

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |   |
|--|---|
| <b>Appropriation/Budget Activity</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 5: System Development &amp; Demonstration (SDD)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z I <i>Joint Tactical Information Distribution System (JTIDS)</i> |
|--|---|

| COST (\$ in Millions)  | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element  | 223.607     | 49.458  | 21.292  | 9.120        | -           | 9.120         | 9.025   | 9.188   | 9.170   | 9.166   | Continuing       | Continuing |
| <i>771: Link-16 Tactical Data Link (TDL) Transformation</i>                                  | 153.972     | 17.658  | 21.292  | 9.120        | -           | 9.120         | 9.025   | 9.188   | 9.170   | 9.166   | Continuing       | Continuing |
| <i>105: Cyber Capability &amp; Platform Resilience</i>                                       | 56.864      | 20.037  | -       | -            | -           | -             | -       | -       | -       | -       | -                | -          |
| <i>028: Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> | 12.771      | 11.763  | -       | -            | -           | -             | -       | -       | -       | -       | -                | -          |

**Note**

New Start (Y/N): No

**A. Mission Description and Budget Item Justification**

This program supports the Department's initiatives to Defend the Homeland, Provide Nuclear Deterrence, and Build Sustainable and Long-Term Advantage.

This program provides in-depth technical, engineering, integration support, and system of system analysis for space, missile defense, cyber, C4ISR, NC3, and nuclear delivery system modernization program portfolio management.

- Command, Control, Communications, Computers and Intelligence, Surveillance, and Reconnaissance: Develop and maintain a roadmap to improve data link interoperability, data link waveform standards, and global enterprise capabilities, enabling resilient, survivable, federated networks.
- Nuclear Forces (Nuclear Command, Control, and Communications (NC3)): Execute NC3 Enterprise Capability Portfolio Management on behalf of the Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)).

**UNCLASSIFIED**

|   |                         |
|---|-------------------------|
| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2023 Office of the Secretary Of Defense | <b>Date:</b> April 2022 |
|---|-------------------------|

|  |   |
|--|---|
| <b>Appropriation/Budget Activity</b><br>0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 5: System Development &amp; Demonstration (SDD)</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z I <i>Joint Tactical Information Distribution System (JTIDS)</i> |
|--|---|

| <b>B. Program Change Summary (\$ in Millions)</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023 Base</b> | <b>FY 2023 OCO</b> | <b>FY 2023 Total</b> |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget                       | 51.284         | 9.345          | 0.000               | -                  | 0.000                |
| Current President's Budget                        | 49.458         | 21.292         | 9.120               | -                  | 9.120                |
| Total Adjustments                                 | -1.826         | 11.947         | 9.120               | -                  | 9.120                |
| • Congressional General Reductions                | -              | -0.053         |                     |                    |                      |
| • Congressional Directed Reductions               | -              | -              |                     |                    |                      |
| • Congressional Rescissions                       | -              | -              |                     |                    |                      |
| • Congressional Adds                              | -              | 12.000         |                     |                    |                      |
| • Congressional Directed Transfers                | -              | -              |                     |                    |                      |
| • Reprogrammings                                  | -              | -              |                     |                    |                      |
| • SBIR/STTR Transfer                              | -1.826         | -              |                     |                    |                      |
| • Adjustments to Budget Year                      | -              | -              | 9.120               | -                  | 9.120                |

**Change Summary Explanation**

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |  |   |
|--|--|---|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / Joint Tactical Information Distribution System (JTIDS) | <b>Project (Number/Name)</b><br>771 / Link-16 Tactical Data Link (TDL) Transformation |
|--|--|---|

| COST (\$ in Millions)                                       | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| <i>771: Link-16 Tactical Data Link (TDL) Transformation</i> | 153.972     | 17.658  | 21.292  | 9.120        | -           | 9.120         | 9.025   | 9.188   | 9.170   | 9.166   | Continuing       | Continuing |
| Quantity of RDT&E Articles                                  | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       |                  |            |

**A. Mission Description and Budget Item Justification**

Provide in-depth technical, engineering, integration support, and system of system analysis for space, missile defense, cyber, C4ISR, NC3, and nuclear delivery system modernization program portfolio management.

- Command, Control, Communications, Computers and Intelligence, Surveillance, and Reconnaissance: Develop and maintain a roadmap to improve data link interoperability, data link waveform standards, and global enterprise capabilities, enabling resilient, survivable federated networks.
- Nuclear Forces (Nuclear Command, Control, and Communications (NC3)): Execute NC3 Enterprise Capability Portfolio Management on behalf of the Under Secretary of Defense for Acquisition & Sustainment (USD(A&S)).

**B. Accomplishments/Planned Programs (\$ in Millions)**

|  | FY 2021 | FY 2022 | FY 2023 |
|--|---------|---------|---------|
| <b>Title:</b> Common Joint Tactical Information Initiatives  | 17.658  | 21.292  | 9.120   |
| <p><b>Description:</b> FY 2021 Accomplishments:</p> <p>C4ISR:</p> <ul style="list-style-type: none"> <li>- As OUSD(A&amp;S) Principal Staff Assistant for Common Data Link (CDL), assessed CDL Modernization Policy compliance and conducted system performance analysis supporting development of the Joint Staff DJ6-signed CDL Joint Vision and Roadmap.</li> <li>- Developed and oversaw execution of Department-wide acquisition strategy for Airborne Intelligence, Surveillance, and Reconnaissance (AISR) systems that resulted in increased AISR data sharing between unified combatant commands and coalition partners.</li> <li>- Advised multi-agency technical feasibility study and operational impact assessment for retuning and replacing legacy air route surveillance radars to support auction of Federal spectrum for non-Federal use as required by the Spectrum Pipeline Act of 2015.</li> <li>- Developed Department-wide strategy to accelerate development and fielding of 5G-compatible weapon systems and revised acquisition policy to consider 5G principles.</li> <li>- As co-chair of the Command, Control, and Communication Leadership Board (C3LB) governance council, performed oversight and cross-Service coordination of Tactical Data Link (TDL) modernization acquisitions to improve DoD system interoperability.</li> <li>- Tracked and assessed testing of Link 16 capability improvements to multiple military platforms. Supported JS J6 efforts to prioritize fielding of tactical radio replacements to address cryptographic modernization issues.</li> <li>- Performed portfolio management of Joint Command and Control (C2) acquisitions. Identified multi-Service programmatic disconnects for air operations planning capabilities; engaged with joint community to develop resolution courses of action.</li> </ul> |         |         |         |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

**B. Accomplishments/Planned Programs (\$ in Millions)**

|  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|----------------|
| <p>- Co-led study with DoD CIO to identify current Joint C2 programs which must endure until integrated into, or replaced by a future a Joint All-Domain C2 (JADC2) capability.</p> <p>- Collaborated with DoD and Intelligence Community acquisitions and oversight staff to identify agile development lessons learned, best practices, and best-of-breed tools and metrics to improve performance forecasting and insight for stakeholders, oversight, and project managers.</p> <p>- Supported OUSD(A&amp;S) International Cooperation activities, including the US-France Communications Interoperability Working Group. Coordinated multiple Yockey waivers, DoD Advocacy Requests, and international policies.</p> <p>NC3:</p> <p>- Conducted NC3 enterprise assessments in the critical areas of Presidential Voice Conferencing, NC3 Early Warning, and NC3 High Frequency modernization. Implementing key findings aimed at producing a more resilient NC3 capable system.</p> <p>- Supported the NC3 Capability Portfolio Manager (CPM) with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group, SECDEF Nuclear Transition Review, etc.) and recommend investment and policy alternatives. Draft NC3 program protection planning policy, NC3 cybersecurity systems engineering standards, modernization assessments, sustainment assessments.</p> <p>- Conducted NC3 mission thread analysis on B-52H systems to identify schedule risk and integration challenges relating to the Force Direction mission essential function of the bomber force in executing OPLANs.</p> <p>Strategic Deterrence:</p> <p>- Supported the recapitalization of the nation's nuclear deterrent, drove risk reduction in nuclear delivery system modernization programs, enhanced sustainment of existing legacy nuclear capabilities, and began developing the Nuclear Posture Review.</p> <p><b>FY 2022 Plans:</b></p> <p>- Common Data Link (CDL) Capability Portfolio Management (CPM): Continue to execute USD(A&amp;S) roles as Principal Staff Assistant (PSA) for CDL. Work with DoD Components to maintain currency of the CDL technology roadmap and terminal database to prioritize commonality, open architecture, and non-proprietary systems for current and emerging platform, sensor, and weapons ISR data transport requirements. Conduct annual CDL enterprise modernization analysis and review Service PPBE submissions to assess enterprise migration off To Be Sunset (CDL-TBD) waveforms by 2023.</p> <p>- Intelligence, Surveillance, and Reconnaissance Data Transport and Task, Process, Exploit and Disseminate Intelligence Information: Technical Support as the co-lead with USD(I) to modernize and migrate the DoD Distributed Common Ground family of systems to an enterprise capability through four lines of effort 1) migrating long-term to a cross-component DCGS enterprise cloud solution; 2) utilizing the DI2E framework to establish a common DCGS data fabric; 3) advancing cyber security/accreditation reciprocity; and 4) developing a shared concept for how we will jointly operate to meet the objectives of the NDS.</p> |                |                |                |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

**B. Accomplishments/Planned Programs (\$ in Millions)**

|   | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|---|----------------|----------------|----------------|
| <p>- Command, Control, and Communications Leadership Board (C3LB): As a Tri-Chair, provide strategic planning, prioritization, policy execution, resource review, and effective capability management and oversight of DoD C3 and Electromagnetic Spectrum (EMS) initiatives. Accelerate and synchronize fielding of modernized networking solutions across the joint force with the objective of establishing priorities and strategies that enable implementation across the DoD C3 and EMS enterprises. As part of C3LB governance structure, engage subordinate Senior Steering Groups on relevant matters: SATCOM Systems Engineering Group (SSEG), Tactical Communications Senior Steering Group (TCSSG), Electromagnetic Spectrum Senior Steering Group (EMS SSG), and Public Safety Communications Senior Steering Group (PSC SSG).</p> <p>- Joint Tactical Networking Center (JTNC): Provide technical and programmatic analysis to support DoD's rapid identification, characterization, procurement, fielding, and sustainment of modular, innovative tactical communications products that ensure secure, interoperable, and resilient C4ISR capabilities. Develop, with D/CIO and J6, robust waveform repository providing programmatic technical guidance to the JTNC. Continue to enhance Link-16 and other waveforms by active engagement and leadership at the Joint Datalink Acquisition Working Group". Provide product support in CDL and Link-16 Crypto Modernization working with Service EAs and NSA. JTNC will continue to execute core priorities including: support for JADC2; chair of Communication Technology and Waveform Working Group (CTWWG) under the C3LB/TCSSG governance structure; Lead Service support with respect to key waveforms to comply with Deputy Secretary of Defense tasking; facilitating government and industry stakeholder interaction with Joint Communications Marketplace; Waveform Capability Characterization; HF Modernization support; Modular Radio Architecture efforts; and maintaining the DoD Information Repository operating environment.</p> <p>- Integrated Electromagnetic Spectrum Operations (EMSO): Implement integrated transport, radio communications, and Electronic Warfare(EW)/EMSO capability development to ensure NDS objectives for integrated Spectrum operations and capabilities are met. Provide acquisition support to the Department's 5G strategy</p> <p>- Spectrum: Provide executive guidance, technical expertise, and acquisition support for the Spectrum Efficient National Air Surveillance Radar (SENSR) system. In FY 2022 SENSR milestones will include work specific to risk reduction efforts and the development and refinement of Implementation and Transition Plans. Integrate results from Institute for Defense Analyses (IDA) radar supply chain study into spectrum relocation efforts, updating plans as necessary. Continue work with the NDIA to engage industry on the development of spectrum sharing capability, regulations, and policies. Track and monitor spectrum conflict status between DoD, industry, and spectrum controlling bodies while promoting optimal use of spectrum for 5G through NDIA working group as well as through the DoD 5G test beds. Facilitate the transition for 5G solutions, that are part of DoD 5G Strategy, to the services, to be developed and tested through the DoD 5G test beds. Conducts interaction with industry and countries to support mutual interests in 5G innovation and enhancing security measures to ensure availability, security, and reliability of the 5G supply chain. OUSD(A&amp;S) seeks opportunities to inject 5G technologies into acquisition programs and takes advantage of smart warehousing and other 5G-enabled capabilities in DoD's sustainment systems.</p> <p>- Tactical Datalink: Implement the TDL Roadmap using the JTWG as a coordination group to transition to TDL LPD/LPI waveforms as required by the Deputy Secretary of Defense (DEPSECDEF) Memorandum "Enhancing DoD's Joint Tactical Networks and Datalink Modernization." Synchronize service acquisition strategies to gain synergistic efficiencies and maintain</p> |                |                |                |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

**B. Accomplishments/Planned Programs (\$ in Millions)**

|   | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|---|----------------|----------------|----------------|
| <p>interoperability between the services, allies, and partner nations. Continue to track and assess capability improvements in Multi-function Information Distribution System (MIDS) and F-35 Communications, Navigation &amp; Identification (CNI) terminals, emerging 6th Gen aircraft and Weapons Data Link (WDL) concepts. Continue support of international efforts including US France CIWG and other efforts to support NDS Strengthen Alliances and Attract New Partners.</p> <ul style="list-style-type: none"> <li>- Execute the Joint C2 Acquisition Capability Portfolio Management strategy in support of reprogramming decisions within year of execution and future years program budget development. Evolve the Joint C2 Acquisition Portfolio to include and provide acquisition integration and synchronization for materiel solutions sponsored through Joint All Domain Command and Control (JADC2) efforts.</li> <li>- Provide technical expertise for Joint All Domain Command and Control (JADC2) Operations Planning Teams (OPT), provide coordination and AO support for reviews of JADC2 Reference Architecture, Data Integration, Budget and Campaign Plan products as they are developed to support critical cross-functional team timelines and deliverables.</li> <li>- Support AISR DT ITF initiatives to provide materiel and non-materiel solutions that meet Combatant Commander AISR DT requirements by developing/improving the capabilities of AISR platforms to enable/expand the download and/or relay of sensor information through DoD gateways to U.S. warfighters and U.S. allies in each of the geographic Combatant Commanders' theaters in support of humanitarian relief and contingency operations.</li> <li>- Engage in C4/Cyber and Battlespace Awareness FCBs to ensure C4ISR Directorate equities and interests are adequately addressed and to help inform the management of systems within the C4ISR portfolio.</li> <li>- International: Continue support to the A&amp;S International Cooperation on multiple efforts to support NDS Strengthen Alliances and Attract New Partners. Provide support to the US FR CIWG, the NGCC with the UK, and support for the multiple other minor efforts such as Yockey waivers, review of policy issues, and support for meetings.</li> <li>- Execute agile development practices within DoD and Intelligence Community software driven acquisitions, including program health check and program future performance forecasting methodologies and tools and lessons learned/best practices capabilities to provide insights and recommendations to project managers and stakeholders towards improving program execution performance and inform senior steering committee meetings.</li> <li>- Strategic Deterrence: Support the recapitalizing the nation's nuclear deterrent, driving risk reduction in nuclear modernization programs, enhancing sustainment of existing legacy nuclear capabilities, and implementing the Nuclear Posture Review.</li> <li>- Support DEPSECDEF Integrated Acquisition Portfolio Review implementation for NC3 to allow systems based processes that enable visibility of risks, dependencies, and opportunities at an enterprise level to optimize strategic insight, synchronization, coordination, and decision-making.</li> <li>- Support the NC3 Capability Portfolio Manager (CPM) with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group, the Secretary of Defense (SECDEF) Nuclear Transition Review, etc.) and recommend investment and policy alternatives. Update NC3 program protection planning policy, NC3 cybersecurity systems engineering standards, modernization assessments, and comprehensive NC3 portfolio assessments.</li> </ul> |                |                |                |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|----------------|
| <p>- Conduct NC3 mission thread analysis on Presidential Voice Conferencing systems to identify schedule risk and integration challenges relating to the Decision Making mission essential function supporting POTUS and senior advisor decision process.</p> <p><b>FY 2023 Plans:</b><br/>C4ISR:</p> <ul style="list-style-type: none"> <li>- Perform role as OUSD(A&amp;S) Principal Staff Assistant (PSA) for Common Data Link (CDL) by maintaining CDL technology roadmap and terminal database, conducting annual enterprise CDL analysis, and reviewing Service budget submissions for policy compliance.</li> <li>- Assist Services and combatant commands develop acquisition strategies to modernize their Distributed Common Ground System (DCGS) deployments in accordance with OUSD(I&amp;S) guidelines and NDS information sharing goals and objectives.</li> <li>- As a Co-Chair for the Command, Control, and Communications Leadership Board (C3LB), conduct strategic planning, prioritization, policy execution, resource review, and oversight of DoD C3 and Electromagnetic Spectrum (EMS) initiatives.</li> <li>- Perform governance management and oversight of the Joint Tactical Networking Center (JTNC) which support DoD's goal of rapid identification, characterization, procurement, fielding, and sustainment of modular, innovative tactical communications systems.</li> <li>- Provide acquisition support and expertise to integrated electromagnetic spectrum (EMS) operations to ensure capabilities are met through integrated electronic transport that remain unimpeded in contested and congested EMS environments.- Provide executive guidance, technical expertise, and acquisition support for the Spectrum Efficient National Air Surveillance Radar system to ensure a secure National Airspace System capable of supporting protection and defense of the homeland.</li> <li>- In support of the National Defense Strategy line of effort to build a more lethal force, develop accelerated 5G acquisition strategies and requirements that allow DoD to leverage and deploy 5G technologies at the speed of commercial industry.</li> <li>- Implement the Tactical Data Link (TDL) Capability Roadmap by synchronizing Department acquisition strategies to field next generation waveforms, gain efficiencies, and maintain interoperability between the Services, allies, and partner nations.</li> <li>- Promote Joint C2 program integration and synchronization across Components, Services, and Agencies, lead resolution of portfolio disconnects, and provide recommendations to OUSD(A&amp;S) leadership regarding Joint C2 reprogramming.</li> <li>- Provide acquisition expertise to advance Joint All Domain Command and Control (JADC2) Cross Functional Team (CFT) sponsored efforts to include document development, reviews, and major studies for acquisition and material development efforts.</li> <li>- Leverage artificial intelligence and machine learning to increase Airborne Intelligence, Surveillance, and Reconnaissance (AISR) data transport system capabilities and implement a network maintenance concept ensuring end-to-end operational availability.</li> <li>- Provide acquisition expertise to the Command, Control, Communications, and Computers (C4)/Cyber and Battlespace Awareness Functional Capabilities Boards (FCB) and perform acquisition portfolio management of Joint Requirements Oversight Council (JROC) approved C4ISR systems.</li> <li>- Continue support to OUSD(A&amp;S) International Cooperation activities in line with the National Defense Strategy to strengthen alliances and attract new partners. Continue coordination for Yockey waivers, DoD Advocacy Requests, and policy issues.</li> </ul> |                |                |                |

**UNCLASSIFIED**

|   |   |  |                |                |
|---|---|--|----------------|----------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense  |   | <b>Date:</b> April 2022  |                |                |
| <b>Appropriation/Budget Activity</b><br>0400 / 5  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   |   | <b>FY 2021</b>   | <b>FY 2022</b> | <b>FY 2023</b> |
| <p>- Continue collaboration with DoD and Intelligence Community acquisitions and oversight staff to refine agile development lessons learned, best practices, and best-of-breed tools and metrics into acquisition policy and guidance and implement across all DoD agile development programs.</p> <p>NC3:</p> <ul style="list-style-type: none"> <li>- Work with the Under Secretary of Defense Research and Engineering to develop Science and Technology Strategic Plans to develop next generation NC3 capabilities and to ensure a viable path exists to transition technology to new or existing acquisition programs.</li> <li>- Support the NC3 Capability Portfolio Manager (CPM) with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group, SECDEF Nuclear Transition Review, etc.) and recommend investment and policy alternatives. Update NC3 program protection planning policy, NC3 cybersecurity systems engineering standards, modernization assessments, and comprehensive NC3 portfolio assessments.</li> <li>- Conduct NC3 mission thread analysis on land and space based detection systems to identify schedule risk and capability gaps relating to the Situational Awareness mission essential function that allows prompt early warning to senior decision makers under nuclear scenarios.</li> </ul> <p>Strategic Deterrence:</p> <ul style="list-style-type: none"> <li>- Support the recapitalizing the nation's nuclear deterrent, driving risk reduction in nuclear modernization programs, enhancing sustainment of existing legacy nuclear capabilities, and implementing the Nuclear Posture Review.</li> </ul> <p>SMD:</p> <ul style="list-style-type: none"> <li>- Provide assessment of the technical challenges to developing/implementing protected tactical satellite communications (SATCOM) systems including identification of future limitations anticipated for operators and the interoperability between systems located at different orbits.</li> <li>- Support narrowband SATCOM Analysis of Alternatives (AoA) study and follow-on activities in order to inform leadership recommendations and determine future of narrowband SATCOM capabilities.</li> <li>- Support assessment of wideband SATCOM protected tactical topology for programs in development as well as being planned. Activities will include program assessments and enterprise analysis to inform portfolio resource investment decisions.</li> <li>- Engage in Force Protection and Battlespace Awareness Functional Capabilities Board (FCB) Working Groups, FCBs, and Joint Capabilities Boards to ensure Space and Missile Defense Directorate equities and interests are adequately addressed, with specific focus on the synergies/integration between the space and ground segments and associated command and control (C2); tracking, telemetry, and commanding (TT&amp;C); SATCOM, and other key data links.</li> </ul> <p><b><i>FY 2022 to FY 2023 Increase/Decrease Statement:</i></b></p> |   |  |                |                |

**UNCLASSIFIED**

|  |   |  |
|--|---|--|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|---|----------------|----------------|----------------|
| The decrease from FY 2022 to FY 2023 is due to this program element receiving a \$12M congressional add in FY 2022. |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 17.658         | 21.292         | 9.120          |

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

Utilize existing fixed-price and cost-plus contracts (where appropriate) to continue providing in-depth technical, engineering, integration support, and system of system analysis for space, missile defense, and C4ISR.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |   |  |
|--|---|--|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |
|--|---|--|

| <b>Management Services (\$ in Millions)</b>     |                        |                                |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item                              | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| Link-16 Tactical Data Link (TDL) Transformation | C/TBD                  | OUSD A&S DASD I&IPM : Pentagon | 153.972     | 17.658  | Jan 2021   | 21.292  | Jan 2021   | 9.120        | Jan 2021   | -           |            | 9.120         | Continuing       | Continuing | Continuing               |
| <b>Subtotal</b>                                 |                        |                                | 153.972     | 17.658  |            | 21.292  |            | 9.120        |            | -           |            | 9.120         | Continuing       | Continuing | N/A                      |

**Remarks**  
NA

|                            | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| <b>Project Cost Totals</b> | 153.972     | 17.658  | 21.292  | 9.120        | -           | 9.120         | Continuing       | Continuing | N/A                      |

**Remarks**  
Resources will be used to provide technical, systems engineering and acquisition management oversight of programs, projects and activities to maximize the Department's return on investment in information technology resources and to affect a comprehensive approach for assessing and procuring critical information systems from initial design, through development to capability delivery in support of improved weapons systems performance and military operations.

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |   |  |
|--|---|--|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |
|--|---|--|

| FY 2021 |   |   |   | FY 2022 |   |   |   | FY 2023 |   |   |   | FY 2024 |   |   |   | FY 2025 |   |   |   | FY 2026 |   |   |   | FY 2027 |   |   |   |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 |

|   |  |
|---|--|
| <b>Link-16 Comm Tactical Data Link (TDL) Transformation</b> |  |
|---|--|

|                 |  |
|-----------------|--|
| Contract Awards |  |
|-----------------|--|

**UNCLASSIFIED**

|   |   |  |
|---|---|--|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>0400 / 5  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>771 / <i>Link-16 Tactical Data Link (TDL) Transformation</i> |

Schedule Details

| Events by Sub Project  | Start   |      | End     |      |
|--|---------|------|---------|------|
|  | Quarter | Year | Quarter | Year |
| <b><i>Link-16 Comm Tactical Data Link (TDL) Transformation</i></b> |         |      |         |      |
| Contract Awards  | 1       | 2021 | 3       | 2022 |

**UNCLASSIFIED**

|  |                    |                |                |                     |   |                      |                |                |   |                         |                         |                   |
|--|--------------------|----------------|----------------|---------------------|---|----------------------|----------------|----------------|---|-------------------------|-------------------------|-------------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |                    |                |                |                     |   |                      |                |                |   | <b>Date:</b> April 2022 |                         |                   |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> |                      |                |                | <b>Project (Number/Name)</b><br>105 / <i>Cyber Capability &amp; Platform Resilience</i> |                         |                         |                   |
| <b>COST (\$ in Millions)</b>   | <b>Prior Years</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023 Base</b> | <b>FY 2023 OCO</b>  | <b>FY 2023 Total</b> | <b>FY 2024</b> | <b>FY 2025</b> | <b>FY 2026</b>  | <b>FY 2027</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> |
| 105: <i>Cyber Capability &amp; Platform Resilience</i>   | 56.864             | 20.037         | -              | -                   | -   | -                    | -              | -              | -   | -                       | -                       | -                 |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -   | -                    | -              | -              | -   | -                       | -                       | -                 |

**A. Mission Description and Budget Item Justification**

Provides resources for developmental acquisition support and portfolio management in support of three primary Goals in support of the Department of Defense (DoD) Cyber Strategy

- 1) Trained and Equipped Cyber Mission Force
- 2) Cyber Hardened Weapon Systems and Critical Infrastructure
- 3) Enhanced Defense Industrial Base (DIB) Cyber Security

The Office of the Undersecretary of Defense for Acquisition and Sustainment (OUSD(A&S)) conducts mission engineering for cyberspace operations to inform and support the development of Joint Cyber capabilities as the Department conceives, develops, and rapidly fields cyber capabilities for Cyberspace Operations. The newly established OUSD(A&S) Chief Information Security Office (CISO) was created to improve planning, coordination, synchronization, and integration of cyber activities and increase the DoD wide emphasis on reducing the cyber risk to critical DoD missions and enhancing DIB Cyber Security.

Funds provide technical, systems engineering, trend analysis, and portfolio management of programs, projects, and activities developing cyber capabilities to maximize the Department's return on investment of cyberspace resources and effect a comprehensive approach for assessing, procuring, and sustaining critical cyber capabilities and cyber resilient systems and platforms from initial design, through development to capability delivery in support of weapons systems performance and military operations.

Additionally, these funds will provide systems analyses, portfolio management, and executive support of Senior Cyber Leadership forums, enterprise wide systems engineering and operational impact analyses related to Cyber capabilities, enhancing cyber resilience within systems and platforms, and enhancing the cybersecurity of the DIB.

Resources will also be used to provide expertise required for exercising technical direction over design, performance, cost parameters, and determining and mitigating cyber risks of key systems and their dependencies. The goal of this funding is to assure capability advantage, reduce time to the field, evaluate projects and concepts, minimize cyber related performance and operational risk of developing and fielding complex systems, ensure program dependencies are documented and included in acquisition decisions, and address cyber security requirements, gaps, and required technical solutions.

**B. Accomplishments/Planned Programs (\$ in Millions)**

|  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|----------------|
| <b>Title:</b> Cyber Capability and Platform Resilience | 20.037         | 0.000          | -              |

**UNCLASSIFIED**

|  |   |   |
|--|---|---|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022   |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>105 / <i>Cyber Capability &amp; Platform Resilience</i> |

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023</b> |
|--|----------------|----------------|----------------|
| <p><b>Description:</b> FY 2021 Accomplishments:</p> <ul style="list-style-type: none"> <li>- Published the Cyber Invictus After Action Report which provided an assessment for U.S. Cyber Command (USCYBERCOM) on capability and capacity of the Cyber Protection Teams (CPT) during a global conflict. The Cyber Invictus assessment informed CDR USCYBERCOM's planning and decision making on the command relationships and organization of the Cyber Mission Force (CMF).</li> <li>- Completed the Mission Resilience I (MR I) wargame co-sponsored by U.S. European Command (USEUCOM) and U.S. Transportation Command (USTRANSCOM) focused on global logistics in support of a war plan. This included seven milestone events to inform the wargame's red campaign plan, blue force defense plans, risk to mission measurements, and two table top exercises (TTX) that included U.S. transportation agencies and DOD's commercial partners, as well as, key stakeholders throughout the DOD.</li> <li>- Transitioned the Cyber Resilience IV (CR IV) wargame recommendations to the Mission Focused Cyber Hardening Team (MFCHT), working with U.S. Indo-Pacific Command (USINDOPACOM), U.S. Space Command (USSPACECOM), and other key stakeholders.</li> <li>- Participated in the Joint All Domain Command and Control (JADC2) operational planning team (OPT) for the Joint Concept for Contested Logistics (JCCL) led by Joint Staff J4.</li> <li>- Completed the three (3) following DCRA's: 1) quick reaction DCRA at a USAF location in support of the SCP Pilots, 2) US Army/USTRANSCOM critical location, 3)USAF/USTRANSCOM critical system</li> <li>- Worked with CCMD and Service Mission owners developing recommended mitigations for risk identified during mission based cyber risk assessments.</li> <li>- Approved and published the DoD Instruction 5000.90.</li> <li>- Completed the Strategic Cybersecurity Program (SCP) pilot study of Ground Based Strategic Deterrent (GBSD) program and 9 case studies developed documenting acquisition cybersecurity best practices.</li> <li>- Completed the SCP pilot study of cybersecurity of DCI at USAF Site 1 and series of targeted recommendations delivered to USAF.</li> <li>- 20 of 20 priority recommendations from USEUCOM Ballistic Missile Defense (BMD) Mission Resilience Game (MRG) were successfully implemented and relevant cybersecurity vulnerabilities mitigated.</li> <li>- Mitigation Prioritization Framework (MPF) developed for incorporation into CRMT to enable prioritization among many cybersecurity vulnerabilities for mitigation implementation and resourcing, and testing/validation strategy developed.</li> <li>- Re-established the Weapons Systems Cybersecurity Council of Colonels including representatives from USA, USAF, USMC, USN, PCA, DoD CIO, JS J6, OUSD(Policy), etc.</li> <li>- Provided acquisition objectives for Joint Cyber Warfighting Architecture (JCWA) and 2018 DoD Cyber Strategy Line of Effort (LOE 4) POA&amp;M</li> </ul> |                |                |                |

**UNCLASSIFIED**

|  |                         |
|--|-------------------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense | <b>Date:</b> April 2022 |
|--|-------------------------|

|  |   |   |
|--|---|---|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>105 / <i>Cyber Capability &amp; Platform Resilience</i> |
|--|---|---|

| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>  | FY 2021 | FY 2022 | FY 2023 |
|--|---------|---------|---------|
| <ul style="list-style-type: none"> <li>- Developed JCWA Roadmap and Backlog Context diagram explaining the many backlog layers associated with operational, portfolio, and product backlog.</li> <li>- Conducted a JCWA Acquisition Management Arrangement (AMA) Assessment to determine initial requirements for an overarching JCWA acquisition organization. Surveyed OSD, USCYBERCOM, Service Cyber Components (SCCs), Service Acquisition Executive (SAE) organizations, and JCWA Component Program Management Offices (PMO). Recommended fundamental organization functions and relationships to improve JCWA system engineering and interfaces.</li> <li>- Assessed Intelligence Support to Acquisition (ISA) structure, process, and current weaknesses that result in acquisition offices delivering compromised systems/components into operations</li> </ul> <p><b>FY 2022 Plans:</b><br/>Funding realigned to 0606771D8Z.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br/>NA</p> |         |         |         |
| <b>Accomplishments/Planned Programs Subtotals</b>  | 20.037  | 0.000   | -       |

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

Utilize existing fixed-price and cost-plus contracts (where appropriate) to continue developmental acquisition support and portfolio management in support of three primary Goals in support of the Department of Defense (DoD) Cyber Strategy

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |  |  |
|--|--|--|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / Joint Tactical Information Distribution System (JTIDS) | <b>Project (Number/Name)</b><br>105 / Cyber Capability & Platform Resilience |
|--|--|--|

| <b>Support (\$ in Millions)</b> |                        |  |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---------------------------------|------------------------|--|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item              | Contract Method & Type | Performing Activity & Location           | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| Contract awards                 | C/CPFF                 | OUSD OCISO (A) :<br>Pentagon/Mark Center | 56.864      | 20.037  |            | -       |            | -            |            | -           |            | -             | Continuing       | Continuing | -                        |
| <b>Subtotal</b>                 |                        |  | 56.864      | 20.037  |            | -       |            | -            |            | -           |            | -             | Continuing       | Continuing | N/A                      |

**Remarks**  
NA

|                            | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| <b>Project Cost Totals</b> | 56.864      | 20.037  | -       | -            | -           | -             | Continuing       | Continuing | N/A                      |

**Remarks**  
NA

**UNCLASSIFIED**

|  |   |   |
|--|---|---|
| <b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022   |
| <b>Appropriation/Budget Activity</b><br>0400 / 5   | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>105 / <i>Cyber Capability &amp; Platform Resilience</i> |

| FY 2021 |   |   |   | FY 2022 |   |   |   | FY 2023 |   |   |   | FY 2024 |   |   |   | FY 2025 |   |   |   | FY 2026 |   |   |   | FY 2027 |   |   |   |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 |

|   |  |
|---|--|
| <b>Cyber Capability and Platform Resilience</b> |  |
| Contract Awards                                 |  |

**UNCLASSIFIED**

|   |   |   |
|---|---|---|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022   |
| <b>Appropriation/Budget Activity</b><br>0400 / 5  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>105 / <i>Cyber Capability &amp; Platform Resilience</i> |

Schedule Details

| Events by Sub Project                                  | Start   |      | End     |      |
|--|---------|------|---------|------|
|  | Quarter | Year | Quarter | Year |
| <b><i>Cyber Capability and Platform Resilience</i></b> |         |      |         |      |
| Contract Awards  | 1       | 2021 | 2       | 2022 |

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |   |   |
|--|---|---|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>028 / <i>Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> |
|--|---|---|

| COST (\$ in Millions)  | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| <i>028: Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> | 12.771      | 11.763  | -       | -            | -           | -             | -       | -       | -       | -       | -                | -          |
| Quantity of RDT&E Articles   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -                | -          |

**A. Mission Description and Budget Item Justification**

Implement and maintain the Cybersecurity Maturity Model Certification (CMMC) framework that incorporates multiple cybersecurity standards and references into a unified standard that encompasses both the progression of cybersecurity practices as well as the institutionalization of processes to secure Controlled Unclassified Information (CUI) within the Defense Industrial Base (DIB) sector. Conduct pathfinders and pilots with Services, Agencies, and international partners to support risk reduction for the phased rollout of the CMMC.

Conduct pathfinders to assess and demonstrate emerging capabilities for supply chain risk management and DIB cybersecurity. Partner with the DIB sector to analyze and demonstrate promising and cost-effective capabilities and candidate solutions. Also, work with the DoD stakeholders and appropriate organizations dedicated to enhancing the training and education of cybersecurity best practices to the DIB sector with an emphasis on small businesses and manufacturers.

**B. Accomplishments/Planned Programs (\$ in Millions)**

|  | FY 2021 | FY 2022 | FY 2023 |
|--|---------|---------|---------|
| <p><b>Title:</b> DIB Secure Cloud Managed Services Pilot</p> <p><b>Description:</b> FY 2021 Accomplishments:</p> <ul style="list-style-type: none"> <li>- Updated and implemented the Cybersecurity Maturity Model Certification (CMMC) risk-based framework to enhance the cybersecurity posture of the Defense Industrial Base (DIB) sector.</li> <li>- Adjudicated public comments received in response to the Defense Federal Acquisition Regulation Supplement (DFARS) Interim Rule and coordinated draft responses with DoD stakeholders.</li> <li>- Coordinated with and supported the Military Services and the DoD Components on identifying nominations for CMMC Pilots with expected contract awards in FY 2021.</li> <li>- Coordinated with International Partners regarding their DIB cybersecurity efforts and the potential implementation or reciprocity of CMMC in their respective countries.</li> <li>- Developed and fielded the CMMC Enterprise Mission Assurance Support Service (eMASS) Minimal Viable Product to enable third party assessment organizations to securely upload and store assessment data and reports. Worked with DISA to test and refine the CMMC eMASS database and define the required CMMC data standards.</li> </ul> | 11.763  | 0.000   | -       |

**UNCLASSIFIED**

|   |   |   |                |                |
|---|---|---|----------------|----------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Office of the Secretary Of Defense  |   | <b>Date:</b> April 2022   |                |                |
| <b>Appropriation/Budget Activity</b><br>0400 / 5  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>028 / <i>Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> |                |                |
| <b>B. Accomplishments/Planned Programs (\$ in Millions)</b>   |   | <b>FY 2021</b>  | <b>FY 2022</b> | <b>FY 2023</b> |
| <p>- Supported a DoD internal review of CMMC implementation tasked with developing recommendations to reduce barriers to entry for small DIB contractors and ensure successful execution. Supported an CMMC Executive Steering Group to finalize recommendations and provide to DoD leadership.</p> <p><b>FY 2022 Plans:</b><br/>Funding realigned to 0606771D8Z.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br/>N/A</p> |   |   |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>   |   | 11.763  | 0.000          | -              |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>  |   |   |                |                |
| N/A   |   |   |                |                |
| <b>Remarks</b>  |   |   |                |                |
| <b>D. Acquisition Strategy</b>  |   |   |                |                |
| N/A   |   |   |                |                |



**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile:** PB 2023 Office of the Secretary Of Defense **Date:** April 2022

|  |   |   |
|--|---|---|
| <b>Appropriation/Budget Activity</b><br>0400 / 5 | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>028 / <i>Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> |
|--|---|---|

| FY 2014 |   |   |   | FY 2015 |   |   |   | FY 2016 |   |   |   | FY 2017 |   |   |   | FY 2018 |   |   |   | FY 2019 |   |   |   | FY 2020 |   |   |   |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 |

|  |            |
|--|------------|
| <b><i>DIB Secure Managed Services Pilot</i></b>                                  |            |
| Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders | ██████████ |

| FY 2021 |   |   |   | FY 2022 |   |   |   | FY 2023 |   |   |   | FY 2024 |   |   |   | FY 2025 |   |   |   | FY 2026 |   |   |   | FY 2027 |   |   |   |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 |

|  |            |
|--|------------|
| <b><i>DIB Secure Managed Services Pilot</i></b>                                  |            |
| Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders | ██████████ |

**UNCLASSIFIED**

|   |   |   |
|---|---|---|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Office of the Secretary Of Defense |   | <b>Date:</b> April 2022   |
| <b>Appropriation/Budget Activity</b><br>0400 / 5  | <b>R-1 Program Element (Number/Name)</b><br>PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i> | <b>Project (Number/Name)</b><br>028 / <i>Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders</i> |

Schedule Details

| Events by Sub Project  | Start   |      | End     |      |
|--|---------|------|---------|------|
|  | Quarter | Year | Quarter | Year |
| <b><i>DIB Secure Managed Services Pilot</i></b>                                  |         |      |         |      |
| Cybersecurity: Cybersecurity Maturity Model Certification (CMMC) and Pathfinders | 4       | 2019 | 3       | 2021 |