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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 0303001F I Family of Advanced BLoS Terminals (FAB-T)							
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	-	-	-	3.907	-	3.907	-	-	-	-	Continuing	Continuing
672490: Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)	-	-	-	3.907	-	3.907	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY2014 PE 0303001F Family of Advanced BLoS Terminals(FAB-T), Project 672489 efforts were transferred to PE 0303001F, Family of Advanced BLoS Terminals (FAB-T)to Project 672490 Family of Advanced BLoS Terminals (FAB-T) in order to provide improved visibility.

In FY2016, PE 0303001F Family of Advanced BLoS Terminals (FAB-T), Project 672490, Family of Advanced BLoS Terminals (FAB-T) efforts were transferred to PE 0303601F, MILSATCOM Terminals, Project 672490, Family of Advanced BLoS Terminals (FAB-T) in order to provide improved visibility.

A. Mission Description and Budget Item Justification

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic platforms and airborne/ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF and EPS satellite constellations. In FY16, the Air Force continued development of the FAB-T terminal.

The FY2016 funding request was reduced by \$.333 million to account for the availability of prior execution balances

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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total		
Previous President's Budget						-	-	-	-	-		
Current President's Budget						-	-	3.907	-	3.907		
Total Adjustments						-	-	3.907	-	3.907		
• Congressional General Reductions						-	-					
• Congressional Directed Reductions						-	-					
• Congressional Rescissions						-	-					
• Congressional Adds						-	-					
• Congressional Directed Transfers						-	-					
• Reprogrammings						-	-					
• SBIR/STTR Transfer						-	-					
• Other Adjustments						-	-	3.907	-	3.907		
Change Summary Explanation												
In FY16 FAB-T \$3.933M was transferred from PE: 0303601F, Project: 672490 to PE: 0303001F, PROJECT: 672490 for improved visibility. This is not a New Start.												
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: FAB-T Development									-	-	3.907	
Description: The FAB-T program will provide EHF voice and data MILSATCOM for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar, AEHF, and EPS satellites.												
FY 2016 Plans: Completion of FAB-T development efforts.												
Accomplishments/Planned Programs Subtotals									-	-	3.907	
D. Other Program Funding Summary (\$ in Millions)												
Line Item	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	
• APAF: BA05, FBLOST: FAB-T	-	-	44.163	-	44.163	11.343	11.517	11.876	18.117	Continuing	Continuing	
• OPAF; BA03, 836700: FAB-T	-	-	79.592	-	79.592	127.264	23.169	26.430	79.830	Continuing	Continuing	
• Spares and Repair Parts BP16: FAB-T	-	-	3.363	-	3.363	1.393	1.352	1.241	1.263	Continuing	Continuing	
• Spares and Repair Parts BP86: FAB-T	-	-	44.436	-	44.436	39.419	24.417	49.942	50.827	Continuing	Continuing	

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D. Other Program Funding Summary (\$ in Millions)											
Line Item	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
Remarks											
Prior through FY15 APAF and OTHACF are in BA: 05, PE: 0303601F Lines #59 and #64. Prior through FY14 OPAF are in BA: 03, PE: 0303601F BPAC: 836780 Line #48.											
FY15 OPAF PROJECT: 836780 transferred to PROJECT: 836700 Line #48 same program element.											
FY15 APAF Spares and Repair Parts and FY15 OPAF Spares and Repair Parts are in PE: 0303601F.											
In FY16 APAF Spares and Repair Parts and FY16 OPAF Spares and Repair parts PE: 0303601F transferred to PE: 0303001F											
E. Acquisition Strategy											
In FY12, the government restructured the FAB-T development program to introduce competition into the acquisition strategy in order to reduce risk in delivering this capability as well as to drive down production costs. To ensure the best value to the government, the Air Force awarded production contracts in September 2013 to both contractors (Boeing and Raytheon). The production contracts began with production planning for both contractors. In June 2014, the Air Force down-selected to Raytheon. Development will continue with Raytheon and production of FAB-T Command Post Terminals. Production contract options to produce CPT terminals will be exercised after a successful Milestone C decision.											
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 0303001F / <i>Family of Advanced BLoS Terminals (FAB-T)</i>						Project (Number/Name) 672490 / <i>Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)</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
FAB-T Development	C/CPFF	Raytheon : Marlborough, MA	-	-		-		2.647	Oct 2015	-		2.647	-	2.647	-
Subtotal			-	-		-		2.647		-		2.647	-	2.647	-
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
Engineering DMS (FFRDC)	SS/CPAF	MITRE : Bedford, MA	-	-		-		0.349	Oct 2015	-		0.349	-	0.349	-
Subtotal			-	-		-		0.349		-		0.349	-	0.349	-
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
Government Test Support	Various	Various : Various,	-	-		-		0.200	Oct 2015	-		0.200	-	0.200	-
Subtotal			-	-		-		0.200		-		0.200	-	0.200	-
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
ETASS (Engineering & Technology Acq Spt Services) (PMA)	C/TBD	TBD : TBD,	-	-		-		0.365	Nov 2015	-		0.365	-	0.365	-
PASS (Professional Acq Spt Services) (PMA)	C/TBD	TBD : TBD,	-	-		-		0.346	Nov 2015	-		0.346	-	0.346	-
Subtotal			-	-		-		0.711		-		0.711	-	0.711	-

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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
Remarks ETASS and PASS recomplete in FY15.															
			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			-	-	-	-	-	3.907	-	3.907	-	3.907	-	3.907	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
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	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
FAB-T Raytheon Development Contract																												
FAB-T Production Downselect Decision																												
Milestone C Decision																												
FAB-T Production Contract Options																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303001F / <i>Family of Advanced BLoS Terminals (FAB-T)</i>	Project (Number/Name) 672490 / <i>Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
FAB-T Raytheon Development Contract	3	2014	1	2016
FAB-T Production Downselect Decision	3	2014	3	2014
Milestone C Decision	4	2015	4	2015
FAB-T Production Contract Options	4	2015	4	2020