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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 0605433F: WIDEBAND GLOBAL SATCOM (SPACE)							
COST (\$ in Millions)	All Prior Years	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
Total Program Element	-	0.000	0.000	13.948	-	13.948	16.817	17.096	18.104	18.430	Continuing	Continuing
657102: Command and Control Sys-Consolidated (CCS-C)	-	0.000	0.000	13.948	-	13.948	16.817	17.096	18.104	18.430	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
^{##} The FY 2014 OCO Request will be submitted at a later date												
Note												
In FY2014, Project 657102, CCS-C, efforts were transferred from PE 0603430F, Wideband Global SATCOM (Space), Project 644870, CCS-C, in order to transition to Budget Activity 5.												
A. Mission Description and Budget Item Justification												
The Military Satellite Communications (MILSATCOM) Command and Control System-Consolidated (CCS-C) system provides integrated launch and on-orbit command and control (C2) functionality, and backup operations at Schriever AFB and Vandenberg AFB, for MILSATCOM satellites as the legacy capability provided by the Air Force Satellite Control Network (PE 0305110F) has phased out according to plan. CCS-C uses modified commercial off the shelf hardware/software to control all emerging and legacy MILSATCOM systems including Milstar, Defense Satellite Communications System (DSCS), Wideband Global SATCOM (WGS) and Advanced Extremely High Frequency (AEHF) satellites.												
The CCS-C project 657102 funds system architecture evolution to provide increased performance for additional satellites; to comply with DoD, Air Force, and AFSPC-directed standards for Information Assurance, Satellite Control Standardization, and Net-Readiness; and to add Space Situational Awareness and new C2 training systems capabilities. The WGS and AEHF procurement program elements fund the mission unique software and databases for the WGS Block II Follow-On satellites and the AEHF 4-6 satellites, respectively.												
FY14 funds completion of architecture evolution studies, addition of new cross-domain capability, enhancement of Information Assurance posture, integration and tests of upgraded ground based cryptologic equipment, and initiation of architecture changes to increase WGS capacity and reduce system downtime.												
BA-5 - This program is in Budget Activity 5, System Development and Demonstration (SDD) because it is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.												

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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		0.000	0.000	0.000	-	0.000
Current President's Budget		0.000	0.000	13.948	-	13.948
Total Adjustments		0.000	0.000	13.948	-	13.948
• 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	13.948	-	13.948
Change Summary Explanation						
FY14: Other Adjustment row: \$13.948M, due to a change in Budget Activity from 4 to 5, funds have been transferred from PE 0603854F, Project 644870.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: CCS-C development				0.000	0.000	13.948
Description: Develop system architecture to provide enhanced C2 of MILSATCOM satellites and to add Space Situational Awareness and new C2 training systems capabilities.						
FY 2012 Accomplishments: Not applicable.						
FY 2013 Plans: Not applicable.						
FY 2014 Plans: Funds the completion of architecture evolution studies; addition of new cross-domain capability, enhancement of Information Assurance posture, integration and tests of upgraded ground based cryptologic equipment, and initiation of architecture changes to increase WGS capacity and reduce system downtime.						
Accomplishments/Planned Programs Subtotals				0.000	0.000	13.948

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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	0.252	0.259	0.261		0.261	0.267	0.272	0.277	0.282	Continuing	Continuing
• MPAF: BA05: Line Item # ADV555: Advanced EHF	0.000	0.000	8.600		8.600	9.400	15.110	14.860	10.500	4.000	62.470
• MPAF: BA05: Line Item # GAP000: Wideband Global System Procurement	0.000	0.000	10.361		10.361	11.134	7.883	10.136	2.755	0.000	42.269
• RDT&E: BA04: PE 0603854F: Wideband Global SATCOM RDT&E (Space)	12.077	12.027	0.000		0.000	0.000	0.000	0.000	0.000	0.000	24.719
Remarks											
E. Acquisition Strategy											
Competitive contract was awarded in November 2012 and began performance in January 2013. The CCS-C Production and Sustainment Contract (CPASC) includes effort to increase the capability of the CCS-C system to provide ongoing C2, launch readiness support, and anomaly resolution for MILSATCOM satellite families.											
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 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 0605433F: WIDEBAND GLOBAL SATCOM (SPACE)						PROJECT 657102: Command and Control Sys-Consolidated (CCS-C)			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Production and Sustainment Contract	C/FPIF	Kratos:San Diego, CA	-	0.000		0.000		11.302	Oct 2013	-		11.302	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.000		11.302		0.000		11.302			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CCS-C Systems Engineering and Integration	C/CPIF	TBD:TBD,	-	0.000		0.000		0.258	Oct 2013	-		0.258	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.000		0.258		0.000		0.258			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CCS-C Program Support Cost (PMA)	Various	Various:Various,	-	0.000		0.000		2.388	Oct 2013	-		2.388	Continuing	Continuing	TBD
Subtotal			0.000	0.000		0.000		2.388		0.000		2.388			
Project Cost Totals			0.000	0.000		0.000		13.948		0.000		13.948			

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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	
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)

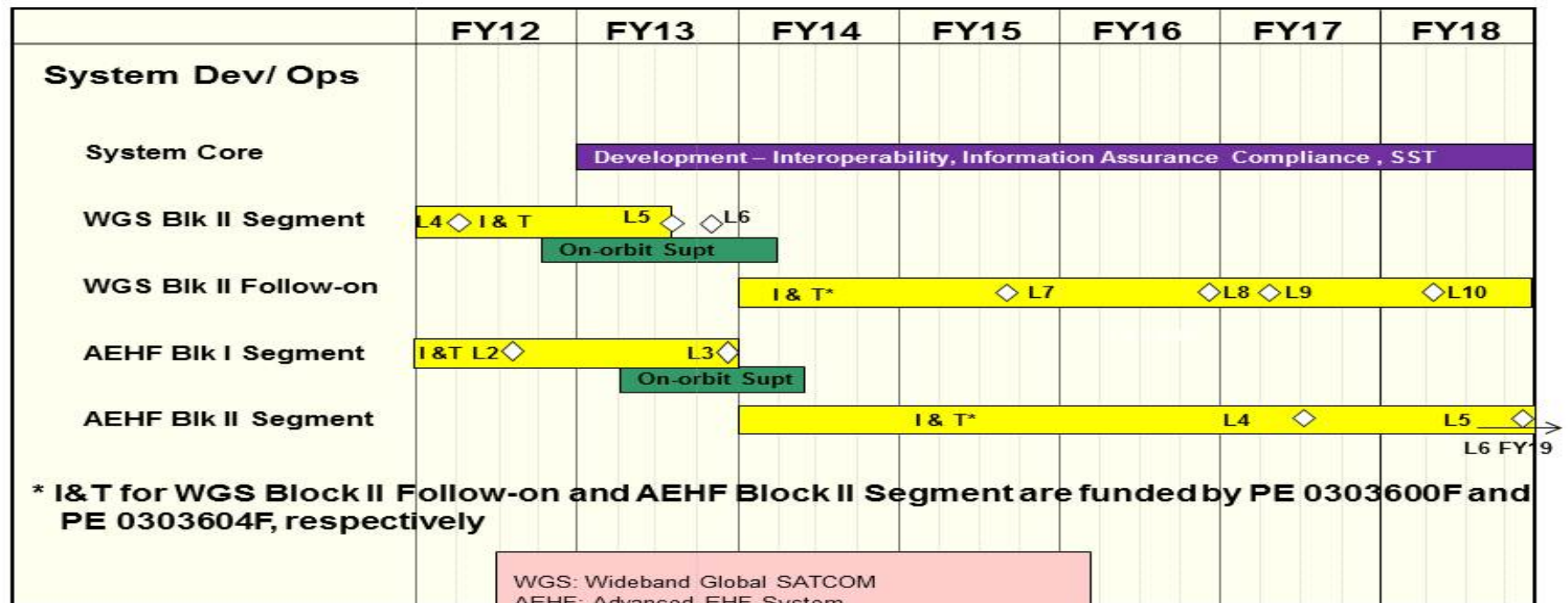
R-1 ITEM NOMENCLATURE

PE 0605433F: WIDEBAND GLOBAL
SATCOM (SPACE)

PROJECT

657102: Command and Control Sys-
Consolidated (CCS-C)

**These efforts are funded in PE 0605433F, Project 657102 beginning FY14.
Prior to FY14 these efforts are funded in PE 0603854F, Project 644870.**



Note: All CCS-C WGS-6 effort is funded by Australia

WGS: Wideband Global SATCOM
AEHF: Advanced EHF System
I & T: Integration and Test
KPP: Key Performance Parameter
SST: Standard Space Trainer

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
KS-252 Upgrade (KI-17 Replacement) [System Core Dev - Cryptologic equipment]	2	2014	2	2016
CCS-C 8500.2 Compliance [System Core Dev - Information Assurance Compliance]	1	2014	4	2018
Approved Cross-Domain Solution (CDS) [System Core Dev - Interoperability]	4	2014	4	2016
CCS-C Capacity and Archive Upgrades [System Core Dev - Architecture evolution]]	1	2014	4	2015
AFSCN Upgrade: TCP/IP, Unified S-Band [System Core Dev - Interoperability]	1	2016	4	2017