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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901202F I Joint Personnel Recovery Agency							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	1.046	2.603	5.911	-	5.911	3.948	2.019	2.056	2.092	Continuing	Continuing
675196: Joint Technology Exploitation	-	1.046	2.603	5.911	-	5.911	3.948	2.019	2.056	2.092	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funding provides capability to conduct Personnel Recovery development efforts to upgrade systems to provide Combatant Commander and Service Personnel Recovery capabilities identified in the Personnel Recovery Initial Capabilities Document approved by Joint Requirements Oversight Council Memorandum 120-12 on 8 Aug 2012. Includes funding for research and development, support equipment, contract services and all associated costs specifically identified to support the Joint Personnel Recovery Agency (JPRA) headquarters at Ft. Belvoir, VA and other JPRA operating locations.

In FY16, the Common Distress Reporting System (CDRS) will begin development. CDRS will integrate all personnel locator device reporting onto the existing five Combat Survivor Evader Locator base stations to provide one common operating picture for timely and efficient recovery operations of isolated personnel.

This program is in Budget Activity 7, Operational System Development because this budget activity includes 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 year.

<u>B. Program Change Summary (\$ in Millions)</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	1.083	2.603	0.376	-	0.376
Current President's Budget	1.046	2.603	5.911	-	5.911
Total Adjustments	-0.037	-	5.535	-	5.535
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.037	-			
• Other Adjustments	-	-	5.535	-	5.535

Change Summary Explanation

FY16 Funding increase due to reestablishment of the Personnel Recovery RDT&E baseline (+ 1.535M) and the addition of a new effort(+4.0M) for the Common Distress Reporting System (CDRS).

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Planning and Reporting Systems		1.046	2.603	5.911	-	5.911
Description: Upgrade Collaborative Personnel Recovery planning systems and develop/implement the Common Distress Reporting System						
FY 2014 Accomplishments: - Completed prototype algorithm for collaborative PR planner by modeling evader movement and behavior superimposed on digital terrain. - Conducted proof-of-concept on geospatial analysis on real-world activity involving detained/captive persons.						
FY 2015 Plans: - Continue assessement and evaluation of real-time search planning capability and modeling and simulation to assess operational personnel recovery plans. - Assess and evaluate technologies for personnel recovery geospatial data visualization, predictive and real-time planning capabilities for cyber support to personnel recovery, standardization and interoperability of joint personnel recovery mission management and planning systems, and standardization of human and machine-to-machine information exchanges, communications, and data transfer to facilitate mission planning for personnel recovery.						
FY 2016 Base Plans: - Continue assessment and evaluation of real-time search planning capability and modeling and simulation to assess operational personnel recovery plans. - Assess and evaluate technologies for personnel recovery geospatial data visualization, predictive and real-time planning capabilities for cyber support to personnel recovery, standardization and interoperability of joint personnel recovery mission management and planning systems, and standardization of human and machine-to-machine information exchanges, communications, and data transfer to facilitate mission planning for personnel recovery. - Begin development of Common Distress Reporting System (CDRS), integrating all personnel locator device reporting onto the existing five Combat Survivor Evader Locator base stations to provide one common operating picture for timely and efficient recovery operations of isolated personnel.						
FY 2016 OCO Plans: N/A						
Accomplishments/Planned Programs Subtotals		1.046	2.603	5.911	-	5.911

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D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy Projects will leverage existing program contracts. In the rare instance where a contract does not already exist, contracts will be awarded through full and open competition.		
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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force												Date: February 2015			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0901202F / Joint Personnel Recovery Agency				Project (Number/Name) 675196 / Joint Technology Exploitation					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Common Distress Reporting System	SS/TBD	AFLCMC/HBBC : Huntington Beach, CA	-	-		-		4.000	Dec 2015	-		4.000	Continuing	Continuing	-
Optimal Search Study	Various	Various : ,	-	0.300	Dec 2013	0.687	Jul 2015	-		-		-	Continuing	Continuing	-
Personnel Recovery Modeling and simulation development	Various	Various : ,	-	0.746	Dec 2013	-		-		-		-	Continuing	Continuing	-
Collaborative Personnel Recovery Planning Systems	Various	Various : ,	-	-		1.916	Jul 2015	1.911	Mar 2016	-		1.911	Continuing	Continuing	-
Subtotal			-	1.046		2.603		5.911		-		5.911	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-

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	Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	1.046		2.603		5.911		-		5.911	-	-	-
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901202F / <i>Joint Personnel Recovery Agency</i>			Project (Number/Name) 675196 / <i>Joint Technology Exploitation</i>

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Common Distress Reporting System																												
Optimal Search Study																												
Collaborative Personnel Recovery planning systems																												
Personnel Recovery Modeling and Simulation Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Common Distress Reporting System	1	2016	4	2018
Optimal Search Study	1	2014	2	2016
Collaborative Personnel Recovery planning systems	1	2015	4	2017
Personnel Recovery Modeling and Simulation Development	1	2014	4	2015