

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0603840F: Global Broadcast Service (GBS)							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	5.631	14.652	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
65A023: Satellite Broadcast Management Transition	-	5.631	14.652	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
MDAP/MAIS Code(s): 326												
<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 <sup>##</sup> The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Global Broadcast Service provides 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 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.												
Currently, 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 DECC will utilize a new hardware and software architecture to resolve impending Commercial Off the Shelf (COTS) obsolescence, Information Assurance compliance and sustainment issues.												
During FY09 to the present, the broadcast creation transitions to existing Defense Information Systems Agency (DISA) Defense Enterprise Computing Centers (DECCs). This transition addresses SBM hardware/software obsolescence 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. Funding for this effort ended in FY13.												
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 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total		
Previous President's Budget					5.631	14.652	0.000	-	0.000		
Current President's Budget					5.631	14.652	0.000	-	0.000		
Total Adjustments					0.000	0.000	0.000	-	0.000		
• Congressional General Reductions					-	0.000					
• Congressional Directed Reductions					-	0.000					
• Congressional Rescissions					0.000	0.000					
• Congressional Adds					-	0.000					
• Congressional Directed Transfers					-	0.000					
• Reprogrammings					0.000	0.000					
• SBIR/STTR Transfer					0.000	0.000					
• Other Adjustments					0.000	0.000	0.000	-	0.000		
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2012	FY 2013	FY 2014	
Title: Satellite Broadcast Management Transition								5.631	14.652	0.000	
Description: Develop a robust satellite broadcast management architecture and implement systems transmission security (TRANSEC).											
FY 2012 Accomplishments: Continued development of a robust satellite broadcast management architecture and implemented systems TRANSEC.											
FY 2013 Plans: Completes development and transition of the TRANSEC compliant satellite broadcast management architecture to DISA DECC.											
Accomplishments/Planned Programs Subtotals								5.631	14.652	0.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• OPAF: BA03: Line Item # 836780: MILSATCOM Space	16.117	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	129.979
Remarks											

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<b>E. Acquisition Strategy</b> 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.		
<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 2014 Air Force</b>												<b>DATE:</b> April 2013			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> BA 5: <i>System Development &amp; Demonstration (SDD)</i>						<b>R-1 ITEM NOMENCLATURE</b> PE 0603840F: <i>Global Broadcast Service (GBS)</i>						<b>PROJECT</b> 65A023: <i>Satellite Broadcast Management Transition</i>			
<b>Product Development (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All 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>
DECC Transition	C/CPFF	Lockheed Martin Information Systems and Global Services:Gaithersburg, MD	-	1.117	Oct 2011	7.768	Oct 2012	0.000		-		0.000	Continuing	Continuing	
Phase 2 Government System Integration	Various	Various:Various,	-	2.960	Nov 2011	5.363	Oct 2012	0.000		-		0.000	Continuing	Continuing	
<b>Subtotal</b>			0.000	4.077		13.131		0.000		0.000		0.000			
<b>Support (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All 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 Support (Various)	Various	Various:,	-	0.796	Oct 2011	0.000		0.000		-		0.000	Continuing	Continuing	
<b>Subtotal</b>			0.000	0.796		0.000		0.000		0.000		0.000			
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All 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 and Evaluation (Various)	Various	Various:Various,	-	0.758	Nov 2011	0.773	Oct 2012	0.000		-		0.000	Continuing	Continuing	
<b>Subtotal</b>			0.000	0.758		0.773		0.000		0.000		0.000			
<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013</b>		<b>FY 2014 Base</b>		<b>FY 2014 OCO</b>		<b>FY 2014 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>All 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	Various	Various:Various,	-	0.000		0.748	Oct 2012	0.000		-		0.000	Continuing	Continuing	
<b>Subtotal</b>			0.000	0.000		0.748		0.000		0.000		0.000			

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					All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals					0.000	5.631		14.652		0.000		0.000		0.000			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

3600: Research, Development, Test & Evaluation, Air Force  
BA 5: System Development & Demonstration (SDD)

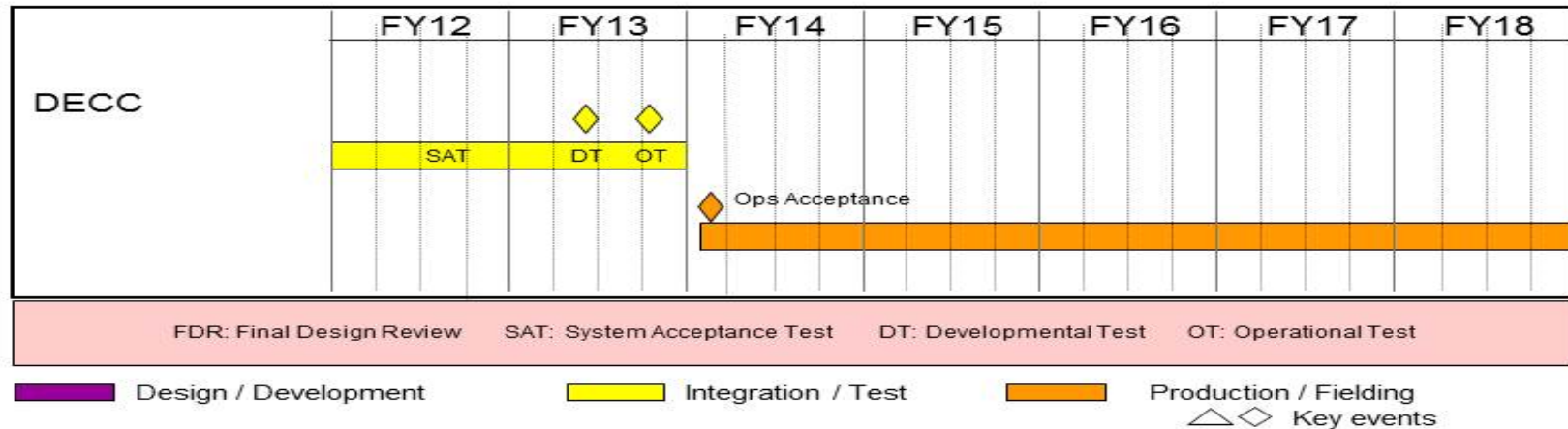
## R-1 ITEM NOMENCLATURE

PE 0603840F: Global Broadcast Service  
(GBS)

## PROJECT

65A023: Satellite Broadcast Management  
Transition

## GBS DECC Schedule



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Air Force			<b>DATE:</b> April 2013
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Systems Acceptance Test	3	2012	3	2012
Development Test	3	2013	3	2013
Operational Test	4	2013	4	2014
Operational Acceptance	1	2014	1	2014