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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force										Date: February 2018		
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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.000	2.445	2.466	0.000	2.466	2.512	2.556	2.609	2.656	Continuing	Continuing
675221: Personnel Recovery Command and Control (PRC2)	-	0.000	2.445	2.466	0.000	2.466	2.512	2.556	2.609	2.656	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, 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 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.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver PRC2 weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, and 0605898F.

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.

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B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
Previous President's Budget	0.000	2.445	2.485	0.000	2.485	
Current President's Budget	0.000	2.445	2.466	0.000	2.466	
Total Adjustments	0.000	0.000	-0.019	0.000	-0.019	
• 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	-0.019	0.000	-0.019	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2017	FY 2018	FY 2019
Title: Personnel Recovery Command and Control (PRC2)				0.000	2.095	2.066
Description: PRC2 is developing and delivering tools and services for planning and managing search and rescue efforts, and disseminating related information.						
FY 2018 Plans: - Began Fielding PRMM Version 2.0.0 (formerly PRC2 Inc 5 Build 5.0.0 MM Inc 2)						
FY 2019 Plans: - Begin development of PRMM 3.0.0 (formerly PRMM 3.0 Maintenance Release)						
FY 2018 to FY 2019 Increase/Decrease Statement: Cost decrease due to reduced development costs.						
Title: Test and Evaluation				0.000	0.350	0.400
Description: Test and Evaluation						
FY 2018 Plans: - Continue to test PRMM 2.0.0 (formerly PRC2 Inc Build 5.0.0 MM Inc 2)						
- Test and evaluate PRMM version 3.0.0 (formerly PRMM version 3.0 maintenance release fielding)						
FY 2019 Plans: - Finalize testing of PRMM Version 3.0.0 (formerly PRMM version 3.0 maintenance release fielding)						

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2019 Air Force							<b>Date:</b> February 2018				
<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>				<b>R-1 Program Element (Number/Name)</b> PE 0305984F / <i>Personnel Recovery Command &amp; Ctrl (PRC2)</i>							
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>							<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>		
- Begin Development of PRMM 4.0.0 (formerly PRC2 Inc 4 Build 4.0.0)  <b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Cost increase due to inflation.											
<b>Accomplishments/Planned Programs Subtotals</b>							0.000	2.445	2.466		
<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• OPAF 03 834520: <i>Theater Battle Mgt C2 System</i>	1.252	1.286	1.301	-	1.301	1.323	1.347	1.372	1.396	Continuing	Continuing
<b>Remarks</b>											
<b>E. Acquisition Strategy</b> 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.											
<b>F. Performance Metrics</b> 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.											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2019 Air Force</b>												<b>Date:</b> February 2018			
<b>Appropriation/Budget Activity</b> 3600 / 7				<b>R-1 Program Element (Number/Name)</b> PE 0305984F / <i>Personnel Recovery Command &amp; Ctrl (PRC2)</i>				<b>Project (Number/Name)</b> 675221 / <i>Personnel Recovery Command and Control (PRC2)</i>							
<b>Product Development (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
PRC2 Follow-on Development	PO	Ogden ALC : Hill AFB, UT	-	0.000		1.795	Dec 2017	1.766	Dec 2018	-		1.766	Continuing	Continuing	-
<b>Subtotal</b>			-	0.000		1.795		1.766		-		1.766	Continuing	Continuing	N/A
<b>Remarks</b>															
- FY 2017 and prior years budgeted in PE 0207410F - FY 2018 and future years budgeted in PE 0305984F															
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Test	PO	45th Test Squadron : Eglin AFB, FL	-	-		0.350	Oct 2017	0.400	Oct 2018	-		0.400	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.350		0.400		-		0.400	Continuing	Continuing	N/A
<b>Management Services (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Administration	C/CPFF	Various : Hill AFB, UT	-	-		0.300	Dec 2017	0.300	Dec 2018	-		0.300	Continuing	Continuing	-
<b>Subtotal</b>			-	-		0.300		0.300		-		0.300	Continuing	Continuing	N/A
			<b>Prior Years</b>	<b>FY 2017</b>	<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Project Cost Totals</b>			-	0.000	2.445		2.466		-		2.466	Continuing	Continuing	N/A	
<b>Remarks</b>															

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Exhibit R-4, RDT&amp;E Schedule Profile: PB 2019 Air Force

Date: February 2018

## Appropriation/Budget Activity

3600 / 7

## R-1 Program Element (Number/Name)

PE 0305984F / Personnel Recovery  
Command & Ctrl (PRC2)

## Project (Number/Name)

675221 / Personnel Recovery Command  
and Control (PRC2)

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
<b>Personnel Recovery Command &amp; Control (PRC2)</b>																												
Personnel Recovery Mission Manager (PRMM) Ver 2.0.0 Fielding (formerly PRC2 Inc 5 Build 5.0.0 MM Inc 2)																												
PRMM Ver 3.0.0 Development (formerly PRMM 3.0 Maintenance Release )																												
PRMM Ver 3.0.0 Testing (formerly PRMM 3.0 Maintenance Release Testing)																												
PRMM Ver 3.0.0 Fielding (formerly PRMM 3.0 Maintenance Release Fielding)																												
PRMM Ver 4.0.0 Development (formerly PRC2 Inc 4 Build 4.0.0)																												
PRMM Ver 4.0.0 Testing (formerly PRC2 Inc 4 Build 4.0.0)																												
PRMM Ver 4.0.0 Fielding (formerly PRC2 Inc 4 Build 4.0.0)																												
PRMM Ver 5.0.0 Development																												
PRMM Ver 5.0.0 Testing																												
PRMM Ver 5.0.0 Fielding																												
PRMM Ver 6.0.0 Development																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Air Force		<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0305984F / <i>Personnel Recovery Command &amp; Ctrl (PRC2)</i>	<b>Project (Number/Name)</b> 675221 / <i>Personnel Recovery Command and Control (PRC2)</i>

## Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Personnel Recovery Command &amp; Control (PRC2)</i></b>				
Personnel Recovery Mission Manager (PRMM) Ver 2.0.0 Fielding (formerly PRC2 Inc 5 Build 5.0.0 MM Inc 2)	1	2018	4	2018
PRMM Ver 3.0.0 Development (formerly PRMM 3.0 Maintenance Release )	1	2019	4	2019
PRMM Ver 3.0.0 Testing (formerly PRMM 3.0 Maintenance Release Testing)	1	2020	1	2020
PRMM Ver 3.0.0 Fielding (formerly PRMM 3.0 Maintenance Release Fielding)	2	2020	2	2020
PRMM Ver 4.0.0 Development (formerly PRC2 Inc 4 Build 4.0.0)	3	2020	2	2021
PRMM Ver 4.0.0 Testing (formerly PRC2 Inc 4 Build 4.0.0)	3	2021	3	2021
PRMM Ver 4.0.0 Fielding (formerly PRC2 Inc 4 Build 4.0.0)	4	2021	4	2021
PRMM Ver 5.0.0 Development	1	2022	4	2022
PRMM Ver 5.0.0 Testing	1	2023	1	2023
PRMM Ver 5.0.0 Fielding	2	2023	2	2023
PRMM Ver 6.0.0 Development	3	2023	4	2023