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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 0305984F / <i>Personnel Recovery Command & Ctrl (PRC2)</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	-	3.123	2.764	2.831	0.000	2.831	2.901	2.960	3.068	3.129	Continuing	Continuing
675221: <i>Personnel Recovery Command and Control (PRC2)</i>	-	3.123	2.764	2.831	0.000	2.831	2.901	2.960	3.068	3.129	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This budget line funds the Personnel Recovery Command and Control (PRC2) program, which develops and delivers tools and services for planning, collaborating and managing search and rescue efforts, as well as disseminating related information to all personnel recovery (PR) mission coordinators across the PR network. PRC2 provides an adaptive and networked system, delivering timely situational awareness information supporting personnel accountability and recovery mission management worldwide. PRC2 delivers a globally accessible, collaborative, interoperable and integrated set of capabilities to prevent, prepare for and respond to joint/coalition military personnel recovery activities, and civilian rescue missions. The Joint Personnel Recovery (JPR) Initial Capability Document (ICD) (2012) articulates capabilities needed for PRC2. Personnel Recover Mission Manager (PRMM) 3.1 continues to develop using Agile Development, Security and Operations (DevSecOps). Annex A to the PRMM 3.1 is the requirement document for improvements until Full Operational Capability (FOC) criteria is achieved.

The system collects, stores and delivers personnel/identity biometric data, emergency locator beacon registrations, Isolated Personnel (IP) reports, evasion plans of action, incident reports and other information management capabilities. The information is used for predictive, preventive and personnel vulnerability analysis and assessment in support of PR across the Department of Defense and other national and international entities. Activities also include studies and analysis to support both current program planning and execution, as well as future program planning.

In FY25, PRMM 3.1 modifications will continue to use an Agile DevSecOps strategy to develop and test capability in two-week increments (sprints) after fielding Configuration Control Board (CCB) approval from Major Command (MAJCOM). The modifications will improve/validate IP events/alerts and enable case files for Defense Prisoner of War/Missing Personnel Office (DPMO) and Joint Personnel Recovery Agency (JPRA). PRMM 3.1 modifications will reflect the requirements and priorities identified by Air Combat Command (ACC) as the personnel recovery environment evolves to meet the needs of the warfighter and personnel recovery efforts.

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, and 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	2.702	2.764	2.825	0.000	2.825
Current President's Budget	3.123	2.764	2.831	0.000	2.831
Total Adjustments	0.421	0.000	0.006	0.000	0.006
• 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	0.000	0.000			
• Other Adjustments	0.421	0.000	0.006	0.000	0.006

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
Title: PRC2 - PRMM Development	2.923	2.539	2.581
Description: PRC2 will use an Agile DevSecOps strategy to test and field tools and services for planning and managing search and rescue efforts, and disseminate the related information for personnel recovery.			
FY 2024 Plans:			
PRC2 PRMM development support with FY24 funding included the following:			
- Modifications to PRMM 3.1 using Agile DevSecOps in two-week increments			
- Increase automation to shorten reporting timeline for Isolated Person (IP) events and locator beacon alerts			
- Improve architecture to include code structure, performance, and stability			
- Integrate with National Geospatial-Intelligence Agency's (NGA) Map of the World to improve geospatial tracking			
- Increase interfaces with Combat Survivor Evader Locator (CSEL) Common Distress Reporting Systems (CDRS)			
- Review opportunities to utilize commercial cloud service providers for cost/schedule/performance to fit better with other PR enterprise tools			
- Integrate with Theater Battle Management Core Systems (TBMCS) to pull Air Tasking Orders			
- Improve human-machine interface based on feedback from the personnel recovery community			
- Increase secure communications paths to recovery coordinators and recovery team			
- Establish pathway to zero trust architecture that secures PII and PHI material			
FY 2025 Plans:			
- Will continue development of modifications to PRMM 3.1 using Agile DevSecOps in two-week increments			
- Will continue to increase automation to shorten reporting timeline for IP events and locator beacon alerts			

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2023	FY 2024	FY 2025
<ul style="list-style-type: none"> - Will continue to integrate with NGA's Map of the World to improve geospatial tracking - Will continue to increase interfaces with CSEL CDRS - Will continue to integrate with TBMCS to pull Air Tasking Orders - Will continue to improve architecture to include code structure, performance, and stability - Will increase capabilities to include the Mission Execution Tool and the PR 15-Line Execution Brief Redesign - Will review opportunities to utilize commercial cloud service providers for cost/schedule/performance to fit better with other PR enterprise tools - Will continue to work application programming interfaces (API) with other government agencies to interface required and future inputs/outputs <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding increased to account for inflation adjustments.</p>				
<p>Title: PRC2 - PRMM Test and Evaluation</p> <p>Description: Test and Evaluation</p> <p>FY 2024 Plans: Testing and Evaluation of PRMM 3.1.X.X Versions: <ul style="list-style-type: none"> - Internal testing through CI/CD pipeline to comply with ATO - Functional Testing - Cyber Security Testing - Developmental Testing - Operational Testing </p> <p>FY 2025 Plans: Will continue Testing and Evaluation of PRMM 3.1.X.X Versions: <ul style="list-style-type: none"> - Internal testing through CI/CD pipeline to comply with ATO - Functional Testing - Cyber Security Testing - Developmental Testing - Operational Testing </p> <p>FY 2024 to FY 2025 Increase/Decrease Statement: Funding increased to account for inflation adjustments.</p>		0.200	0.225	0.250
Accomplishments/Planned Programs Subtotals		3.123	2.764	2.831

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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>
• OPAF 03 834520: <i>Theater Battle Mgt C2 System</i>	0.275	0.000	0.433	-	0.433	0.443	0.458	0.468	0.477	Continuing	Continuing

Remarks

E. Acquisition Strategy

PRC2 product support is provided to the program office by the 517th Software Engineering Squadron (517 SWES), Hill AFB, UT, in accordance with a memorandum of agreement and on a fee-for-service basis. This strategy to utilize the 517 SWES for agile product development and sustainment was reviewed and approved by the Air Force Program Executive Officer (PEO) for Digital and implemented in mid-FY 2014. The work done by the 517 SWES includes, but is not limited to, modernization development, sustainment support services, and software maintenance of the PRC2 system.

Program management for the PRC2 program is under direction of PEO Digital, located at Hanscom AFB, MA. The Air Force Life Cycle Management Center (AFLCMC) located at Hill AFB, UT is the contracting authority for the PRC2 program. AFLCMC provides contracting, legal, comptroller, programmatic, engineering, test, and logistics support.

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305984F / <i>Personnel Recovery Com mand & Ctrl (PRC2)</i>	Project (Number/Name) 675221 / <i>Personnel Recovery Command and Control (PRC2)</i>

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

<i>PRC2 Software Development</i>	
PRMM Software Development	
<i>PRC2 Test</i>	
PRMM Testing	

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305984F / <i>Personnel Recovery Command & Ctrl (PRC2)</i>	Project (Number/Name) 675221 / <i>Personnel Recovery Command and Control (PRC2)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>PRC2 Software Development</i>				
PRMM Software Development	1	2023	4	2029
<i>PRC2 Test</i>				
PRMM Testing	1	2023	4	2029