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

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0604122D8Z I <i>JADC2 Development and Experimentation 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	0.000	0.000	222.945	-	222.945	232.704	199.870	204.579	209.084	Continuing	Continuing
085: <i>JADC2</i>	0.000	0.000	0.000	222.945	-	222.945	232.704	199.870	204.579	209.084	Continuing	Continuing

Note

New Start (Y/N): No

Beginning in FY 2025 Joint All-Domain Command & Control (JADC2)-related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance.

A. Mission Description and Budget Item Justification

Beginning in FY 2025 Joint All-Domain Command & Control (JADC2) related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance. The Chief Digital and Artificial Intelligence Officer (CDAO) supports the Department's initiatives to support decision advantage across the Joint Force and Combatant Command leadership. The CDAO JADC2 directorate is responsible for improving global accessibility and interoperability of warfighting data aligned to prioritized mission threads from the Joint Warfighting Concept.

JADC2 has the following projects:

1. Joint Operating Systems (JOS)

- Initial Data Integration Layer of software tools to access
- Edge software deployment to U.S. Pacific Fleet classified network
- Development of time-sensitive targeting application
- Prototype Data Integration Layer
- Provide improved access, security, and automated interfaces
- Supporting Joint Fires Network (JFN) with Common Data Layer
- Supporting transition of Assault Breaker II capabilities

2. Data Integration Layer (DIL):

- Ingest: Identify data needs, develop data ingest and mature data producer capability as needed
- Process, Transform, and Move: Develop data transformation and data routing services and support cross-domain data delivery
- Share and Distribute: Identify and prioritize data consumer integrations, develop data export services, validate 3rd party APIs, and induction systems

3. Global Information Dominance Experiment (GIDE): The JADC2 projects in CDAO are developing resilient enterprise data services to accelerate adoption of modern JADC2 mission command applications, driven through globally integrated experimentation events, GIDE. The GIDE is to iteratively improve warfighting processes and increase connectivity of digital systems. The GIDE series provides globally integrated, cross-CCMD, and strategic-to-operational execution of JADC2 with focused venue

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for warfighters to design future capabilities with data-centric software tools. GIDE provides rapid iteration at-scale allowing the CDAO to test the effectiveness of the Data Integration Layer (DIL) while the Joint Staff and CCMDs test the effectiveness of evolving C2 concepts and capabilities. The GIDE experimentation campaign will continue its instrumentation to capture metrics and baseline performance across the Joint Force and measure interoperability and accuracy.

4. Mission Command Applications (MCAs): Develops software tools that digitized battle management C2 warfighting functions and serve as the primary interaction with the DIL and the data services it provided. This effort include aggregated required software licenses at CCMDs to manage government data rights, improve utilization, and encourage enterprise commonality.

- Consolidating individual contracts into an ""enterprise"" model of software licensing to improve efficiency, standardize pricing, and ensure commonality across global users
- Expanding software capabilities to additional combatant commands
- Accelerating delivery of advanced AI/ML capabilities
- Enabling creation of a software development pipeline

B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	222.945	-	222.945
Total Adjustments	0.000	0.000	222.945	-	222.945
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Realignment from PE 0604123D8Z	-	0.000	222.945	-	222.945

Change Summary Explanation

Beginning in FY 2025 Joint All-Domain Command & Control (JADC2)-related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance.

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

Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0604122D8Z / JADC2 Development and Experimentation Activities	Project (Number/Name) 085 / JADC2
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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
085: JADC2	0.000	0.000	0.000	222.945	-	222.945	232.704	199.870	204.579	209.084	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Beginning in FY 2025 Joint All-Domain Command & Control (JADC2)-related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance.

A. Mission Description and Budget Item Justification

Beginning in FY 2025 Joint All-Domain Command & Control (JADC2)-related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance. Mission Description and Budget Item Justification: The Chief Digital and Artificial Intelligence Officer (CDAO) supports the Department's initiatives to support decision advantage across the Joint Force and Combatant Command leadership. The CDAO CJADC2 directorate is responsible for improving global accessibility and interoperability of warfighting data aligned to prioritized mission threads from the Joint Warfighting Concept.

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

	FY 2023	FY 2024	FY 2025
Title: JADC2	0.000	-	222.945
Description: The Chief Digital and Artificial Intelligence Officer (CDAO) supports the Department's initiatives to support decision advantage across the Joint Force and Combatant Command leadership. The CDAO JADC2 directorate is responsible for improving global accessibility and interoperability of warfighting data aligned to prioritized mission threads from the Joint Warfighting Concept.			
FY 2025 Plans: JADC2 plans for the following projects in FY 2025:			
1. Joint Operating Systems (JOS) - JOS Phase IV: JOS will enter the Production Phase. During Production Phase, JOS will be fielded to additional units across CCMDs to support GIDE events for Robust Joint Warfighting Data			
2. Data Integration Layer (DIL): - Ingest: Identify data needs, develop data ingest and mature data producer capability as needed - Process, Transform, and Move: Develop data transformation and data routing services and support cross-domain data delivery - Share and Distribute: Identify and prioritize data consumer integrations, develop data export services, validate 3rd party APIs, and induction systems			

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Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0604122D8Z / JADC2 Development and Experimentation Activities	Project (Number/Name) 085 / JADC2
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>3. Global Information Dominance Experiment (GIDE): The JADC2 projects in CDAO are developing resilient enterprise data services to accelerate adoption of modern JADC2 mission command applications, driven through globally integrated experimentation events, GIDE. The GIDE is to iteratively improve warfighting processes and increase connectivity of digital systems. The GIDE series provides globally integrated, cross-CCMD, and strategic-to-operational execution of JADC2 with focused venue for warfighters to design future capabilities with data-centric software tools. GIDE provides rapid iteration at-scale allowing the CDAO to test the effectiveness of the Data Integration Layer (DIL) while the Joint Staff and CCMDs test the effectiveness of evolving C2 concepts and capabilities. The GIDE experimentation campaign will continue its instrumentation to capture metrics and baseline performance across the Joint Force and measure interoperability and accuracy. The GIDE will continue its quarterly experiments with the CCMDs and services.</p> <p>4. Mission Command Applications (MCAs): Develops software tools that digitized battle management C2 warfighting functions and serve as the primary interaction with the DIL and the data services it provided. This effort include aggregated required software licenses at CCMDs to manage government data rights, improve utilization, and encourage enterprise commonality. Continuing its work from previously, MCAs will:</p> <ul style="list-style-type: none"> - consolidating individual contracts into an ""enterprise"" model of software licensing to improve efficiency, standardize pricing, and ensure commonality across global users - Expanding software capabilities to additional combatant commands - Accelerating delivery of advanced AI/ML capabilities - Enabling creation of a software development pipeline <p>FY 2024 to FY 2025 Increase/Decrease Statement: Beginning in FY 2025 Joint All-Domain Command & Control (JADC2)-related funding was re-aligned from PE 0604123D8Z to this PE in support of Congressional guidance.</p>			
Accomplishments/Planned Programs Subtotals	0.000	-	222.945

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

Remarks

D. Acquisition Strategy
N/A