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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2025 Army **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / <i>Joint Targeting Integrated Command and Coordination Suite (JTIC2S)</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	9.290	28.553	0.000	28.553	0.000	0.000	0.000	0.000	0.000	37.843
EFA: <i>Joint Target Integrated Cmd &amp; Coordination Suite</i>	-	-	9.290	28.553	-	28.553	-	-	-	-	0.000	37.843

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

This funding line directly aligns to the Army Long Range Precision Fires and Network modernization priorities.

The Joint Targeting Integrated Command and Coordination Suite (JTIC2S) software solution will provide critical fires/targeting capability for joint and organic Army fire support management and a joint fires/ targeting common operational picture (COP) for joint and coalition partners, as well as at echelon for target development. JTIC2S will replace the currently fielded legacy Joint Automated Deep Operations Coordination System (JADOCS), which is approaching end of useful life and is facing obsolescence issues due to outdated software architecture and code. JTIC2S will replace the JADOCS capability and will enable commanders to functionally integrate targeting efforts in a federated method. Military service branches at echelon will utilize the functions within JTIC2S for a synchronized targeting tactical picture with Army and Joint Fires COP to support Joint All Domain Command and Control (JADC2) and Multi Domain Operations (MDO) against a near-peer adversary. JTIC2S development efforts begin in FY24.

JTIC2S is a software only program that will use Continuous Integration/ Continuous Delivery (CI/CD) to develop software and deploy capabilities. The CI/CD approach employs modernized software development methodologies (e.g., agile, etc.), tools/techniques (e.g., DevOps, etc.) and human-centered design processes (e.g., Soldier Touch Points [STPs], etc.) to iteratively deliver software that meets Warfighter priority needs. The CI/CD approach features testing and user engagements (STPs) as integral parts of its process to ensure delivered capabilities satisfy requirements and add value for the Warfighter.

FY 2025 funding in the amount of \$28.553 million will support the completion of the Minimal Viable Product (MVP), development/integration and testing of Joint interoperability requirements, additional system integration and emerging artificial intelligence/machine learning (AI/ML) capabilities.

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<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / <i>Joint Targeting Integrated Command and Coordination Suite (JTIC2S)</i>
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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	0.000	9.290	0.000	-	0.000
Current President's Budget	0.000	9.290	28.553	-	28.553
Total Adjustments	0.000	0.000	28.553	-	28.553
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	28.553	-	28.553

**Change Summary Explanation**

Increase in funding to develop system to be fully interoperable with Army, Joint, Intelligence Community and Coalition Forces systems for target collaboration.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605216A / <i>Joint Targeting Integrated Command and Coordination Suite (JTIC2S)</i>				<b>Project (Number/Name)</b> EFA / <i>Joint Target Integrated Command &amp; Coordination Suite</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
EFA: <i>Joint Target Integrated Command &amp; Coordination Suite</i>	-	-	9.290	28.553	-	28.553	-	-	-	-	0.000	37.843
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

This funding line directly aligns to the Army Long Range Precision Fires and Network modernization priorities.

The Joint Targeting Integrated Command and Coordination Suite (JTIC2S) software solution will provide critical fires/targeting capability for joint and organic Army fire support management and a joint fires/ targeting common operational picture (COP) for joint and coalition partners, as well as at echelon for target development. JTIC2S will replace the currently fielded legacy Joint Automated Deep Operations Coordination System (JADOCS), which is approaching end of useful life and is facing obsolescence issues due to outdated software architecture and code. JTIC2S will replace the JADOCS capability and will enable commanders to functionally integrate targeting efforts in a federated method. Military service branches at echelon will utilize the functions within JTIC2S for a synchronized targeting tactical picture with Army and Joint Fires COP to support Joint All Domain Command and Control (JADC2) and Multi Domain Operations (MDO) against a near-peer adversary. JTIC2S development efforts begin in FY24.

JTIC2S is a software only program that will use Continuous Integration/Continuous Delivery (CI/CD) to develop software and deploy capabilities. The CI/CD approach employs modernized software development methodologies (e.g., agile, etc.), tools/techniques (e.g., DevOps, etc.) and human-centered design processes (e.g., Soldier Touch Points [STPs], etc.) to iteratively deliver software that meets Warfighter priority needs. The CI/CD approach features testing and user engagements (STPs) as integral parts of its process to ensure delivered capabilities satisfy requirements and add value for the Warfighter.

FY 2025 funding in the amount of \$28.553 million will support the development/integration and testing of the Minimal Viable Product (MVP), development/integration and testing of Joint interoperability requirements, additional system integration and emerging artificial intelligence/machine learning (AI/ML) capabilities.

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

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
<b>Title:</b> Development	-	7.790	22.510
<b>FY 2024 Plans:</b> Conduct development efforts in support of the JTIC2S Minimal Viable Product, including the maturation and integration of several Science & Technology (S&T) products, as well as efforts to the harvest, containerize and integrate key legacy JADOCS capabilities.			
<b>FY 2025 Plans:</b>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>
Complete development of Minimal Viable Product to replace JADOCs capability and begin development/integration of Joint interoperability requirements, additional system integration and emerging AI/ML capabilities. <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase due to a shift from maturation/integration efforts to complex development activities to enable machine-to-machine communication and functionality for multi-domain and joint target handoff.				
<b>Title:</b> System Engineering/Management <b>FY 2024 Plans:</b> Will provide Matrix and Contractor/SETA support to PMO for all aspects of the program including requirements decomposition, software development efforts, system engineering, logistics and business management support. <b>FY 2025 Plans:</b> Project management to include matrix and contractor to perform systems integration, engineering development/integration, operations, and safety/information assurance. <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> Increase due to requirement to provide appropriate expertise to manage the complex development and integration efforts of this phase.		-	1.500	3.981
<b>Title:</b> JTIC2S Test <b>FY 2025 Plans:</b> Continuous developmental/operational testing (DT/OT) and Soldier Touchpoints/exercises for the MVP and in support of development/integration of integrated joint capabilities, data types and AI/ML <b>FY 2024 to FY 2025 Increase/Decrease Statement:</b> DT/OT and Solider Touchpoints/exercises to commence in FY 2025.		-	-	2.062
<b>Accomplishments/Planned Programs Subtotals</b>		-	9.290	28.553
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A <b>Remarks</b>				
<b>D. Acquisition Strategy</b> The Joint Targeting Integrated Command and Coordination Suite (JTIC2S) requirement was validated by the Common Operating Environment (COE) Configuration Steering Board (CSB) in April 2022 under the COE Information System-Initial Capability Document, Command Post Computing Environment (CPCE) Requirements				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / <i>Joint Targeting Integrated Command and Coordination Suite (JTIC2S)</i>	<b>Project (Number/Name)</b> EFA / <i>Joint Target Integrated Cmd &amp; Coordination Suite</i>
<p>Definition Package (RDP), Capability Drop 5 (CD5). JTIC2S is a software only program that will replace the legacy Joint Automated Deep Operations Coordination System (JADOCS) and provide a data-centric targeting capability that will meet increasing Joint interoperability demands, additional data types, and emerging artificial intelligence/machine learning capabilities to enable joint and coalition targeting support to Joint All Domain Command and Control (JADC2) and Multi Domain Operations (MDO).</p> <p>To support program initiation in FY 2024, JTIC2S underwent Acquisition Shaping Panel reviews with the Deputy for Acquisition and Systems Management (DASM) in Jun and Dec 2022. After these stakeholder engagements, the DASM approved the use of the Major Capability Acquisition (MCA) pathway and delegation of Milestone Decision Authority (MDA) to Program Executive Office Command, Control and Communications-Tactical. The MDA approved the Materiel Development Decision in Sep 2023, and the program will initiate development and integration efforts in FY 2024.</p> <p>JTIC2S is a software only program that is adopting a Continuous Integration/Continuous Delivery (CI/CD) approach to software development and capability deployment. This includes enhancing modernized software development methodologies (e.g., agile, etc.), tools/techniques (e.g., DevOps, etc.) and human-centered design processes (e.g., Soldier Touch Points [STPs], etc.) to iteratively deliver software that meets Warfighter priority needs. The CI/CD approach will feature continuous development and integration with testing and user engagements (STPs) as integral parts of the process to ensure delivered capability satisfies requirements and adds value for the Warfighter.</p> <p>The JTIC2S program will leverage the investment of numerous Science and Technology efforts and legacy JADOCS capabilities to deliver a Minimal Viable Product (MVP), which will be matured through CI/CD. Future development and enhancements are expected to be executed via an Indefinite Delivery/Indefinite Quantity (ID/IQ) contract being established to support Product Manager Fire Support Command and Control (FSC2) portfolio needs. The ID/IQ contract will engage industry to facilitate the incorporation of best-of-breed solutions into FSC2 capabilities.</p>		

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Army** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / Joint Targeting Integrated C ommand and Coordination Suite (JTIC2S)	<b>Project (Number/Name)</b> EFA / Joint Target Integrated Cmd & Coordination Suite
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<b>Management Services (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Program Management Support (Matrix)	IA	Various : APG, MD	-	-		0.688	Oct 2023	1.932	Oct 2024	-		1.932	0.000	2.620	-
Program Management Support (SETA)	Option/CPFF	GSA : APG, MD	-	-		0.812	Oct 2023	2.049		-		2.049	0.000	2.861	-
<b>Subtotal</b>			-	-		1.500		3.981		-		3.981	0.000	5.481	N/A

**Remarks**  
Increase due to requirement to provide appropriate expertise to manage the complex development and integration efforts of this phase.

<b>Product Development (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
Development	IA	C5ISR : APG, MD	-	-		7.790	Oct 2023	22.510	Oct 2024	-		22.510	0.000	30.300	-
<b>Subtotal</b>			-	-		7.790		22.510		-		22.510	0.000	30.300	N/A

**Remarks**  
Increase due to a shift from maturation/integration efforts to complex development activities to enable machine-to-machine communication and functionality for multi-domain and joint target handoff.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 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			
JTIC2S Test Support	IA	various : various	-	-		-		2.062	Oct 2024	-		2.062	0.000	2.062	-
<b>Subtotal</b>			-	-		-		2.062		-		2.062	0.000	2.062	N/A

**Remarks**  
DT/OT and Solider Touchpoints/exercises to commence in FY 2025.

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	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>		
<b>Project Cost Totals</b>	-	-	9.290	28.553	-	28.553	0.000	37.843	N/A		

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Army</b>			<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / Joint Targeting Integrated C ommand and Coordination Suite (JTIC2S)	<b>Project (Number/Name)</b> EFA / Joint Target Integrated Cmd & Coordination Suite	

Event Name	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	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
JTIC2S Software Development Effort (Minimal Viable Product)																												
JTIC2S MVP Developmental/Operational Testing (DT/OT)																												
JTIC2S MVP Fielding Decision													▲															
JTIC2S Continuous Software Development																												
JTIC2S Continuous Developmental, Operational and Soldier...																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Army		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605216A / <i>Joint Targeting Integrated Command and Coordination Suite (JTIC2S)</i>	<b>Project (Number/Name)</b> EFA / <i>Joint Target Integrated Cmd &amp; Coordination Suite</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
JTIC2S Software Development Effort (Minimal Viable Product)	2	2024	1	2025
JTIC2S MVP Developmental/Operational Testing (DT/OT)	1	2025	3	2025
JTIC2S MVP Fielding Decision	4	2025	4	2025
JTIC2S Continuous Software Development	1	2024	4	2030
JTIC2S Continuous Developmental, Operational and Soldier Touch Point Testing	2	2024	4	2030