

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

| | |
|--|---|
| 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> |
|--|---|

| COST (\$ in Millions) | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element | - | 2.122 | 2.567 | 2.702 | 0.000 | 2.702 | 2.758 | 2.810 | 2.868 | 2.932 | Continuing | Continuing |
| 675221: <i>Personnel Recovery Command and Control (PRC2)</i> | - | 2.122 | 2.567 | 2.702 | 0.000 | 2.702 | 2.758 | 2.810 | 2.868 | 2.932 | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

This project funds operational development necessary to acquire, modify, and sustain a segment of Air Force's C2 capabilities and services associated with Personnel Recovery (PR). The Personnel Recovery Command and Control (PRC2) program 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 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, inter-operable 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. PRMM 2.0 is at Initial Operational Capability (IOC) and PRMM 3.0 is in development. Annex A to the Personnel Recovery Mission Version 3.0 is the requirement document for initial and full operational capability (IOC/FOC) criteria.

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 FY 2023, Personnel Recover Mission Manager (PRMM) 3.0 modifications will continue to use an Agile development, security, and operations (DevSecOps) strategy to develop and test in two week increments (sprints) with capability to field by individual story 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 3.0 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 0605831F. In FY22 \$0.000M was expended for civilian pay expenses in this program element, and in FY23 \$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.

UNCLASSIFIED

| | |
|--|-------------------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force | Date: April 2022 |
|--|-------------------------|

| | |
|--|---|
| 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> |
|--|---|

| B. Program Change Summary (\$ in Millions) | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 2.203 | 2.567 | 0.000 | 0.000 | 0.000 |
| Current President's Budget | 2.122 | 2.567 | 2.702 | 0.000 | 2.702 |
| Total Adjustments | -0.081 | 0.000 | 2.702 | 0.000 | 2.702 |
| • 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 | -0.081 | 0.000 | 2.702 | 0.000 | 2.702 |

Change Summary Explanation

FY2023: The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY 2023 cannot be made in a relevant manner.

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

| | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total |
|--|----------------|----------------|---------------------|--------------------|----------------------|
| Title: PRC2 - PRMM Development | 1.997 | 2.392 | 2.502 | 0.000 | 2.502 |
| Description: PRC2 will use an Agile development, security, and operations (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 2022 Plans: | | | | | |
| - Will develop, test and have field-ready PRMM versions X.X.X.A through X.X.X.B in two-week increments with capability to field by individual story. The development effort will encompass changes to a more Map Centric and user intuitive design. An interface with Common Distress Reporting System (CDRS) provides various user interface upgrades and application improvements for Personnel Recovery Coordination. | | | | | |
| FY 2023 Base Plans: | | | | | |
| - Will develop, test and have field-ready PRMM versions X.X.X.B through X.X.X.D in two-week increments with capability to field by individual story. The development effort will encompass changes to a more Map Centric | | | | | |

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

| | |
|--|---|
| 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> |
|--|---|

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

| | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total |
|---|---------|---------|--------------|-------------|---------------|
| and user intuitive design. An interface with Common Distress Reporting System (CDRS) provides various user interface upgrades and application improvements for Personnel Recovery Coordination. | | | | | |
| FY 2023 OCO Plans: N/A | | | | | |
| FY 2022 to FY 2023 Increase/Decrease Statement: N/A | | | | | |
| Title: PRC2 - PRMM Test and Evaluation | 0.125 | 0.175 | 0.200 | 0.000 | 0.200 |
| Description: Test and Evaluation | | | | | |
| FY 2022 Plans: - PRMM Versions X.X.X.A through X.X.X.B - Testing & Evaluation | | | | | |
| FY 2023 Base Plans: PRMM Versions X.X.X.B through X.X.X.D - Testing & Evaluation | | | | | |
| FY 2023 OCO Plans: N/A | | | | | |
| FY 2022 to FY 2023 Increase/Decrease Statement: Funding increase due to inflation | | | | | |
| Accomplishments/Planned Programs Subtotals | 2.122 | 2.567 | 2.702 | 0.000 | 2.702 |

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

| Line Item | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|---|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| • OPAF 03 834520: <i>Theater Battle Mgt C2 System</i> | 0.347 | 0.369 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | - | Continuing | Continuing |

Remarks

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity
3600: *Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development*

R-1 Program Element (Number/Name)
PE 0305984F / *Personnel Recovery Command & Ctrl (PRC2)*

E. Acquisition Strategy

PRC2 product support is provided to the program office by the 517th Software Engineering Squadron (517 SWES), Hill AFB Utah, 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 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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force **Date:** April 2022

| | | |
|--|---|---|
| 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> |
|--|---|---|

| Product Development (\$ in Millions) | | | | FY 2021 | | FY 2022 | | FY 2023 Base | | FY 2023 OCO | | FY 2023 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 | | | |
| PRC2 - PRMM Agile Software Development | PO | Ogden ALC : Hill AFB, UT | - | 1.997 | Dec 2020 | 2.382 | Dec 2021 | 2.502 | Dec 2022 | - | | 2.502 | Continuing | Continuing | - |
| Subtotal | | | - | 1.997 | | 2.382 | | 2.502 | | - | | 2.502 | Continuing | Continuing | N/A |

| Test and Evaluation (\$ in Millions) | | | | FY 2021 | | FY 2022 | | FY 2023 Base | | FY 2023 OCO | | FY 2023 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 | | | |
| PRC2 - PRMM Test and Evaluation | PO | 45th Test Squadron : Eglin AFB, FL | - | 0.115 | Dec 2020 | 0.175 | Dec 2021 | 0.190 | Dec 2022 | - | | 0.190 | Continuing | Continuing | - |
| Subtotal | | | - | 0.115 | | 0.175 | | 0.190 | | - | | 0.190 | Continuing | Continuing | N/A |

| Management Services (\$ in Millions) | | | | FY 2021 | | FY 2022 | | FY 2023 Base | | FY 2023 OCO | | FY 2023 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 | | | |
| PRC2 - PRMM Program Support | TBD | Various : Hill AFB, UT | - | 0.010 | Mar 2021 | 0.010 | Mar 2022 | 0.010 | Mar 2023 | - | | 0.010 | Continuing | Continuing | - |
| Subtotal | | | - | 0.010 | | 0.010 | | 0.010 | | - | | 0.010 | Continuing | Continuing | N/A |

| | | | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|--|--|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| Project Cost Totals | | | - | 2.122 | 2.567 | 2.702 | - | 2.702 | Continuing | Continuing | N/A |

Remarks

UNCLASSIFIED

| | | |
|---|---|---|
| Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force | | Date: April 2022 |
| 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> |

| FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 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>Personnel Recovery Command & Control (PRC2)</i> | |
| PRMM Ver X.X.X.A - X.X.X.B Development, Testing and Fielding | ██████████ |
| PRMM Ver X.X.X.B - X.X.X.C Development, Testing and Fielding | ████████████████████ |
| PRMM Ver X.X.X.C - X.X.X.D Development, Testing and Fielding | ████████████████████ |

UNCLASSIFIED

| | | |
|--|---|---|
| Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force | | Date: April 2022 |
| 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>Personnel Recovery Command & Control (PRC2)</i> | | | | |
| PRMM Ver X.X.X.A - X.X.X.B Development, Testing and Fielding | 1 | 2022 | 2 | 2022 |
| PRMM Ver X.X.X.B - X.X.X.C Development, Testing and Fielding | 2 | 2022 | 2 | 2023 |
| PRMM Ver X.X.X.C - X.X.X.D Development, Testing and Fielding | 2 | 2023 | 4 | 2023 |