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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 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0208064F / <i>OPERATIONAL HQ - CYBER</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	-	13.841	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.841
676002: <i>Cyber Systems Modernization</i>	-	13.841	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.841
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

Note

In FY 2023, Project 676002, (Cyber Systems Modernization) was completed.

A. Mission Description and Budget Item Justification

Cyber Command and Control Mission System [C3MS] Mission Description: Provides the AFCYBER Commander with the tools necessary to effectively and efficiently plan, monitor, and execute missions in the cyber domain. This includes development and dissemination of Cyberspace Tasking Orders to ensure commander's intent is supported through the application of cyber forces using the latest intelligence. C3MS provides a common operational picture to maintain cyberspace threat activities and integrates cyberspace indications and warnings, analysis, and other actionable intelligence products into overall situational awareness, planning, and execution.

C3MS capabilities will fully transition to Joint Cyber Command and Control [JCC2]. All efforts support continuous development with focus on interoperability and integration into JCC2. C3MS will continue modernization efforts based on a backlog of validated requirements to automate battle management capabilities and provide comprehensive cyber situational awareness. Developmental Activities include: machine-to-machine interfaces to dynamically interoperate with Air Operations Center [AOC] systems, enabling the 616 OC to conduct Command and Control [C2] and Situational Awareness [SA] at the operational level, publish AF Cyber Tasking Orders [CTOs], and quickly facilitate collaboration and mutual situational awareness; capabilities to present weapon system operators with near-real-time force location, mission, effect, and linked information, including a standardized, dynamic, map-based, situational awareness interface to display, manipulate, and manage units, missions, network elements, and effects; and multi-level security capabilities to support full-spectrum operations.

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 FY23 \$0.000M was expended for civilian pay expenses in this program element, and in FY24 \$0.000M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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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	14.347	0.000	0.000	0.000	0.000
Current President's Budget	13.841	0.000	0.000	0.000	0.000
Total Adjustments	-0.506	0.000	0.000	0.000	0.000
• 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	-0.506	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 676002: *Cyber Systems Modernization*

Congressional Add: *Command and Control of the Information Environment*

Congressional Add Subtotals for Project: 676002

Congressional Add Totals for all Projects

	FY 2023	FY 2024
	12.000	-
	12.000	-
	12.000	-

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

	FY 2023	FY 2024	FY 2025
Title: Cyber Command and Control Mission System [C3MS] Modernization	1.841	0.000	0.000
Description: Perform development activities to automate processes and ingest & visualize data in support of Air Force specific cyber command and control requirements. Funding includes agile/continuous software development, test, and evaluation.			
FY 2024 Plans: N/A			
FY 2025 Plans: N/A			
FY 2024 to FY 2025 Increase/Decrease Statement: In FY 2023, Project 676002, (Cyber Systems Modernization) was completed.			
Accomplishments/Planned Programs Subtotals	1.841	0.000	0.000

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	FY 2023	FY 2024
Congressional Add: Command and Control of the Information Environment	12.000	-
FY 2023 Accomplishments: Next Generation Architecture		
- Execute accreditation activities to gain authorization to implement production instances in multi-domain environments (JWICS, SIPR, NIPR)		
- Migrate on-premises primary environment to Cloud and instantiate JWICS environment with additional work for full production deployment		
- Initiate, investigate, and scope effort necessary to refactor existing architecture to cloud native form		
 Mis/Disinformation / Non-Lethal Integration		
- Integrate Cyber/Cyber terrain data to inform non-lethal targeting		
- Integrate Security Cooperation Engagement data to enable country-level campaigning and target-audience messaging efforts		
- Identify, develop, and implement technologies applicable to mis/disinformation		
 Joint Assessments		
- Expand current effort with Joint Staff J5 to develop requirements and implement capabilities supporting global campaign assessments		
- Identify, scope, and create an interface to ingest additional intelligence and raw reporting information to assist in qualification and measurement during assessments		
- Discover features to support campaign planning based on assessments generated within C2IE		
Congressional Adds Subtotals	12.000	-

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

Line Item	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
• OPAF 03 834320: C3 Countermeasures	8.417	0.000	0.000	-	0.000	0.000	0.000	0.000	-	0.000	8.417

Remarks

E. Acquisition Strategy

The Cyber Command and Control Mission System (C3MS) weapon system program office will lead development of new capabilities to provide automated battle management capabilities to plan, monitor, and execute missions in the cyber domain. The program office will develop solutions based on a backlog of validated requirements. To meet these requirements, the C3MS program office will utilize various contractual vehicles when necessary, such as Government-Wide Acquisition

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Contract, Solutions for Enterprise-Wide Procurement IV, and General Services Administration Federal Supply Schedules, Network-Centric Solutions, Responsive Cyber Indefinite Delivery/Indefinite Quantity (IDIQ), Blanket Ordering Agreements (BOA) and competitive contract (if required). The use of multiple-award contractual vehicles will provide a wide range of commercially-available products and services that will be able to meet emerging requirements related to Air Force Cyber Command and Control.

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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
Automated Battle Management and Cyber SA				
Architecture and Modeling Support	1	2023	4	2023
Software Development	1	2023	1	2024
Test and Evaluation	1	2023	4	2023
Congressional Add: C2IE				
Software Development	3	2023	2	2024

Note
FY23 C3MS development contract period of performance ends 1Q FY24.