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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0305601F / <i>Mission Partner Environments</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	-	16.741	17.727	22.028	0.000	22.028	17.187	17.523	18.135	18.494	Continuing	Continuing
643783: <i>CENTRIXs Networks</i>	-	16.741	17.727	22.028	0.000	22.028	17.187	17.523	18.135	18.494	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mission Partner Environment (MPE) enables secure sharing of operational information for collaboration between and among the U.S. and mission partners to include federal, state, local, and tribal agencies, allies, coalition members, host nations, and other nations, United States (US) and international Non-Governmental Organizations, multinational treaty organizations, and private sector organizations. The MPE program enables the United States (US) Department of Defense (DoD) to execute its assigned missions with mission partners across all ranges and phases of military operations to enable combined command and control (C2) of coalition forces while promoting effective exchange of C2 and intelligence information to enable effective use of the US and partner nation military power. MPE improves survivability and lethality of US Forces by incorporating coalition partners and allies ability to share information in a secret and below releasable environment.

DoD Directive 5101.22E, effective August 5, 2020, designated the Secretary of the Air Force as Executive Agent (EA) for the DoD MPE. The EA, through the Mission Partner Capabilities Office provides DoD wide enterprise-level development, integration, systems engineering, architecture, and synchronized delivery of mission capabilities to include DoD-wide enterprise services that support joint and multinational warfighting functional information sharing. Additionally, the EA executes enterprise-level MPE Planning Programming Budgeting and Execution (PPBE) activities to coordinate the development of MPE budget requirements and provide recommendations to OSD Principle Staff Assistants for PPBE guidance and to the DoD Component heads for performance guidance. The EA also documents the DoD MPE to provide a comprehensive understanding that informs future technical solutions. The FY2025 funding continues the development, integration, and testing of an enterprise architectural engineering solution in alignment with the federated mission networking framework to combine multiple coalition information sharing capabilities into a single MPE, to include modifications necessary to absorb legacy systems capabilities and capacities. In addition, this funding further supports Coalition Interoperability Assurance and Validation (CIAV) technical, analytical, and engineering support to resolve C2 interoperability challenges and evaluate existing and emerging cyber capabilities in support of the MPE ecosystem.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In PY 0.00M was expended for civilian pay expenses in this program element, and in CY 0.00M is forecasted for civilian pay expenses in this program element.

This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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B. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	17.378	17.727	16.757	0.000	16.757
Current President's Budget	16.741	17.727	22.028	0.000	22.028
Total Adjustments	-0.637	0.000	5.271	0.000	5.271
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-0.637	0.000			
• Other Adjustments	0.000	0.000	5.271	0.000	5.271

Change Summary Explanation

FY2025 changes due to internal realignment.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Title: Mission Partner Environment	16.741	17.727	22.028
Description: Mission Partner Environment (MPE) enables secure sharing of operational information for collaboration between and among the United States (US) and mission partners to include federal, state, local, and tribal agencies, allies, coalition members, host nations, and other nations, US and international Non-Governmental Organizations, multinational treaty organizations, and private sector organizations.			
FY 2024 Plans: Develop, integrate, and test an enterprise architectural engineering solution in alignment with the federated mission networking framework to combine multiple coalition information sharing capabilities into a single Mission Partner Environment, to include modifications necessary to absorb legacy systems capabilities and capacities.			
FY 2025 Plans: Continue development, integration, and testing of an enterprise architectural engineering solution in alignment with the federated mission networking framework to combine multiple coalition information sharing capabilities into a single Mission Partner Environment, to include modifications necessary to absorb legacy systems capabilities and capacities.			
FY 2024 to FY 2025 Increase/Decrease Statement: Funding increased due to Combatant Command (US DoD) changing requirements			
Accomplishments/Planned Programs Subtotals	16.741	17.727	22.028

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D. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• O&M BA 01 PE 0305601F: <i>Mission Partner Environment</i>	148.402	211.769	188.066	-	188.066	216.194	218.844	190.998	194.231	Continuing	Continuing
• OPAF 03 834010: <i>General Information Technology</i>	14.887	10.535	20.075	-	20.075	2.089	2.162	2.208	2.252	Continuing	Continuing

Remarks

N/A

E. Acquisition Strategy

Performance-based contracts are primarily used for this support. MPE maximizes the use of competitive awards and uses various contract types, employs large and small contractors, and is focused to achieve agency socio-economic goals and incorporate DoD acquisition reform initiatives.

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

Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0305601F / <i>Mission Partner Environments</i>	Project (Number/Name) 643783 / <i>CENTRIXs Networks</i>
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Product Development (\$ in Millions)				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			
Cross Domain Solution Ops Capabilities	C/FFP	General Dynamics Msn Sys : Fairfax, VA	-	16.741	Mar 2023	17.727	Feb 2024	22.028	Feb 2025	-		22.028	Continuing	Continuing	-
Subtotal			-	16.741		17.727		22.028		-		22.028	Continuing	Continuing	N/A
Project Cost Totals			-	16.741		17.727		22.028		-		22.028	Continuing	Continuing	N/A

Remarks
N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
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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

Development, testing of capabilities, and integration of capacities into mission capabilities with continuity of operations for enterprise services

Mission Partner Environment

Development, integration & testing of legacy systems into a combined coalition sharing capability that encompasses a single environment with modified legacy systems capabilities

Mission Partner Environment

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Development, testing of capabilities, and integration of capacities into mission capabilities with continuity of operations for enterprise services</i>				
Mission Partner Environment	1	2023	4	2029
<i>Development, integration & testing of legacy systems into a combined coalition sharing capability that encompasses a single environment with modified legacy systems capabilities</i>				
Mission Partner Environment	1	2023	4	2029

Note
N/A