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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 5: System Development & Demonstration (SDD)	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z I Joint Tactical Information Distribution System (JTIDS)
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	171.630	20.589	9.030	9.775	-	9.775	9.926	9.903	9.890	10.068	Continuing	Continuing
771: Joint Information and Capability Modernization	171.630	9.033	9.030	9.775	-	9.775	9.926	9.903	9.890	10.068	Continuing	Continuing
105: Cyber Capability & Platform Resilience	-	11.556	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

**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, Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR), Nuclear Command, Control, and Communications (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.
- NC3 and Strategic Deterrence: Execute NC3 Enterprise Capability Portfolio Management on behalf of the Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)). Provides acquisition expertise to recapitalize the nation's nuclear deterrent and reduce risk in nuclear modernization programs.
- Space and Missile Defense: Provides acquisition expertise to inform synchronized modernization and fielding of space and missile defense systems, including Space Control, Remote Sensing, Satellite Communication (SATCOM), Position, Navigation and Timing (PNT), launch, and homeland and regional missile defense capabilities.

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<b>Appropriation/Budget Activity</b> 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> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	9.033	9.120	9.025	-	9.025
Current President's Budget	20.589	9.030	9.775	-	9.775
Total Adjustments	11.556	-0.090	0.750	-	0.750
• Congressional General Reductions	-	-0.090			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	11.556	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	0.750	-	0.750

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 105: *Cyber Capability & Platform Resilience*

Congressional Add: *Deep Cyber Resiliency Assessments.*

	<b>FY 2022</b>	<b>FY 2023</b>
Congressional Add Subtotals for Project: 105	11.556	-
Congressional Add Totals for all Projects	11.556	-

**Change Summary Explanation**

FY 2024 Increase in funding is for Joint Command and Control (C2) / Joint All Domain Command and Control (JADC2) analytic support Initiative and studies and analysis to enable proactive decision-making on actionable nuclear modernization acquisition risks and opportunities in support of the Nuclear Posture Review and Nuclear Deputy Management Action Group (DMAG).

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 0400 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>				<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
<i>771: Joint Information and Capability Modernization</i>	171.630	9.033	9.030	9.775	-	9.775	9.926	9.903	9.890	10.068	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.
- NC3 and Strategic Deterrence: Execute NC3 Enterprise Capability Portfolio Management on behalf of the USD(A&S). Provides acquisition expertise to recapitalize the nation's nuclear deterrent and reduce risk in nuclear modernization programs.
- Space and Missile Defense: Provides acquisition expertise to inform synchronized modernization and fielding of space and missile defense systems, including Space Control, Remote Sensing, SATCOM, PNT, launch, and homeland and regional missile defense capabilities.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Joint Information and Capability Modernization	9.033	9.030	9.775
<p><b>Description:</b> FY 2022 Accomplishments:</p> <p>C4ISR:</p> <ul style="list-style-type: none"> <li>- Performed Bandwidth Efficient Common Data Link (CDL-BE) compliance analysis on over 120 platforms/users and evaluated new and evolving industry and government waveforms.</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>- Completed the Spectrum Efficient National Surveillance Radar technical feasibility assessment evaluating alternative operational and acquisition strategies to enable spectrum relocation of long range aviation radars and make available federal spectrum for commercial broadband wireless use.</li> <li>- Executed A&amp;S leadership role within the Congressionally directed 5G Cross Functional Team, focused upon accelerating acquisition and sustainment of 5G capabilities and services.</li> <li>- Execute A&amp;S co-chair function within the C3LB, conduct strategic planning, prioritization, policy execution, resource review, and oversight of DoD C3 and Electromagnetic Spectrum initiatives.</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> </ul>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<ul style="list-style-type: none"> <li>- Evaluated current JADC2 acquisitions to identify acquisition challenges and proposed extensible reforms to the Defense Acquisition System, the Planning, Programming, Budgeting &amp; Execution process, and the Joint Capabilities Integration &amp; Development Systems.</li> <li>- Provided technical and acquisition support to the JADC2 CFT, provided coordination and AO support for reviews of JADC2 Reference Architecture, and developed JADC2 Implementation Plan products to support critical cross-functional team timelines and deliverables.</li> <li>- Delivered agile acquisition and program management insights to the Office of the Director of National Intelligence towards implementing Agile methodologies into their software development processes and institute an Intelligence Community (IC) Software Acquisition Model across IC acquisition programs.</li> <li>- Finalized Terms of Reference agreement and obtained United States European Command confirmation of requirement for US/France datalink interoperability between 4th/5th gen platforms and supported United States/United Kingdom Federated Network C3 joint cooperation group.</li> <li>- Provided technical expertise for low-observable communications interoperability for Joint/Coalition operations in contested environments, seek to achieve Government control of LO Tactical Data Link technical baselines.</li> <li>- As co-lead with Under Secretary of Defense Intelligence and Security, provided technical support to modernize and migrate the DoD Distributed Common Ground family of systems to an enterprise capability that aligns to National Defense Strategy (NDS) information sharing goals and objectives.</li> <li>- Developed the FY 2023 Joint Tactical Network Center Management Plan and Tri-Military Department Resource Plan which align the DoD's prioritized Joint communications needs and requirements between the Tactical Communications Senior Steering Group, the Communications Technology and Waveform Working Group, Service sponsors, and other key Stakeholders.</li> <li>- Executed the A&amp;S leadership role within the multi-organizational Emerging Mid Band Radar Spectrum Sharing, conducting a DoD enterprise-wide study to evaluate reasonable, feasible, and executable options that define the conditions necessary to share 350 MHz of the spectrum while safeguarding incumbent military activities.</li> <li>- Executed the A&amp;S leadership role for Innovation Steering Group, focusing on Line of Effort (LOE) #4 Improving Transition, and Innovation Community of Interest, to support the NDS LOE #3 improving innovation transition effectiveness to Acquisition.</li> </ul> <p>NC3 and Strategic Deterrence:</p> <ul style="list-style-type: none"> <li>- Supported the NC3 Capability Portfolio Manager with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group, etc.) and recommended investment and policy alternatives.</li> <li>- Conducted NC3 Integrated Acquisition Portfolio Review Presidential Decision Making mission thread analysis to identify schedule risk and integration challenges relating to supporting execution of Nuclear Deterrence Operation Plans.</li> <li>- Led NC3 working group supporting the 2022 Nuclear Posture Review (NPR). Collaborated with DoD and Agency staffs to ensure NC3 Next Generation will provide modernized NC3 capabilities to enable mission assurance for nuclear operations. Identified findings to producing a more resilient and capable modernized NC3 system.</li> </ul>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
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<ul style="list-style-type: none"> <li>- Supported the recapitalization of the nation's nuclear deterrent, drove risk reduction in nuclear delivery system modernization programs, enhanced sustainment of fielded nuclear capabilities, supported Department-wide efforts to complete the NPR and develop an initial NPR implementation plan.</li> <li>- Led numerous Department-wide engagements bringing together stakeholders on Sentinel (Ground Based Strategic Deterrent) program, fostered whole of government support for the program's initial outreach to facilitate future fielding efforts.</li> <li>- Conducted In-Progress Reviews (IPRs) for the ACAT ID Sentinel and Long Range Standoff Weapon (LRSO) reviewing cost, schedule, performance and risk of these critical strategic deterrence programs. These IPRs resulted in improved estimates of Sentinel schedule risks and software metrics, providing additional quantitative data to drive improved program performance. For LRSO, the IPRs ensured a continued successful transition into the Engineering and Manufacturing Development contract.</li> <li>- Provided acquisition expertise to the Nuclear Weapons Council (NWC), recommending additional oversight and risk mitigation on key nuclear programs to enable continued synchronization, leading to successful fielded of the capability.</li> <li>- Provided acquisition expertise across numerous NWC Working Groups in support of key statutory responsibilities of the council.</li> <li>- Led sub-working group within the Nuclear Posture Review activities to foster continued and renewed support for the nuclear modernization activities</li> </ul> <p>Space and Missile Defense (SMD):</p> <ul style="list-style-type: none"> <li>- As co-chair of the PNT oversight council, performed oversight and cross-Service coordination of PNT modernization acquisitions to improve DoD warfighting capability.</li> <li>- Conducted Space Control mission thread analysis to identify schedule risk and integration challenges relating to the mission essential function in executing OPLANS.</li> <li>- Performed portfolio management of SATCOM, Remote Sensing, Space Control, PNT, Assured Access to Space, and Missile Defense acquisitions. Identified multi-Service programmatic disconnects for development, fielding, and operations of space, ground, and user capabilities; engaged with joint community to develop resolution courses of action</li> </ul> <p><b>FY 2023 Plans:</b></p> <p>C4ISR:</p> <ul style="list-style-type: none"> <li>- Perform role as OUSD(A&amp;S) Principal Staff Assistant 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, conduct strategic planning, prioritization, policy execution, resource review, and oversight of DoD C3 and Electromagnetic Spectrum (EMS) initiatives.</li> </ul>			
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<ul style="list-style-type: none"> <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.</li> <li>- Provide executive guidance, technical expertise, and acquisition support 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 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 and perform acquisition portfolio management of Joint Requirements Oversight Council 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> <li>- 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.</li> </ul> <p>NC3 and Strategic Deterrence:</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 with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group) 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>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>- 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.</p> <p>- 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.</p> <p>SMD:</p> <p>- 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.</p> <p>- Support narrowband SATCOM Analysis of Alternatives study and follow-on activities in order to inform leadership recommendations and determine future of narrowband SATCOM capabilities.</p> <p>- 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.</p> <p>- 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.</p> <p><b>FY 2024 Plans:</b></p> <p>C4ISR:</p> <p>- Leverage artificial intelligence and machine learning to increase AISR data transport system capabilities and implement a network maintenance concept ensuring end-to-end operational availability.</p> <p>- Execute the A&amp;S leadership role within the 5G CFT, focused upon developing accelerated 5G acquisition strategies and requirements that allow DoD to leverage and deploy 5G and next-G technologies at the speed of commercial industry.</p> <p>- Execute A&amp;S co-chair function of the C3LB governance council, performing oversight and cross-Service coordination of public safety communications, tactical radio and networks, TDL, and common data link modernization acquisitions to improve DoD system interoperability.</p> <p>- Track and assess acquisition implementation of Link 16 capability improvements across Services. Support JS J6 efforts to resolve cryptographic modernization issues.</p> <p>- Execute portfolio management of Joint C2 acquisitions. Identified multi-Service programmatic disconnects for air operations planning capabilities; engaged with joint community to develop resolution courses of action.</p> <p>- Provide acquisition leadership to advance JADC2 CFT sponsored efforts to include document development, reviews, and major studies for acquisition and material development efforts.</p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<ul style="list-style-type: none"> <li>- 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</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. Work with France to define an interoperability roadmap for 2030 and beyond.</li> <li>- Continue the 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>- Continue oversight of JTNC coordination activities and maintain the JTNC Management Plan as a living document reflecting priorities from the Tactical Communications Senior Steering Group, the Communications Technology and Waveform Working Group, Service sponsors, and other key Stakeholders.</li> <li>- Execute the A&amp;S leadership role toward integrated EMS operations to ensure capabilities are met through integrated electronic transport that remain unimpeded in contested and congested EMS environments.</li> <li>- Execute the A&amp;S leadership role within ISG providing acquisition insight into ISG efforts to adjudicate priorities and recommendations to inject innovation into activities and programs that meet NDS lines of effort and advise Department leadership on science, technology transition, and other related matters while also improving innovation transition effectiveness to Acquisition.</li> </ul> <p>NC3 and Strategic Deterrence:</p> <ul style="list-style-type: none"> <li>- Partner with USSTRATCOM NC3 Enterprise Center to evolve the NC3 Capability Planning Guidance for FY26-30. Clarify direction to Services by organizing the guidance to deliver incremental modernization in well-defined transitions and clarifying longer term capability objectives to better target research and development investments.</li> <li>- Support the NC3 CPM with analysis presented to senior leadership bodies (NC3 Enterprise Review, Deputy's Management Action Group, etc.) and recommend investment and policy alternatives.</li> <li>- Complete NC3 Integrated Acquisition Portfolio Review (IAPR) on a selected mission thread to identify programmatic schedule risk and integration challenges associated with a subset of the portfolio. The FY 2024 IAPR will likely focus on recapitalization and integration of fixed, ground mobile, and airborne command and control platforms.</li> <li>- Support the recapitalizing the nation's nuclear deterrent, drive risk reduction in nuclear modernization programs, enhance sustainment of fielded nuclear capabilities, and continue implementing the Nuclear Posture Review.</li> <li>- Conduct for In-Progress Reviews for the Long Range Standoff Weapon and Sentinel programs. Continue to assess cost, schedule and performance of the nuclear portfolio.</li> </ul> <p>Space and Missile Defense:</p> <ul style="list-style-type: none"> <li>- Provide in-depth technical, engineering, integration support, and system of system analysis for space systems and missile defense modernization program portfolio management.</li> </ul>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<ul style="list-style-type: none"> <li>- As a Co-Chair for the Position, Navigation, and Timing (PNT) oversight council, conduct strategic planning, prioritization, policy execution, resource review, and oversight of DoD PNT initiatives.</li> <li>- As a Co-Chair for the Missile Defense Executive Board, conduct strategic planning, prioritization, policy execution, resource review, and oversight of DoD missile defense initiatives.</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); TT&amp;C; SATCOM, and other key data links.</li> </ul> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b>  FY 2024 Increase in funding is for Joint Command and Control / Joint All Domain Command and Control analytic support Initiative and studies and analysis to enable proactive decision-making on actionable nuclear modernization acquisition risks and opportunities in support of the Nuclear Posture Review and Nuclear Deputy Management Action Group.</p>				
<b>Accomplishments/Planned Programs Subtotals</b>		9.033	9.030	9.775
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
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, NC3, strategic deterrence, missile defense, and C4ISR.				

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**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>
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<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Joint Information and Capability Modernization	C/TBD	OUSD A&S DASD SSIPM : Pentagon	171.630	9.033	Jan 2021	9.030	Jan 2021	9.775		-		9.775	Continuing	Continuing	Continuing
<b>Subtotal</b>			171.630	9.033		9.030		9.775		-		9.775	Continuing	Continuing	N/A

**Remarks**  
NA

	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	171.630	9.033	9.030	9.775	-	9.775	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.

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>
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FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
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>Joint Information and Capability Modernization</b>	
Contract Awards	

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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>Joint Information and Capability Modernization</b>	
Contract Awards	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 771 / <i>Joint Information and Capability Modernization</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Joint Information and Capability Modernization</i></b>				
Contract Awards	1	2021	3	2028

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**Exhibit R-2A, RDT&E Project Justification:** PB 2024 Office of the Secretary Of Defense **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / Joint Tactical Information Distribution System (JTIDS)	<b>Project (Number/Name)</b> 105 / Cyber Capability & Platform Resilience
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
105: Cyber Capability & Platform Resilience	-	11.556	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**  
These funds were a congressional add specifically to conduct Deep Cyber Resiliency Assessments.

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

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

The Cyber Resiliency & Cybersecurity Policy program supports the efforts of OUSD A&S, focusing on the defense of the Department's critical mission weapon systems and Defense Critical Infrastructure from cyber attack, protecting the Department's sensitive unclassified information residing within the Defense Industrial Base (DIB) sector and supply chain, and capability portfolio management for Joint Cyber Capabilities used by the Cyber Mission Force. This program funds the following critical efforts:

Cybersecurity for Weapon Systems and Critical Infrastructure: Lead the Department's Strategic Cybersecurity Program to continue critical weapon systems and defense infrastructure cybersecurity assessments and mitigations.

Deputy Assistant Secretary of Defense Platform & Weapon Portfolio Management/Cyber Warfare Directorate Cyber Resiliency efforts are aligned with the following initiatives:

- Assess:
- Conduct of mission based cyber risk assessments for priority Defense Missions in support of Combatant Commands (CCMDs).
  - Conduct Deep Cyber Resiliency Assessments in support of CCMDs and asset owners.

- Inventory:
- Develop, sustain, and employ Cyber Risk Mitigation Tool, an Enterprise-wide decision support tool for tracking cyber vulnerability assessments and mitigations.

- Prioritize:
- Prioritize Cyber Risk Mitigations based upon mission analysis conducted by Mission Focused Cyber Hardening Teams.

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

<b><u>Title:</u></b>	FY 2022	FY 2023	FY 2024
Cyber Capability & Platform Resilience	0.000	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 105 / <i>Cyber Capability &amp; Platform Resilience</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	-	-

	<b>FY 2022</b>	<b>FY 2023</b>
<b>Congressional Add:</b> Deep Cyber Resiliency Assessments.	11.556	-
<b>FY 2022 Accomplishments:</b> FY22 Accomplishments: Conducted Cyber Risk Assessments in support of Combatant Commands: - Combatant Command (CCMD) Mission Analysis: Began pilot of analytic approach with United States Space Command (USSPACECOM) to define mission essential tasks for evaluation. - Mission Resilience (MR) Games: Completed MR I in support of United States Transportation Command and United States European Command to assess global logistics mission in a contested cyberspace environment. Began preparation for MR II in support of USSPACECOM. - Deep Cyber Resiliency Assessments (DCRAs): Completed multiple DCRAs for Mission Partners across the DoD including a high priority special request from a CCMD.		
<b>Congressional Adds Subtotals</b>	11.556	-

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 105 / <i>Cyber Capability &amp; Platform Resilience</i>

	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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>Deep Cyber Resiliency Assessments</b>																												
Deep Cyber Resiliency Assessments																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Office of the Secretary Of Defense		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 0400 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604771D8Z / <i>Joint Tactical Information Distribution System (JTIDS)</i>	<b>Project (Number/Name)</b> 105 / <i>Cyber Capability &amp; Platform Resilience</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Deep Cyber Resiliency Assessments</i></b>				
Deep Cyber Resiliency Assessments	4	2023	3	2024