. The committee further believes that rapid development of these drugs can be improved by using modeling software of the drug/virus interaction to perform high throughput screening of potential candidate drugs, leading to decreased development time. After candidate drugs have been identified, it is also important to establish partnerships with biosafety level 4 facilities to allow testing of the efficacy of these drugs. The committee understands that partnerships with not-for-profit 501C3 applied research facilities can provide unique capabilities and expertise throughout the drug development process.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by September 30, 2016, on the current and planned use of drug/virus interaction modeling software for high throughput screening of potential small molecule drugs. The briefing should also include a list of the current and potential partnerships with not-for-profit 501C3 applied research facilities, and the potential for partnerships between these 501C3 applied research facilities and the Department of Defense Advanced Development and Manufacturing facility.

Comptroller General review of commercial practices for trust in microelectronics

The committee remains concerned with the Department of Defense's ability to ensure access to cutting-edge microelectronics with the requisite level of verifiable trust incorporated. The committee recognizes that the Department's
ability to provide superior capabilities to the warfighter is dependent, in part, on its ability to incorporate rapidly evolving, leading-edge microelectronic devices into its defense systems, while also balancing national security concerns. Currently, the Department processes for ensuring trust rely on assessing the integrity of the people and processes used to design, generate, manufacture, and distribute national security critical microelectronics. For over a decade, the Department has relied on a single domestic source for trusted leading edge microelectronics.

However, due to market trends, supply chain globalization, and manufacturing costs, the Department's future access to U.S.-based microelectronics sources is uncertain. As such, the Department is considering various potential approaches that would allow it to access commercial non-trusted sources in the global microelectronics marketplace, while still ensuring trust. Given the Department’s reliance on a single source for trusted leading-edge microelectronics, and the dwindling number of domestic microelectronics manufacturers on which the Department can rely, the committee believes that there should be a better understanding of what trust capabilities exist and are in use by the commercial marketplace.

Therefore, the committee directs the Comptroller General of the United States to provide a report to the House Committee on Armed Services by March 30, 2017, that evaluates how selected commercial microelectronics businesses ensure trust. As part of this evaluation, the Comptroller General should address the following:

1. How do selected commercial companies incorporate trust into their leading-edge microelectronics, including techniques to protect intellectual property and prevent malicious content in devices?
2. To what extent could the Department of Defense leverage these practices, and what are the challenges associated with implementing these practices for defense systems?

Counter-unmanned aerial systems roadmap

The committee believes that the proliferation of unmanned aerial systems (UAS), particularly small hobby systems that can be bought commercially, pose a significant challenge to the Department of Defense's capabilities to detect, track, and neutralize such threats. The committee is aware that the Army has conducted a technology red team to understand how such systems might be used against U.S. forces, focusing on potential adversarial employment and methods for avoiding detection. The committee is also aware that there has been some preliminary development of counter-UAS capabilities, and that organizations, from the Combating Terrorism Technology Support Office and the Joint Improvised-Threat Defeat Organization, are investigating technology solutions.

However, the committee is increasingly concerned that such efforts are not adequately coordinated, and have focused on near-term capabilities without taking a long-term, integrated view to developing countermeasures. The committee is also
concerned that the current focus does not provide an adequate variety of tools and technologies available at the tactical unit level to detect, track, and neutralize small UAS threats. Therefore, the committee directs the Secretary of Defense to develop a technology roadmap for addressing gaps to counter the potential threats from terrorist or state actor uses of small UAS technology, with an emphasis on technology to support tactical level units, and fixed, high-value defense assets. The committee further directs the Secretary to provide a briefing to the House Committee on Armed Services by June 1, 2017, on this roadmap.

Department of Defense medical countermeasures Advanced Development and Manufacturing facility roadmap

The committee understands the importance of maintaining a broad portfolio of medical countermeasures, including therapeutic and pre-treatment efforts, to address high priority threats to the warfighter. The committee also understands the challenges faced by the Department of Defense medical countermeasure development due to the low quantities procured and other acquisition challenges. The committee is aware of and has been monitoring the Department of Defense Advanced Development and Manufacturing (ADM) capability, which includes a dedicated facility to support the development, licensure, and manufacturing of medical countermeasures. This facility is planned to achieve full operational capability by the end of fiscal year 2016. The committee is also aware of complementary capabilities provided by the Department of Health and Human Services Biomedical Advanced Research and Development Authority (BARDA) Centers for Innovation in Advanced Development and Manufacturing.

The National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) required the Secretary of Defense to submit a report on the Department of Defense ADM that included cost-benefit analysis of the manufacturing and construction of the facility. The committee continues to be concerned about the potential for long-term operations and maintenance sustainment costs of the Department of Defense ADM facility, and about the possibility for duplication of efforts between the Department of Defense ADM facility and the Department of Health and Human Services ADM facilities. The committee directs the Secretary of Defense to develop and submit a report to the congressional defense committees by December 1, 2016, on the sustainment of the Department of Defense ADM facility. The report should include an estimate of sustainment costs and a roadmap for planned work at the Department of Defense ADM facility over the next 10 years, as well as details on the planned business model for ensuring continued sustainment of the facility. The roadmap should also address partnerships and use of complementary capabilities between the Department of Defense ADM and the Department of Health and Human Services BARDA Centers for Innovation in Advanced Development and Manufacturing.
Desalination technology

The committee is aware the Department of Defense has made advances in desalination technology over the last 15 years in support of large numbers of deployed forces in the Middle East. The committee recognizes that the inability to access clean water is a factor in destabilization around the world. The committee believes sharing desalination technologies with appropriate agencies, like the Department of State, to ensure advances are leveraged in development efforts is an important tool for stability and conflict avoidance. Therefore, the committee directs the Assistant Secretary of Defense for Research and Engineering to provide a briefing to the House Committee on Armed Services not later than March 1, 2017, on recent advances in desalination technologies, and how those advances have been shared with other U.S. Government agencies.

Human systems integration activities

The committee is concerned that military service personnel are required to use systems that are inadequate to their physical, behavioral, and cognitive needs. The committee recognizes that senior service leadership encourages the use of human systems integration research and development methods in response to the National Defense Authorization Act for Fiscal Year 2008 (Public Law 110-181). Despite this, human performance research is not routinely transitioning to defense acquisition programs. Also, with no specifications required for human systems integration in acquisition programs, Requests for Proposals seldom include evaluation criteria for it, and it is ignored by program managers. Nevertheless, the committee notes that individual and team performance is the foundation of an effective military force. Ensuring that systems account for human performance abilities can make acquisitions more cost-effective, strengthen force protection, reduce potential for re-engineering, and cut time and costs of training and retraining, among many other benefits. Therefore, the committee directs the Under Secretary of Defense for Acquisition, Technology, and Logistics to examine Department of Defense policies related to human systems integration within defense acquisitions and to provide a briefing to the House Armed Services Committee by February 15, 2017, on the findings and recommendations necessary to improve inclusion of human system integration research in acquisition programs.

Incentives for increasing private sector medical countermeasures development

The committee is aware of the importance of medical countermeasures, including prophylactics, pre-treatments, diagnostics, and therapeutics, to protect the warfighter from chemical, biological, radiological, and nuclear threats. The committee is also aware of the difficulty in engaging industry partners to develop medical countermeasures due to the low profitability, lengthy process, and costs for doing this contract work for the Government. The committee recognizes that strategies and incentives should be developed to stimulate private sector medical
countermeasures development. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by February 1, 2017, on potential incentives that would improve private sector, academia, non-profit, and other organization participation in medical countermeasures development. The briefing should identify any incentives that would require additional congressional authorities.

**MQ-9 anti-icing capability**

The committee notes that an anti-icing capability for the MQ-9 unmanned aerial system has been pursued by the Department of Defense, and specifically U.S. Air Force Air Combat Command, U.S. Special Operations Command, and U.S. Air Force Special Operations Command (AFSOC). However, the committee is concerned that a lack of capability prioritization and technical issues have delayed initial fielding times.

The committee notes that a recent Laboratory Innovation Crowdsourcing (LINC) requirement solicited by the Department’s Combating Terrorism Technology Support Office (CTTSO) stated that, "The current MQ-9 was fielded without the exact understanding of how it was affected by icing." The report continued that, "Due to the lack of data, the Air Force imposed conservative flight restrictions in order to reduce the risk to the weapons system ... AFSOC is interested in the development and testing of innovative de-ice technologies that allow the MQ-9 to cruise in light icing and visible moisture." This LINC initiative solicited by CTTSO for outside approaches reinforces the committee’s belief that the Department’s current approach to satisfying this operational requirement is disjointed and uncoordinated.

Therefore, the committee directs the Secretary of Defense, in coordination with the Commander, U.S. Air Force Air Combat Command and the Commander, U.S. Special Operations Command, to brief the Committee on Armed Services of the U.S. House of Representatives not later than October 1, 2016, on the Department’s efforts to field an anti-icing capability for the MQ-9. This briefing shall be in classified form as required.

**Prioritization of joint test activities**

The committee recognizes that developmental and operational test and evaluation activities are critical steps in research and development programs. Joint programs can be especially complex, and thus substantially more difficult to manage, with competing demands for resources, personnel, service priority, and the need to coordinate over multiple bureaucracies. The committee is concerned that the Department of Defense does not adequately prioritize research and development projects; unfortunately, there are instances when expensive projects from one military department may receive a low priority for testing time and resources at facilities operated by different military departments.
Therefore, the committee directs the Director of the Test Resource Management Center to provide a briefing to the House Committee on Armed Services by December 1, 2016, on the policies and processes for coordinating test and evaluation resources for joint and multi-service research and development projects. The briefing should include recommendations for improving the Department’s ability to make cross-service prioritization decisions related to test and evaluation facilities for joint and multi-service programs.

Technology enablers for directed energy weapon systems

The committee is aware that the Department of Defense has made significant advances in the development and operational demonstration of directed energy weapons systems. Each military department has demonstrated a marquee program in this area, such as the Navy's Laser Weapon System deployed on the USS Ponce, the Army High Energy Laser Mobile Demonstrator, and the Marine Corps' Ground Based Air Defense System. Along with technology demonstration activities like the Robust Electric Laser Initiative and the High Energy Liquid Laser Area Defense System, each of these programs demonstrated the increased power output and power on target necessary to develop a militarily useful directed energy weapon.

However, as the Department has made progress in raising the power levels of these systems, it has also demonstrated the need for emphasis on development in other technology areas necessary to realize the full potential of laser weapons. For example, higher power output requires improved beam control to engage targets at greater distances, as well as better thermal management systems to dissipate the increased heat load. As the Department has been overcoming foundational technical challenges, new challenges have emerged that will impact the operational uses for directed energy weapons.

Therefore, the committee directs the Assistant Secretary of Defense for Research and Engineering, in coordination with the research components of the military departments and the High Energy Laser Joint Technology Office, to provide a briefing to the House Committee on Armed Services by January 20, 2017. This briefing should provide a roadmap for enabling technologies, including:

1. Beam directors and adaptive optics, including deformable mirrors;
2. Thermal management needs and capabilities;
3. Integration challenges with fire control systems, including potential future needs for fire control for laser systems;
4. Power architectures and power electronics needs;
5. Facilities and test range capabilities; and
6. Other areas as deemed by the Secretary.

U.S. Special Operations Command rapid prototyping and SOFWERX initiative

The committee notes that the SOFWERX initiative and facility within U.S. Special Operations Command (USSOCOM) creates a forum for accelerating the
delivery of innovative capabilities to U.S. Special Operations Forces (USSOF) by engaging industry, academia, and Government laboratories, as well as hosting innovation and rapid prototyping sessions designed to overcome seemingly intractable problems. The committee notes that these sessions have started to refine and inform current and future USSOF requirements, as well as acquisition and engineering decisions, while increasing the potential to field capabilities faster. The committee applauds this revolutionary approach, which was established by USSOCOM in September 2015 using a Partnership Intermediary Agreement, as defined within section 3715 of title 10, United States Code.

The committee understands that each project within the SOFWERX facility is funded via related research, development, test, and evaluation (RDT&E) programs, including $0.5 million funded by the Tactical Assault Light Operator Suit effort, and an additional $2.0 million for fiscal year 2016 within PE 1160402BB, Advanced Technology Demonstrations. For fiscal year 2017, the committee notes that USSOCOM expects to spend $2.5 million from the Operations and Maintenance, Defense-Wide account for SOFWERX facility and support, although RDT&E efforts are not defined. While these initial investments for SOFWERX appear to be low-dollar thresholds, the committee encourages USSOCOM to seek cost-sharing agreements and cost-saving measures with other Department of Defense entities, such as those within each military service, the Defense Advanced Research Projects Agency, or other non-traditional funding sources when appropriate. The committee encourages USSOCOM to limit growth and overhead of this initiative to ensure affordability across the Future Years Defense Program, and expects to be kept fully and currently informed of the many initiatives expected to spiral from SOFWERX. The committee also expects to be informed of how USSOCOM is sharing technological advances and lessons learned about incentivizing innovation across the Department. Therefore, the committee directs the Commander, U.S. Special Operations Command to provide a briefing to the House Committee on Armed Services by September 1, 2016, on SOFWERX and associated RDT&E efforts.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Items of Special Interest

Range capabilities for emerging advanced technologies

The committee recognizes that the Major Range and Test Facility Base (MRTFB) is a critical component to military technological superiority, and key to ensuring U.S. warfighting capability. This designated core set of Department of Defense Test and Evaluation (T&E) infrastructure, and its associated workforce, is a critical capability to be preserved in order to conduct necessary T&E analyses to support the Department’s acquisition process. The committee recognizes that the MRTFB must remain sized, operated, and maintained to preserve core,
governmental T&E capabilities, but should also be developed over time to meet future technology needs of the Department.

The committee is concerned that due to the increased need for protected airspace, as well as increasingly outmoded range technology, many test facilities are difficult to maintain. For example, the open-air test ranges of the MRTFB are not capable of supporting the full spectrum of development testing required for fifth and sixth generation weapon systems, including testing of hypersonic systems, which have been identified as critically important to the third offset strategy. These systems require significant increases in size of contiguous airspace availability, test tracking and data acquisition capabilities, and threat capabilities that exceed current ranges capabilities.

Across the military services, the gaps in range capabilities to meet evolving requirements are growing rapidly. The military services are under pressure to manage modernization of range capabilities to budgets that do not always account for changing technology needs to meet future requirements. Additionally, it is anticipated that the need for increased use of the MRTFB's ranges with large airspace footprints will continue to increase, to support realistic training environments critical to readiness of operational forces. This presents the ranges with growing scheduling capacity challenges, pitting priorities for operational readiness of today's forces against priorities of fielding new system capabilities required to sustain air dominance into the future.

Therefore, the committee directs the Director of the Test Resource Management Center (TMRC) to provide a briefing to the House Committee on Armed Services by March 1, 2017, on the results of a comprehensive assessment of MRTFB needs and investments to meet testing required for fifth and sixth generation aircraft and air armament, including hypersonic strike weapons. This assessment should include the projected requirements of operational forces and other users dependent upon these ranges. The briefing should also include the estimated costs to implement capabilities required to support current and projected future operations, and a plan for ensuring sufficient capacity through a MRTFB range investment plan. Additionally, the committee encourages the TRMC to use the results of this assessment to inform future budget certifications from the military departments and Department of Defense agencies.

TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

ITEMS OF SPECIAL INTEREST

Human Capital Plan for Business Transformation

The committee believes that business transformation will be increasingly important to the Department of Defense, especially as shrinking budgets and workforce reductions continue. Additional demands, like the growing
implementation of enterprise resource planning systems for financial and personnel management, as well as the deadlines to reach full financial auditability, further highlight the need to focus on business transformation, and to have a workforce with the right skill sets and experience to ensure that business transformation is successful. As the lead within the Department of Defense for these activities, these workforce needs are especially acute for the Deputy Chief Management Officer (DCMO).

The Government Accountability Office (GAO) has pointed out that the human capital needs for the Office of the DCMO are not completely defined, and that there appear to be gaps in the skill sets needed for that office to be effective. An earlier call to complete a gap analysis of the human capital needs to better understand what types of personnel are needed to manage and oversee business transformation efforts has not been completed. While there is expertise in business systems and process improvement, GAO found the Office of the DCMO lacking in people with strategic planning or performance management expertise. Continuing workforce reductions will not only impact the ability to conduct this sort of assessment, but also underline the needs to take a more focused look at the workforce in order to make strategic decisions about the limited number of people that office will be able to hire and retain.

Therefore, the committee directs the Department of Defense Deputy Chief Management Officer to complete a gap analysis of the human capital needs of the Office of the DCMO, taking into account the merger of the positions of Chief Information Officer and DCMO as directed by section 901 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015 (Public Law 113-291), and to provide a briefing to the House Committee on Armed Services by March 1, 2017, on the results of the analysis.

TITLE X—GENERAL PROVISIONS

ITEMS OF SPECIAL INTEREST

OTHER MATTERS

Comptroller General Assessment of Deployable Identity Management Forensics Capability

The committee notes that the Department of Defense has used biometrics and forensics to successfully identify, target, and disrupt terrorists and enemy combatants in the Republic of Iraq and the Islamic Republic of Afghanistan. Expeditionary forensic laboratories have deployed in theater to quickly exploit evidence collected from the battlefield, resulting in the capture and prosecution of enemy combatants. Many of the Department’s expeditionary biometrics and forensics capabilities were resourced through the Department’s Overseas Contingency Operations funding. The committee notes that the Department has
taken steps to establish expeditionary biometrics and forensics as enduring capabilities in the base budget; however, these funding levels may not be adequate to sustain current and future validated mission requirements.

Therefore, the committee directs the Comptroller General of the United States to assess the Department’s process for determining and validating its future expeditionary biometrics and forensics requirements, as well as actions the Department has taken to ensure that its expeditionary biometrics and forensics capabilities, including materiel solutions, trained personnel, and funding, are available to meet current and future requirements. The committee further directs the Comptroller General to provide a briefing to the House Armed Services Committee by March 1, 2017, on the Comptroller General’s preliminary findings with a report to follow on a date agreed to at the time of the briefing.

Department of Defense Strategy for Countering Unconventional Warfare

Section 1097 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92) directed the Department of Defense to develop a strategy to counter unconventional warfare threats posed by adversarial state and non-state actors. Section 1097 further directed the Secretary of Defense and the Chairman of the Joint Chiefs of Staff to coordinate this strategy with the heads of other appropriate departments and agencies of the U.S. Government. The Secretary is required to submit this strategy to the congressional defense committees not later than 180 days after the date of the enactment of Public Law 114-92.

The committee remains concerned about the growing unconventional warfare capabilities and threats being posed most notably and recently by the Russian Federation and the Islamic Republic of Iran. The committee notes that unconventional warfare is defined most accurately as those activities conducted to enable a resistance movement or insurgency to coerce, disrupt, or overthrow a government or occupying power by operating through or with an underground, auxiliary, or guerrilla force in a denied area. The committee also notes that most state-sponsors of unconventional warfare, such as Russia and Iran, have doctrinally linked conventional warfare, economic warfare, cyber warfare, information operations, intelligence operations, and other activities seamlessly in an effort to undermine U.S. national security objectives and the objectives of U.S. allies alike.

The committee also notes that the Department of Defense may require additional time to fully and properly coordinate the strategy, as directed by section 1097, with the heads of other appropriate departments and agencies of the U.S. Government. Given the importance of this coordination and the interagency aspects of an effective strategy for countering unconventional warfare threats, the committee expects frequent and periodic progress updates by the Department should an extension be required for interagency coordination and the development and delivery of this strategy. Therefore, the committee directs the Secretary of Defense to provide an update to the Committees on Armed Services of the Senate and the House of Representatives by May 23, 2016, on the completion of the
strategy for countering unconventional warfare threats required by section 1097 of Public Law 114-92.

Wassenaar Arrangement Impacts to the Department of Defense

The committee understands the Wassenaar Arrangement on Export Controls for Conventional Arms and Dual-Use Goods and Technologies prevents destabilizing accumulations of covered goods and technologies, and seeks to prevent acquisition of such items by terrorists. Covered technologies and goods subject to the Wassenaar Arrangement impact items which have both military and civilian applications. For example, controls for software, hardware, and technology that operate, deliver, or communicate with intrusion software added to the list of dual-use technologies in 2013 include a number of products regularly used for cyber security research and defense. The committee believes restricting export of these technologies may negatively impact use of such products for national security purposes. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by March 1, 2017, on the impact of the Wassenaar Agreement to Department of Defense applications, including efforts to support alliance partners or otherwise build partner capacity with friendly nations.

TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

ITEMS OF SPECIAL INTEREST

Countering Adversarial Messaging

The committee remains concerned about the success of the Islamic State of Iraq and the Levant (ISIL) messaging and propaganda, and their ability to persuade, inspire, and recruit from across the globe. ISIL's continued success on the battlefield depends on this messaging, and the group's propaganda attracts recruits and other support that enables it to persist. Consequently, the committee believes that the campaign to degrade and defeat ISIL on the battlefield must be linked with a comparable effort to degrade and defeat ISIL's message in the minds of potential supporters. The committee recognizes that other extremist groups have taken note of ISIL's success and are expanding their messaging operations, particularly in social media.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by March 17, 2017, on the Department of Defense's long-term strategy to counter adversarial messaging and recruiting utilizing digital technologies, including social media. The briefing should address the following questions:

(1) What are the Department's roles, responsibilities, and rules of engagement when it comes to countering adversarial messaging?
(2) What is the Department’s integrated strategy to counter online radicalization and recruitment?
(3) What measures of effectiveness exist to inform outcomes?
(4) What analytical data points have already been collected to compare our capabilities to those of our adversaries?
(5) What policies, regulations, or other guidance need to be updated or modified to improve the Department’s ability to execute an integrated strategy?

Reporting Requirements of Authority for Support of Special Operations to Combat Terrorism

The committee notes the importance of the Authority for Support of Special Operations to Combat Terrorism, as provided in section 1208 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375), as most recently amended by section 1274 of the National Defense Authorization Act for Fiscal Year 2016 (Public Law 114-92). The committee directs the Secretary of Defense to notify the congressional defense committees of funding changes to programs executed under this authority when such a proposed increase exceeds 20 percent of the currently approved total for that particular program, or $1.0 million; whichever amount is less.

Social Media Analytics and Publicly Available Information Supporting Battlespace Awareness

The committee remains concerned with the Department of Defense’s ability to effectively monitor and utilize social media analytic tools to support awareness of the operating environment for force protection, operational security, and other missions. The committee believes that the lack of clearly defined policies is hampering the ability to use such Publicly Available Information (PAI) to understand adversarial sentiment and narrative messaging in theaters of active hostilities, as well as monitoring for non- and semi-permissive environments, and areas of potential future activity. While there are some technology capabilities that currently exist that could support these activities, including many that can be leveraged from the commercial sector, the committee believes that the Department of Defense is not effectively leveraging these tools because of a fundamental lack of policy, doctrine, and procedures that delineate how such tools might be used. In the lack of such guidance, the committee believes that the Department is abdicating this space to adversaries that have no compunction to limit their actions, and in fact actively exploit it to achieve their strategic goals of recruitment, fundraising, and strategic messaging.

The committee notes that PAI use and exploitation is having a revolutionary impact on both operations and intelligence within the Department. Further, the committee recognizes that while intelligence activities have important uses for PAI, the Department also has unique operational uses and requirements for PAI that support force protection, targeting, battlespace awareness, and other
traditional military activities. As a result, the demand signal for the operational use of PAI has increased across the force.

Therefore, the committee directs the Secretary of Defense to conduct an assessment of the current policy directives on how defense entities use such social media tools, and to provide a briefing on this assessment to the House Committee on Armed Services by February 15, 2017. This assessment should examine the demand for such capabilities from the combatant commanders to identify any gaps or areas needing clarification in policy, doctrine, training, and technology capabilities. In conducting this assessment, the Secretary should consider operational missions for social media analytics, such as battlespace awareness, operational security, and sentiment analysis for counter-messaging adversarial narratives and the operational use of PAI. The assessment should also include a discussion of legal and policy issues associated with the use of PAI, as well as resource limitations, approval processes, training requirements, and steps being taken to improve coordination of effort and leverage best practices and capabilities across the Department. Finally, the Secretary should report on how to continue and enhance capabilities to ensure U.S. persons’ PAI is not inadvertently viewed, as well as methods for addressing inadvertent viewing while in enemy battlespace.

Strategy for Regional Counter-Narrative Capabilities

The committee remains concerned with the success of Islamic State of Iraq and the Levant’s (ISIL) messaging and propaganda, and ISIL’s ability to persuade, inspire, and recruit from across the globe. ISIL’s continued success on the battlefield depends on this messaging, and the group’s propaganda attracts recruits and other support that enables the organization to persist. Consequently, the committee believes that the campaign to degrade and defeat ISIL on the battlefield must be mated with a comparable effort to degrade and defeat ISIL’s message in the minds of potential supporters.

The committee is also aware that Russian actors have been highly effective in shaping the information environment against Ukrainian forces, as well as against other actors in the region seeking to counter Russian influence. The ambiguity that these information operations create has been critical in the hybrid and unconventional warfare strategy of Russian forces, and have effectively masked, created confusion, or otherwise undermined timely reactions from Western and allied forces.

Not only does the Department need to consider how adversaries use such information strategies to support their operations and undermine our own, but the committee believes that the Department should be developing an integrated strategy that can leverage, and when necessary combine with, allied and partner capabilities to maximize our messaging and its broader effects. The committee also believes that there are useful technologies, training, and strategies that U.S. forces could use to support allied, and international, partner information operations.
capabilities to mitigate and marginalize adversaries' ability to influence and inspire.

Therefore, the committee directs the Secretary of Defense to develop and submit a strategy for regionally building partnership capacity to the House Committee on Armed Services by June 1, 2017. This strategy should look at means for monitoring, data collection of narratives, and development of networks for countering narratives to support the missions of the combatant commands. Additionally, this strategy should outline how to leverage existing partnership funds to support regional cooperation, as well as prioritize the types of capacity building that could take place, and the regional partners that are most mature to conduct this kind of capacity building.

TITLE XVI—STRATEGIC PROGRAMS, CYBER, AND INTELLIGENCE MATTERS

ITEMS OF SPECIAL INTEREST

Assessment of Department of Defense Efforts to Secure Internet of Things

The proliferation of embedded computing systems within the Department of Defense has provided significant capabilities that have enabled battlefield superiority, created realistic training environments, facilitated the tracking of supplies and equipment, improved health care provided to wounded soldiers, and provided common operating pictures to support command and control decisions. However, as these and future capabilities become more connected to the Internet, the success, security, and resilience of the Department's missions, personnel, and capabilities could become jeopardized. For example, the same systems that allow commanders to provide command and control or have situational awareness of troop movement from remote locations could be used by enemies or other bad actors to identify, track, and even misdirect U.S. and allied forces. Further, while the Department tries to mitigate Internet-based threats that could emanate from or use Department of Defense networks, the Department may remain vulnerable based on the reliance on non-defense networks, such as those from defense industrial base partners or allies. Those systems may collect and store critical information the Department is reliant on, and thus weaknesses in the security of those systems may have inadvertent impacts on Department of Defense data and networks.

Therefore, the committee directs the Comptroller General of the United States to assess the Department of Defense’s planning and management for the security impact and challenges that the Internet of Things will present to the Department. The committee directs the Comptroller General to provide a report on the findings to the Committees on Armed Services of the Senate and the House of Representatives. The Comptroller General should provide a briefing on preliminary results to the House Committee on Armed Services by March 1, 2017, with the
report to follow on a date agreed to at the time of the briefing. The assessment should address the following:

(1) To what extent does the Department have situational awareness of the extent to which its current capabilities are exposed to Internet-based threats and the vulnerabilities that could result; and what actions, if any, is the Department taking to mitigate these threats?

(2) To what extent does the Department have policies and plans in place to monitor, track, report, and manage incidents where the Department’s Internet-based capabilities are accessed or manipulated?

(3) To what extent has the Department taken action to manage the security of Internet-based capabilities being procured by Department of Defense components?

(4) Any other matters the Comptroller General determines are relevant.

Cloud Access Points

The committee remains supportive of enabling the adoption of cloud computing throughout the Department of Defense in order to realize cost savings and efficiency, as well as increased agility and security. The committee recognizes that the Department must develop the necessary security requirements to ensure that sensitive missions and data are protected from evolving cyber threats. However, the committee is concerned that the current Department approach to protecting the Department of Defense Information Network from outside intrusions through the Cloud Access Point (CAP), for data classified as Information Impact Level 4 and above, may impede the adoption of cloud-based commercial solutions due to inadequate implementation of the CAP to date. This approach may also impede the limitations the current CAP model places on the Department’s ability to scale with commercial cloud service providers.

In order to move forward with the adoption of cloud computing, the committee believes the Department should implement the current CAP iteration to allow the movement of eligible data to the Federal Risk and Authorization Management Program accredited commercial cloud providers in the short-term. The Department should also consider developing a strategy for the development and implementation of a more capable CAP program that enables greater adoption of commercial cloud, while also evolving with cybersecurity threats.

Therefore, the committee directs the Department of Defense Chief Information Officer to provide a briefing to the House Committee on Armed Services, not later than December 1, 2016, with an update on the status of the implementation of the current CAP program. The briefing should include the identification of near-term steps necessary to implement the current CAP program goals and objectives, in addition to long-term goals and requirements to evolve and improve the CAP program. Finally, the briefing should also include emerging standards and practices to address intrusion detection and institute appropriate firewalls on any defense network utilizing the CAP program.
Comptroller General Assessment of the Management and Measurement of Cyber Activities

The committee notes that the Department of Defense’s primary cybersecurity mission is to defend its own networks, systems, and information, and if the Department’s systems are not dependable in the face of cyber warfare, all other missions are at risk. The committee is aware that a cyber incident could have significant impact on the Department, including loss of confidence in national security, loss of national security or personal identifiable information, and the inability to conduct military operations.

The committee recognizes that it is imperative that Department leaders, commanders, and supervisors at all levels implement cybersecurity discipline, enforce accountability, manage the shared risk to all Department missions, and take action as soon as possible, because a weakness in one part of the Department’s network is a vulnerability and potential back door to other parts of the network. Recently, senior Department leaders have issued important cybersecurity guidance to help manage and focus cybersecurity efforts. Among these are a revised Department Cyber Strategy, a Cybersecurity Campaign memo, cybersecurity execute orders, a Department Cybersecurity Scorecard, and Cybersecurity Discipline Implementation Plan.

The committee also recognizes that it has been 6 years since U.S. Cyber Command became fully operational, and that the effectiveness of the dual-hat relationship between the director of the National Security Agency and the commander of United States Cyber Command has been a matter of concern. The committee believes that the right balance of effective management, tone established at the top, and Department-wide commitment to defense cybersecurity matters is vital to ensuring success in the Department’s cyber efforts. Prior assessments by the Government Accountability Office (GAO) have highlighted management weaknesses across the Department, and made recommendations that could improve the Department’s cybersecurity posture.

Therefore, the committee directs the Comptroller General of the United States to assess the Department of Defense’s management and measurement of progress in protecting its own networks, systems, and information, and to provide a report on the findings to the Committees on Armed Services of the Senate and the House of Representatives by April 15, 2017. The assessment should address the following:

(1) What are the benefits and drawbacks of maintaining a dual-hat relationship between the director of the National Security Agency and the commander of U.S. Cyber Command, and how is the Defense Department measuring the performance of this relationship?

(2) To what extent has the Department made progress in implementing key cybersecurity guidance, such as the Defense Cyber Strategy, the Cybersecurity Campaign, and the Cybersecurity Scorecard?
To what extent has the Department implemented recommendations from GAO assessments of the Department’s management of cybersecurity issues?

Any other matters the Comptroller General determines are relevant.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services by March 1, 2017, on the Comptroller General’s preliminary findings.

Cyber Training Equivalency

The committee is aware that the Department of Defense is in the process of rapidly expanding the cyber workforce in order to man the 133 teams of the cyber mission force. As articulated by the Commander of U.S. Cyber Command, the committee recognizes that a significant bottleneck in that process is the training pipeline. The committee believes that the Department should be looking for opportunities to help diversify the training pathways available to all members of the cyber mission team workforce, in order to more quickly and efficiently bring team members up to operational capacity. The committee believes that diversification can take many forms, such as utilization of Reserve Officer Training Corps courses, military academies, public-private partnerships with universities and other training providers, and senior leader military academies. The committee also believes that to make those other training pathways effective, the Department needs to have a robust process for determining equivalency, so that it is clear when those other avenues can be used to meet the currently defined joint training standard. The committee is concerned that the immaturity of that equivalency process may be further slowing up the training pipeline.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by January 30, 2017, on the training equivalency process for the Department. This briefing should address how the Department makes recommendations on equivalency for members of the active and reserve components, as well as for civilian team members. Specifically, this briefing should include:

1. What is the decision making chain for making equivalency decisions?
2. How does the Department communicate standardized courses that are eligible for equivalency?
3. When equivalency is denied, what is the feedback loop to communicate those decisions back to affected personnel?
4. What is the process for remediation for service members to determine what actions might be taken to gain equivalency certification?

Host Based Security System Best Practices

The committee is aware that the Host Based Security System (HBSS) has become an increasingly effective tool to manage the cyber defense of the Department of Defense. HBSS is a capability that monitors, detects, and counters
known cyber threats to the Department, and includes commercially available intrusion detection and firewall capabilities.

The committee notes that in recent cyber exercises conducted by United States Cyber Command, HBSS has been the primary warfighting system for cyber defenders. However, the committee is also aware from after action reviews and discussions with senior leaders from the military departments and Cyber Command, that the results from the various teams are uneven, in terms of how well they employ HBSS in these exercises. While some variation in learning and execution can be useful, the committee believes that the military services should be learning and implementing best practices to improve how HBSS is used.

Therefore, the committee directs the Department of Defense Chief Information Officer, in coordination with the military departments and the Defense Information Systems Agency, to provide a briefing to the House Committee on Armed Services by August 1, 2017, on the best practices and lessons learned for use and configuration for the Host Based Security System. This briefing should include:

1. Recommendations for configurations or implementations that have proven successful in recent training exercises where HBSS is used, as well as from real-world operational experiences with HBSS;
2. Identification of opportunities to better leverage capabilities inherent in the current technology solution, such as digital rights management, including scenario development for how such tools might be used in future exercises; and
3. Identification of gaps from the operational community that might be found in other commercially available tools that could potentially be integrated into future generations of HBSS or follow-on programs.

Information Assurance of Joint Test and Evaluation Activities

The committee recognizes that information assurance policies continue to be disjointed, often redundant, and overly complex and cumbersome. That problem is highlighted by how those challenges manifest in the joint test and evaluation (T&E) community. As noted elsewhere in this report, joint programs can be especially complex, and thus substantially more difficult to manage. When network information assurance policies from the various military departments are included in that mix, it often results in unnecessary program delays and bureaucratic red tape. The lack of clear guidance or reciprocity for information assurance policies is a significant factor in this problem.

Therefore, the committee directs the Under Secretary of Defense for Acquisition, Technology, and Logistics, in coordination with the Department of Defense Chief Management Officer, to provide a briefing to the House Committee on Armed Services by January 13, 2017, assessing the policies and processes for coordinating information assurance policies on test and evaluation facilities when conducting joint or multiservice T&E activities. The briefing should also make recommendations for improving reciprocity or prioritization of interagency policies related to T&E facilities when conducting joint or multiservice activities.
Insider Threat Capabilities for the Joint Information Environment

The committee is aware that the Department of Defense is continuing to implement an initiative known as the Joint Information Environment (JIE) that is intended to streamline, standardize, and modernize the information network of the Department and the military services. A key part of the strategy to implement JIE is development of a single security architecture that will improve network monitoring and defense of the JIE.

The committee notes that the primary focus of network monitoring and defense has been on external threats to the network. However, the committee is concerned about the threat from insiders, as well as the ability for adversaries to move laterally within a network once they have penetrated barrier defenses. Historically, the tools used to monitor those exterior threats do not provide good defenses against insiders or lateral movements within a network. Where the Department has been focused on insider threats, the committee is concerned that those recommendations have been focused on procedural changes that are not connected to the capabilities, or the capability needs, for network tools and digital rights management.

Therefore, the committee directs the Department of Defense Chief Information Officer, in coordination with the Director of the Defense Information Systems Agency, to provide a briefing to the House Committee on Armed Services by December 1, 2016, on how insider threat capabilities are planned to be integrated into the JIE. This briefing should address those tools currently planned for incorporation, like digital rights management, as well as identification of any gaps in the architecture where commercial tools for insider threat monitoring might be included into JIE, or into upgrades to key enabling capabilities like the Joint Regional Security Stacks or the Host Based Security System.

Strategic Plan for the Defense Insider Threat Management and Analysis Center

The committee is aware that the Department of Defense established the Defense Insider Threat Management Analysis Center (DITMAC) in order to consolidate and analyze specified defense reporting of potentially adverse information, to include potential insider threat information. Specifically, the DITMAC has the following missions:

(1) Oversee the mitigation of insider threats to defense personnel, infrastructure, and essential national security information resident on defense facilities or networks;
(2) Develop risk thresholds and standards for actions, and compile results to evaluate those actions on threats that insiders may pose to their colleagues, defense missions, and resources;
(3) Establish standards to ensure the Department's Insider Threat Program is compliant with applicable executive orders and regulations;
(4) Fulfill certain requirements of national insider threat policy and minimum standards; and
(5) Promote collaboration and information sharing on insider threats to
defense personnel and facilities.

While the DITMAC is a relatively new capability that is still scaling up to
cconduct its defined missions, the need for a robust insider threat capability is
important and will continue to grow in the future. Additionally, with the
Department’s new responsibilities for developing and sustaining the information
technology resources related to personnel security clearances, the DITMAC has the
potential to support that mission area as well.

Therefore, the committee directs the Director of the Defense Security
Services to develop and submit a strategic plan for the DITMAC to the
congressional defense committees and the congressional intelligence committees,
not later than June 1, 2017. This strategic plan should address the needed technical
capabilities, such as digital rights management, as well as updated policies, and
workforce considerations to adequately execute its missions, and a concept of
operations for how the DITMAC might scale if needed to support the personnel
security clearance analysis needs of the Department.