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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0603840F I Global Broadcast Service (GBS)							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	14.632	-	-	-	-	-	-	-	-	Continuing	Continuing
65A023: Satellite Broadcast Management Transition	-	14.632	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
MDAP/MAIS Code: 326												
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
A. Mission Description and Budget Item Justification												
Global Broadcast Service provides the DoD with an efficient, high data rate broadcast capability from distributed information sources to dispersed warfighters who receive the broadcast directly on small, inexpensive user terminals. This Program Element funds the broadcast transmit activities associated with the GBS architecture. The GBS broadcast receive segment in PE 33601F consists of Service-funded terminals, known as Receive Suites, which receive the broadcast and then disseminate information to local users. Service Receive Suites and the integration into service networks are funded in other Program Elements. GBS broadcast data includes video (especially from Unmanned Aerial Vehicles), imagery, logistics, weather data, maps and operational orders. The GBS space segment includes transponders on operational Navy satellites, currently Ultra High Frequency Follow-On (UFO) 8 and UFO 10, augmentation by commercial leased Ku-band transponders, and now the Wideband Global SATCOM (WGS) System.												
The GBS broadcast segment consists of Satellite Broadcast Managers (SBMs) for the broadcast build and Primary Injection Points (PIPs) for the broadcast uplink, and the Transportable Satellite Broadcast Managers (TSBMs) for the broadcast build-in theatre. The SBMs and PIPs, together known as Transmit Suites, are located at Navy facilities. The Theatre Injection Point (TIP) is a ground mobile satellite terminal suite transportable via two heavy High Mobility Multi-purpose Wheeled Vehicles (HMMWV) consisting of the TSBM and the Army Phoenix terminal.												
The broadcast creation transitioned to existing Defense Information Systems Agency (DISA) Defense Enterprise Computing Centers (DECCs). The DECC will utilize a new hardware and software architecture to resolve impending Commercial Off the Shelf (COTS) obsolescence, Information Assurance compliance and sustainment issues. The DECC transition contract was awarded on 15 May 09. This effort was designated as an ACAT III program and funding was realigned (i.e., a separate project was created) to delineate between the current ACAT I GBS program and the ACAT III SBM Transition program.												
This effort continues SBM transition/upgrade to the DISA DECCs, as well as systems transmission security, test, information assurance, program office support and Operational Requirements Document (ORD) III studies. RDT&E Funding for this effort ended in FY13. No funding in FY15 is requested.												
Funding is in Budget Activity 5, System Development and Demonstration, since program is fielding pre-production equipment.												

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B. Program Change Summary (\$ in Millions)		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget		14.652	-	-	-	-
Current President's Budget		14.632	-	-	-	-
Total Adjustments		-0.020	-	-	-	-
• Congressional General Reductions		-1.255	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		1.235	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	-	-	-
Change Summary Explanation						
FY13: Decrease in Other Adjustments due to sequestration.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2013	FY 2014	FY 2015
Title: Satellite Broadcast Management Transition				14.632	-	-
Description: Develop a robust satellite broadcast management architecture and implement systems transmission security (TRANSEC).						
FY 2013 Accomplishments: Completed development and test of the satellite broadcast management architecture, and continue to perform final transition to DISA DECC.						
FY 2014 Plans: No plans in 2104; GBS broadcast transmissiom transitioned to the DISA DECC January 2014.						
FY 2015 Plans: N/A						
Accomplishments/Planned Programs Subtotals				14.632	-	-

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**D. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u> <u>Base</u>	<u>FY 2015</u> <u>OCO</u>	<u>FY 2015</u> <u>Total</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPAF: BA03: Line Item # 836780: <i>MILSATCOM Space</i>	-	-	3.314	-	3.314	3.329	3.311	3.057	2.783	-	129.979

**Remarks**

**E. Acquisition Strategy**

Awarded a new contract in FY09 based on full and open competition to transfer Satellite Broadcast Management functionality to two Defense Enterprise Computing Center (DECC) facilities.

**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.

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force		Date: March 2014
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0603840F / Global Broadcast Service (GBS)	Project (Number/Name) 65A023 / Satellite Broadcast Management Transition

GBS DECC Schedule

