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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 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0305176F I Combat Survivor Evader Locator							
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	-	-	-	0.993	-	0.993	1.885	0.793	0.955	-	Continuing	Continuing
654522: CSAR EMD	-	-	-	0.993	-	0.993	1.885	0.793	0.955	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY16, Project 654522 CSAR EMD, includes new start efforts for CSEL Crypto.												
A. Mission Description and Budget Item Justification The Combat Survivor Evader Locator (CSEL) System provides aircrews with end-to-end global satellite secure emergency communication capability during combat and peace-time flying operations. A hand held rescue radio is required as part of the mandatory aircrew survival gear. CSEL is the Joint Program of Record. CSEL supports four of five Personnel Recovery Mission Phases; Report, Locate, Support and Recover. A NSA Cryptographic Modernization mandate and the Ultra High Frequency Follow-On satellite constellation at end of life are both driving cost prohibitive upgrades to 54,876 hand held CSEL rescue radios and base station. FY16 funding is to conduct an abbreviated analysis of alternatives detailing the development required to integrate common waveforms, provide for cryptographic modernization, and leverage software defined capabilities. In FY16, Project 654522 CSAR EMD, includes new start efforts for CSEL Crypto.												
B. Program Change Summary (\$ in Millions)				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total				
Previous President's Budget				-	-	-	-	-				
Current President's Budget				-	-	0.993	-	0.993				
Total Adjustments				-	-	0.993	-	0.993				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-	-							
• Other Adjustments				-	-	0.993	-	0.993				
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: CSEL Crypto									-	-	0.993	

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
Description: A NSA Cryptographic Modernization mandate and the Ultra High Frequency Follow-On satellite constellation at end of life are both driving cost prohibitive upgrades to 54,876 hand held CSEL rescue radios and base station.			
FY 2016 Plans: FY16 funding is to conduct an abbreviated analysis of alternatives detailing the development required to integrate common waveforms, provide for cryptographic modernization, and leverage software defined capabilities.			
Accomplishments/Planned Programs Subtotals	-	-	0.993

D. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• P-54: <i>OPAF: BA03: Line Item # 837170: Combat Survivor Evader Locator</i>	8.428	-	-	-	-	-	-	-	-	-	-
Remarks											
E. Acquisition Strategy Projects will be awarded following full and open competition and will use evolutionary acquisition strategy based on incremental development.											
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 / 5						R-1 Program Element (Number/Name) PE 0305176F / <i>Combat Survivor Evader Locator</i>				Project (Number/Name) 654522 / <i>CSAR EMD</i>					
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
Subtotal			-	-		-		-		-		-	-	-	-
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
Program Management Administration	C/Various	Various : Hanscom AFB, MA	-	-		-		0.363	Jan 2016	-		0.363	Continuing	Continuing	-
Systems Engineering	SS/ Various	MITRE : Bedford, MA	-	-		-		0.630	Jan 2016	-		0.630	Continuing	Continuing	-
Subtotal			-	-		-		0.993		-		0.993	-	-	-
			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			-	-		-		0.993		-		0.993	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (Number/Name)	
3600 / 5	PE 0305176F / <i>Combat Survivor Evader Locator</i>	654522 / CSAR EMD	

	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
CSEL Crypto																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0305176F / Combat Survivor Evader Locator	Project (Number/Name) 654522 / CSAR EMD

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CSEL Crypto	1	2016	4	2020