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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Office of the Secretary Of Defense **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0606135D8Z I <i>Chief Digital and Artificial Intelligence Officer (CDAO) Activities</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	0.000	12.394	17.247	9.262	-	9.262	5.484	5.691	5.805	5.921	Continuing	Continuing
069: <i>Foundational Enablers</i>	0.000	12.394	17.247	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
086: <i>AI/ML Scaffolding</i>	0.000	0.000	0.000	9.262	-	9.262	5.484	5.691	5.805	5.921	Continuing	Continuing

**Note**  
New Start (Y/N): No

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

The Chief Digital and Artificial Intelligence Officer (CDAO) supports the Department's initiatives to build enduring advantage and build a resilient Joint Force and defense ecosystem. The CDAO is responsible for strengthening and integrating data, artificial intelligence, and digital solutions in the Department in support of the National Defense Strategy and Section 1513 of the National Defense Authorization Act (NDAA) for FY 2023. The functions of the CDAO are as follows: lead and oversee the DoD's strategy development and policy formulation for data, analytics, and AI; break down barriers to data and AI adoption; create enabling digital infrastructure and services; selectively scale and provide digital and AI-enabled solutions focused on enterprise and joint use cases; and surge digital services. The CDAO will continue priority projects that align to the mission. This includes expanding the enterprise data repository; establishing a responsible AI ecosystem; developing the AI and Data Accelerator (ADA) initiative; and developing a Data, Analytics, and AI Adoption Strategy. These various lines of effort will support the overarching mission of accelerating the Department's adoption of data, analytics, and AI to preserve decision advantage across the Joint Force. The mission of the AI/ML Scaffolding project is developing, providing, brokering, and advising on the infrastructure, data, tools, services and best practices needed to accelerate appropriate AI/ML development and adoption. Responsible Artificial Intelligence (RAI) is critical to decision makers, warfighters, industry partners, and public trust in the technologies that the Department develops and deploys CDAO RAI effort:

- Operationalizes the DoD AI Ethical Principles
- Oversees the Deputy Secretary of Defense's RAI Strategy and Implementation Pathway (S&IP)
- Coordinates with offices throughout the DoD and federal government
- Integrates RAI to build capacity of best practices and tools for AI

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	13.132	17.247	9.262	-	9.262
Current President's Budget	12.394	17.247	9.262	-	9.262
Total Adjustments	-0.738	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.479	-			
• WHS Transfer	-0.259	-	-	-	-

**Change Summary Explanation**

FY 2023 SBIR/STTR transfer -\$0.479; WHS transfer -\$0.259

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**Exhibit R-2A, RDT&E Project Justification:** PB 2025 Office of the Secretary Of Defense **Date:** March 2024

<b>Appropriation/Budget Activity</b> 0400 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0606135D8Z / <i>Chief Digital and Artificial Intelligence Officer (CDAO) Activities</i>	<b>Project (Number/Name)</b> 069 / <i>Foundational Enablers</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
069: <i>Foundational Enablers</i>	0.000	12.394	17.247	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

New Start (Y/N): No

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

This project is AI Acquisition Training.

The DoD must overhaul its acquisition processes and prioritize technical and acquisition training as highlighted in the National Defense Strategy for 2018, the 2018 DoD Artificial Intelligence Strategy, and the 2021 NSCAI Final Report. This funding will provide the basis of the training platform -Digital DNA Pilot Program- in partnership with OUSD(A&S).

It is also incumbent on the Department to ensure all its AI-enabled systems will be safe and adhere to ethical standards and that they are used in a manner that contributes to the efficiency, effectiveness, and legitimacy of the Department’s AI capabilities. This requirement funds activities to develop, procure and maintain the necessary commercial and DoD-customized tools to put the DoD AI Ethical Principles into practice across the entire AI product lifecycle.

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

	FY 2023	FY 2024	FY 2025
<b>Title:</b> Artificial Intelligence (AI) Acquisition Training	12.394	17.247	-
<b>Description:</b> The DoD must overhaul its acquisition processes and prioritize technical and acquisition training as highlighted in the National Defense Strategy for 2018, the DoD Artificial Intelligence Strategy for 2018, and the 2021 NSCAI Final Report. This funding is earmarked to provide the basis of the training platform - DoD AI Acquisition Training Platform - in partnership with OUSD(A&S).			
<b>FY 2024 Plans:</b> In FY 2024, CDAO plans to continue developing AI-specific acquisition content for existing Defense Acquisition University platforms and to build a DoD AI training portal for DoD components acquiring AI capabilities.			
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Beginning in FY 2025 the Acquisition Ecosystem is realigned under PE 0604123D8Z.			
<b>Accomplishments/Planned Programs Subtotals</b>	12.394	17.247	-

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<b>Appropriation/Budget Activity</b> 0400 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0606135D8Z / <i>Chief Digital and Artificial Intelligence Officer (CDAO) Activities</i>	<b>Project (Number/Name)</b> 069 / <i>Foundational Enablers</i>

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

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<b>Appropriation/Budget Activity</b> 0400 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0606135D8Z / <i>Chief Digital and Artificial Intelligence Officer (CDAO) Activities</i>	<b>Project (Number/Name)</b> 086 / <i>AI/ML Scaffolding</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
086: <i>AI/ML Scaffolding</i>	0.000	0.000	0.000	9.262	-	9.262	5.484	5.691	5.805	5.921	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

New Start (Y/N): No

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

The mission of the AI/ML Scaffolding project is developing, providing, brokering, and advising on the infrastructure, data, tools, services and best practices needed to accelerate appropriate AI/ML development and adoption. Responsible Artificial Intelligence (RAI) is critical to decision makers, warfighters, industry partners, and public trust in the technologies that the Department develops and deploys.

The CDAO RAI effort:

- Operationalizes the DoD AI Ethical Principles
- Oversees the Deputy Secretary of Defense’s RAI Strategy and Implementation Pathway (S&IP)
- Coordinates with offices throughout the DoD and federal government
- Integrates RAI to build capacity of best practices and tools for AI

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

	FY 2023	FY 2024	FY 2025
<b>Title:</b> Responsible Artificial Intelligence (RAI)	0.000	0.000	9.262
<b>Description:</b> Responsible Artificial Intelligence (RAI) is critical to decision makers, warfighters, industry partners, and public trust in the technologies that the Department develops and deploys The CDAO RAI effort: - Operationalizes the DoD AI Ethical Principles - Oversees the Deputy Secretary of Defense’s RAI Strategy and Implementation Pathway (S&IP) - Coordinates with offices throughout the DoD and federal government - Integrates RAI to build capacity of best practices and tools for AI			
<b>FY 2024 Plans:</b> In FY 2024, CDAO develops, maintains and customized DoD governance tools, and to procure and maintain commercially available tools to support RAI activities.			
<b>FY 2025 Plans:</b> In FY 2025 the RAI effort will focus on: 1. RAI Tools			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2023	FY 2024	FY 2025
<ul style="list-style-type: none"> <li>- RAI Knowledge Sharing Tools (RAI Portal, Use Case Repository, Incident Repository)</li> <li>- RAI Governance Tools (Executive Dashboard, RAI Process Flow Tool, RAI Program Management Tool, RAI Budgeting Tool)</li> <li>- Auditability Tools (Bias Bounty, System Cards)</li> <li>- HSI/HMT Tools (HMT Red Teaming Guidebook &amp; Tools, BlueSky Integration)</li> <li>- Tool Integration (Explainability, OOD, Competence Estimation, Privacy Risk, Robustness, Algorithmic Recourse, Imitation/Extraction Risk, Continuous Monitoring Tools)</li> <li>2. RAI Best Practices                             <ul style="list-style-type: none"> <li>- RAI Framework (RAI Toolkit)</li> <li>- RAI Risk Resources (Risk Management Framework and Profiles Development, Civilian Harms &amp; Mitigation Project, Harms/Impact Analysis, High Consequence Risk &amp; Tradeoffs Framework)</li> <li>- Integrating Generative AI Responsibly</li> <li>- RAI Workforce and Organization Development (RAI 101, RAI Awareness Training)</li> </ul> </li> <li>3. RAI Outreach                             <ul style="list-style-type: none"> <li>- Partnerships and Policy (Mission Partnerships [including Integration and Piloting of RAI Tools], RAI Data and AI Review Board, RAI Community of Interest, RAI Academic Consortium)</li> </ul> </li> </ul> <p><b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b> The continuous activity from FY 2024 to FY 2025, starting to transition some activities from development into maintaining the RAI tools.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	0.000	9.262

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

**Remarks**

**D. Acquisition Strategy**  
N/A