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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 3: Advanced Technology Development (ATD)	<b>R-1 Program Element (Number/Name)</b> PE 0603727D8Z I Joint Warfighting Program (JWP)
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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	57.133	2.078	2.411	2.749	-	2.749	2.830	2.889	2.950	3.011	-	-
<i>727: Joint Warfighting</i>	57.133	2.078	2.411	2.749	-	2.749	2.830	2.889	2.950	3.011	-	-

**Note**

New Start (Y/N): No

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

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

The Joint Warfighting Program (JWP) supports the Assistant Secretary of Defense for Acquisition (ASD(A))'s responsibilities for acquisition and portfolio management. The JWP underwrites analyses, studies, performs limited scope experiments, wargaming, and partnerships that define joint capability gaps and develops credible requirements for follow-on acquisition efforts. These analyses and assessments deliver independent perspectives on potential remedies to align acquisition investments and solutions for joint capability gaps created by future warfighting environments and emerging threats. The JWP supports mission engineering integration management, as well as other high priority emerging issues requiring independent analysis to inform acquisition decisions that impact National Security.

<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	2.157	2.411	2.486	-	2.486
Current President's Budget	2.078	2.411	2.749	-	2.749
Total Adjustments	-0.079	0.000	0.263	-	0.263
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.079	-			
• Program Adjustments	-	-	0.263	-	0.263

**Change Summary Explanation**

FY 2024 minimal funding increase due to programmatic changes.

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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 / 3	<b>R-1 Program Element (Number/Name)</b> PE 0603727D8Z / Joint Warfighting Program (JWP)	<b>Project (Number/Name)</b> 727 / Joint Warfighting
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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
<i>727: Joint Warfighting</i>	57.133	2.078	2.411	2.749	-	2.749	2.830	2.889	2.950	3.011	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

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

The Joint Warfighting Program (JWP) supports the Assistant Secretary of Defense for Acquisition (ASD(A))'s responsibilities for acquisition and portfolio management. The JWP underwrites analyses, studies, performs limited scope experiments, wargaming, and partnerships that define joint capability gaps and develops credible requirements for follow-on acquisition efforts. These analyses and assessments deliver independent perspectives on potential remedies to align acquisition investments and solutions for joint capability gaps created by future warfighting environments and emerging threats. The JWP supports mission engineering integration management, as well as other high priority emerging issues requiring independent analysis to inform acquisition decisions that impact National Security.

**Anticipated Impact:**

Provides analytical support for acquisition efforts for ASD(A) staff elements and joint customers. It promotes analyses and assessments for acquisition insights and decisions focused on capability development serving the needs of joint forces and the warfighter.

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

	FY 2022	FY 2023	FY 2024
<b>Title:</b> Acquisition Analysis for Joint Capability Requirements	2.078	2.411	2.749
<b>Description:</b> Mission Engineering & Integration (FY 2022 Accomplishments):			
<ul style="list-style-type: none"> <li>- Developed a re-usable Digital Engineering environment and methodology for key mission threads to support future Mission Engineering pilots, studies, and acquisition analyses, which includes:</li> <li>- Guidance on common, open standard tools and frameworks for conducting Mission Engineering analyses (e.g. Mission Thread development) and modeling).</li> <li>- Standardized training materials for Acquisition Professionals to improve implementation of Mission Engineering efforts into acquisition portfolio management.</li> <li>- Rubric for evaluating sufficiency/maturity of Mission Engineering products for Acquisition.</li> </ul>			
United States Space Force (USSF) Command and Control (C2) Independent Review (FY 2022 Accomplishments):			

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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 / 3	<b>R-1 Program Element (Number/Name)</b> PE 0603727D8Z / Joint Warfighting Program (JWP)	<b>Project (Number/Name)</b> 727 / Joint Warfighting

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<p>- Assessed the status of execution phase activities and challenges in costing an agile software program, flexibility and extensibility of the technical architecture, software development control processes, and sufficiency of mechanisms used to map requirements and monitor execution progress to product roadmaps.</p> <p>Small Satellite Coordination (FY 2022 Accomplishments):</p> <p>-Developed an investment strategy and reports on development and implementation of small satellite technologies, specifically lunar navigation, and the impact of laws, regulations, policies, and instructions that either inhibit or promotion small satellite sustainability in space.</p> <p>RIZER Assessment (FY 2022 Accomplishments):</p> <p>- Identified any cybersecurity vulnerabilities or gaps in the operational effectiveness of using RIZER software on the latest versions of Da Jiang Innovations (DJI) systems.</p> <p>Anticipated Impact: Provides analytical support for acquisition efforts for ASD(A) staff elements and joint customers. It promotes analyses and assessments for acquisition insights and decisions focused on capability development serving the needs of joint forces and the warfighter.</p> <p><b>FY 2023 Plans:</b> Continued acquisition analysis through a portfolio management lens to address the critical joint warfighting mission areas critical to national defense. Major focus areas will support the following projects:</p> <p>Mission Engineering and Integration Mission Thread Pathfinder Analysis: Develop and pilot a Digital Engineering environment a re-usable Digital Engineering environment and methodology for these mission threads to help automate, simplify, and integrate Mission Engineering.</p> <p>Mission Engineering and Integration: Enable Department of Defense to effectively implement enterprise Capability Portfolio Management to align strategic efforts and optimize capability investments across the Department.</p> <p>Follow-on USSF C2 Review: Assess the status of execution phase activities and challenges in costing an agile software program, flexibility and extensibility of the technical architecture, software development control processes, and sufficiency of mechanisms used to map requirements and monitor execution progress to product roadmaps.</p>			

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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>Acquisition Intelligence: develop and streamline Acquisition Intelligence policy, guidance and training to improve the integration of intelligence into acquisition, ensuring threat informed acquisition:</p> <ul style="list-style-type: none"> <li>- Facilitate innovative, tailored and decision quality intelligence</li> <li>- Facilitate the integration of intel into acquisition portfolio management</li> <li>- Enable the acquisition intel workforce in providing more effective data driven intelligence</li> <li>- Enable the continued professionalization of the acquisition intelligence workforce</li> </ul> <p><b>FY 2024 Plans:</b> Continued acquisition analysis through a portfolio management lens to address the critical joint warfighting mission areas critical to national defense. Major focus areas will support the following projects:</p> <p>Mission Engineering and Integration Mission Thread Pathfinder Analysis: Continue development of a Digital Engineering environment a re-usable Digital Engineering environment and methodology for these mission threads to help automate, simplify, and integrate Mission Engineering.</p> <p>Mission Engineering and Integration: Continued effort for the Department of Defense to effectively implement enterprise Capability Portfolio Management to align strategic efforts and optimize capability investments across the Department.</p> <p>Follow-on USSF C2 Review: Continue assessment of the status of execution phase activities and challenges in costing an agile software program, flexibility and extensibility of the technical architecture, software development control processes, and sufficiency of mechanisms used to map requirements and monitor execution progress to product roadmaps.</p> <p>Acquisition Intelligence: continue the development and streamline Acquisition Intel policy, guidance &amp; training to improve the integration of intel into acquisition, ensuring threat informed acquisition:</p> <ul style="list-style-type: none"> <li>- Facilitating innovative, tailored &amp; decision quality intelligence</li> <li>- Facilitating the integration of intel into acquisition portfolio management</li> <li>- Enabling the acquisition intel workforce in providing more effective data driven intel</li> <li>- Enabling the continued professionalization of the acquisition intel workforce</li> </ul> <p><b>FY 2023 to FY 2024 Increase/Decrease Statement:</b> FY 2024 minimal funding increase reflects programmatic changes.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	2.078	2.411	2.749

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A