Exhibit R-2, **RDT&E Budget Item Justification:** FY 2018 Air Force											**Date:** May 2017	
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*						**R-1 Program Element (Number/Name)** PE 0305984F *I Personnel Recovery Command & Ctrl (PRC2)*						

COST ($ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	2.445	0.000	2.445	2.485	2.531	2.575	2.628	Continuing	Continuing
675221: *Personnel Recovery Command and Control (PRC2)*	-	0.000	0.000	2.445	0.000	2.445	2.485	2.531	2.575	2.628	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2018, PE 0207410F, Air & Space Operations Center (AOC), Project Number 675221, Personnel Recovery Command and Control (PRC2), efforts were transferred to PE 0305984F, Personnel Recovery Command & Ctrl (PRC2), Project Number 675221, Personnel Recovery Command and Control (PRC2), in order to improve visibility on Service's fair share of development funding for this joint interest program. This is not a new start.

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. 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 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.

The system collects, stores and delivers personnel/identity biometric data, emergency locator beacon registrations, isolated personnel 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 Personnel Recovery across 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 FY18, Personnel Recovery Mission Software (PRMS) modifications are required to develop and field PRMS 5.0 to enable the transition from the existing Web Forms implementation to a Model View Controller (MVC) implementation. This release will also address known Deficiency Reports (DR), incorporate user inputs, facilitate reducing maintenance costs to operate PRMS, updating the User Interface (UI) to a modern design, and increase overall efficiency. Additionally, Personnel Recovery Mission Manager (PRMM) modifications will import/validate Isolated Personnel (IP) events/alerts, import/validate Isolated Personnel (IP) events/alerts and enable case files for Defense Prisoner of War/Missing Personnel Office (DPMO) and Joint Personnel Recovery Agency (JPRA).

BA7 - 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.

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force			Date: May 2017	

Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*		R-1 Program Element (Number/Name) PE 0305984F *I Personnel Recovery Command & Ctrl (PRC2)*		

B. Program Change Summary ($ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	2.445	0.000	2.445
Total Adjustments	0.000	0.000	2.445	0.000	2.445
• 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	0.000	0.000	2.445	0.000	2.445

Change Summary Explanation

In FY 2018, PE 0207410F, Air & Space Operations Center (AOC), Project Number 675221, Personnel Recovery Command and Control (PRC2), efforts were transferred to PE 0305984F, Personnel Recovery Command & Ctrl (PRC2), Project Number 675221, Personnel Recovery Command and Control (PRC2), in order to improve visibility on Service's fair share of development funding for this joint interest program. This is not a new start.

C. Accomplishments/Planned Programs ($ in Millions)	FY 2016	FY 2017	FY 2018
Title: Personnel Recovery Command and Control (PRC2) **Description:** PRC2 is developing and delivering tools and services for planning and managing search and rescue efforts, and disseminating related information. **FY 2016 Accomplishments:** N/A **FY 2017 Plans:** N/A **FY 2018 Plans:** - Continue development of PRMM version 3.0.0 (formerly PRMM version 3.0 maintenance release fielding) - Develop and field PRC 4.0.0 Enclave	0.000	0.000	2.095
Title: Test and Evaluation **Description:** Test and Evaluation **FY 2016 Accomplishments:**	0.000	0.000	0.350

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force		Date: May 2017
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0305984F *I Personnel Recovery Command & Ctrl (PRC2)*	

C. Accomplishments/Planned Programs ($ in Millions)	FY 2016	FY 2017	FY 2018
N/A			
FY 2017 Plans: N/A			
FY 2018 Plans: - Will test and evaluation PRMS version 5.0 and PRMM version 3.0.0 - Continue to test PRMM 2.0			
Accomplishments/Planned Programs Subtotals	0.000	0.000	2.445

D. Other Program Funding Summary ($ in Millions)

Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
• 834520: *Theater Battle* *Management C2 System*	1.255	1.252	1.286	0.000	1.286	1.310	1.333	1.357	1.382	0.00	0.000

Remarks

E. Acquisition Strategy

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

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.