

**UNCLASSIFIED**

PE NUMBER: 0303150F

PE TITLE: WWMCCS/GLOBAL COMMAND & CONTROL SYSTEM

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>May 2009</b>
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<b>BUDGET ACTIVITY</b> <b>07 Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0303150F WWMCCS/GLOBAL COMMAND &amp; CONTROL SYSTEM</b>
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Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	3.174	3.209	3.149	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
4667 Global Command and Control System - AF	3.174	3.209	3.149	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

**(U) A. Mission Description and Budget Item Justification**

The Global Command and Control System (GCCS) is the Joint Command and Control (C2) System of Record and the designated C2 migration system for the DOD. It is an integrated Command, Control, Communications, Computer, and Intelligence (C4I) system capable of supporting all echelons of the US military command structure. GCCS solves C4I interoperability problems between Service components by establishing a Common Core Operating Environment supporting net-centric objectives. The GCCS-Air Force program provides C2, intelligence, surveillance, reconnaissance (ISR) and operational information for the Joint Force Air Component Commander (JFACC) and the Air and Space Operations Center-Weapon System (AOC-WS) for planning and execution, air space deconfliction, targeting, weaponeering and many other applications supporting air operational command and control, and fully supports the Aerospace Expeditionary Force (AEF) concept. The Air Force is responsible for developing four of the modules that make up the COE, and integration of Air Force unique applications with the COE. Integration efforts are directed towards future aerospace C2 concepts supporting requirements for the AOC, including ISR, and intended to automate operational systems with an objective of providing the right people with the right information at the right time while reducing the overall foot print of the system. As they become available, GCCS-AF will integrate applications into the WINx environment satisfying warfighter requirements for the Common Operational Picture (COP), Joint Warning and Reporting Network (JWARN), Joint Targeting Toolbox (JTT), Logistics Feasibility Analysis Capability (LOGFAC), Deliberate Crisis Action Planning and Execution Segment (DCAPES) capabilities and other information assurance mechanisms. Activities also include studies and analysis to support both current program planning and execution and future program planning.

The GCCS-AF program is actively supporting planning for transition of functionality to DOD's next generation Joint C2 enabler, the Net Enabled Command Capability (NECC) program. The GCCS-AF funding will be used to implement evolving Joint and Air Force GCCS functional capability as well as facilitate transition, development and delivery of functionality to the NECC system.

This effort is Budget Activity 7, Operational System Development, because the program develops and implements software upgrades for integrating existing operational systems and computer networks that will eventually evolve to the NECC system riding on the Global Information Grid.

## Exhibit R-2, RDT&amp;E Budget Item Justification

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07 Operational System Development

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0303150F WWMCCS/GLOBAL COMMAND &amp; CONTROL SYSTEM

(U) **B. Program Change Summary (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	4.471	3.218	3.203
(U) Current PBR/President's Budget	3.174	3.209	3.149
(U) Total Adjustments	-1.297	-0.009	
(U) Congressional Program Reductions			
Congressional Rescissions		-0.009	
Congressional Increases			
Reprogrammings	-1.180		
SBIR/STTR Transfer	-0.117		

(U) **Significant Program Changes:**

The FY09 \$4M Congressional Add was reprogrammed to the Integrated Command and Control Applications (IC2A) program (PE 64740F). This reprogramming action enables execution in accordance with Congressional intent.

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**May 2009**

BUDGET ACTIVITY <b>07 Operational System Development</b>					PE NUMBER AND TITLE <b>0303150F WWMCCS/GLOBAL COMMAND &amp; CONTROL SYSTEM</b>			PROJECT NUMBER AND TITLE <b>4667 Global Command and Control System - AF</b>		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
4667 Global Command and Control System - AF	3.174	3.209	3.149	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

**(U) A. Mission Description and Budget Item Justification**

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**(U) B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Continue Integration of Air Force Capabilities into GCCS (COP, DCAPES, ATO Reader, Joint Defensive Planner (JDP), Joint Targeting Toolbox (JTT)), Prototype Software Development, GCCS Migration Support	1.497	2.308	2.248
(U) GCCS-AF(I) Systems Engineering	1.677	0.901	0.901
(U) Total Cost	3.174	3.209	3.149

Exhibit R-2a, RDT&E Project Justification

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4667 Global Command and Control  
System - AF

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) Other Procurement, AF	14.222	10.767	10.055						Continuing	TBD
(U) Operations & Maintenance	38.844	48.976	44.460						Continuing	TBD

(U) **D. Acquisition Strategy**

GCCS-AF is developed and fielded using a spiral acquisition approach, synchronized with Common Operating Environment (COE) and compliant with the GCCS-Joint baseline. All deployment of GCCS-AF capabilities are synchronized with the GCCS-Joint Program fielding schedule, which is led by DISA. The GCCS-AF program is actively supporting DOD planning for transition of functionality to the NECC Program.

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**Exhibit R-3, RDT&E Project Cost Analysis**

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**May 2009**

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE			
<b>07 Operational System Development</b>				<b>0303150F WWMCCS/GLOBAL COMMAND &amp; CONTROL SYSTEM</b>					<b>4667 Global Command and Control System - AF</b>			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> WINxB	SS/FFP	Northrop Gruman ITS, Herndon VA		0.900	Oct-07	1.808	Nov-08	1.733	Nov-09	Continuing	TBD	
Subtotal Product Development			0.000	0.900		1.808		1.733		Continuing	TBD	0.000
Remarks:												
(U) <u>Support</u> Information Technology Services Program (ITSP) Systems Engineering Support	SS/FFP FFRDC/SS/ FFP	Various Mitre/ESC		1.677	Oct-07	0.901	Oct-08	0.916	Oct-09	0.000 Continuing	0.000 TBD	
Miscellaneous	SS/BOA	Various		0.297	Oct-07	0.200	Oct-08	0.200	Oct-09	Continuing	TBD	
Subtotal Support			0.000	1.974		1.101		1.116		Continuing	TBD	0.000
Remarks:												
(U) <u>Test &amp; Evaluation</u> Test and Accreditation	FCA	Multiple		0.300	Oct-07	0.300	Oct-08	0.300	Oct-09	Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.300		0.300		0.300		Continuing	TBD	0.000
Remarks:												
(U) Total Cost			0.000	3.174		3.209		3.149		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY  
07 Operational System Development

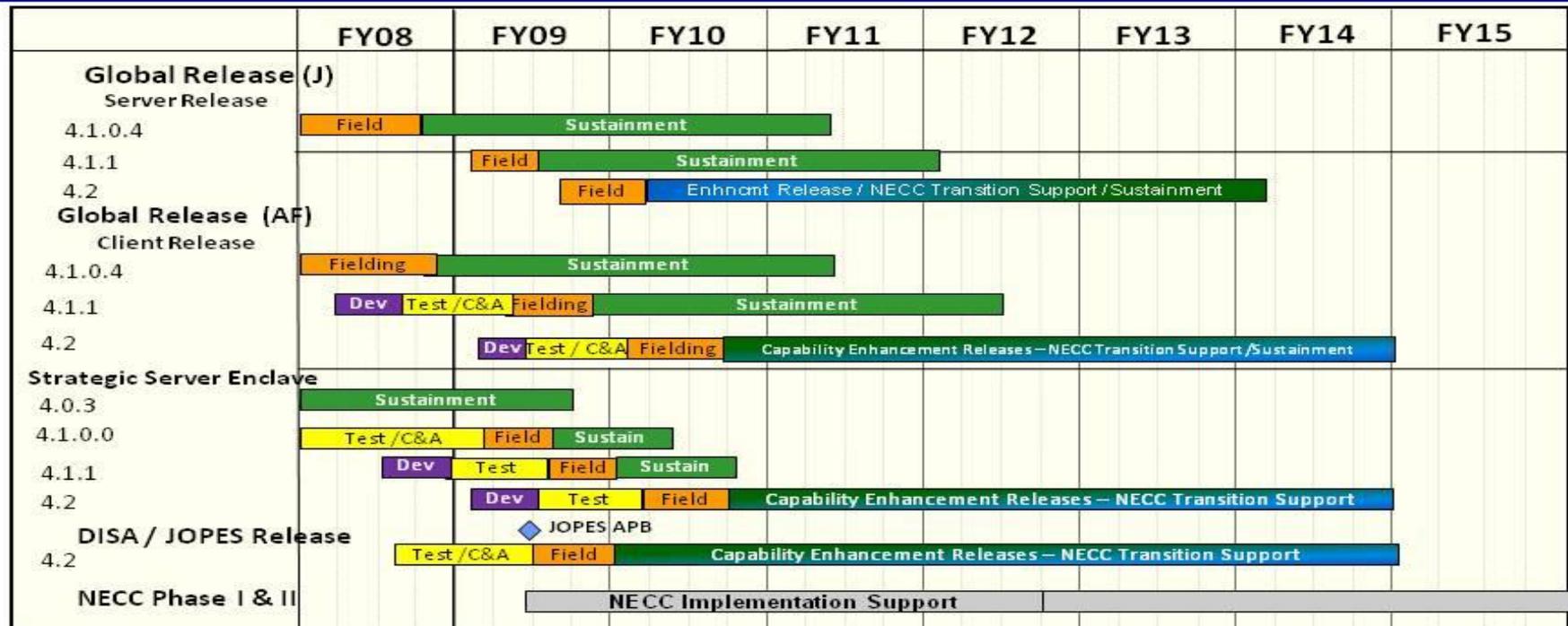
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# GCCS-AF(I) Integrated Schedule



Design / development    
  Integration / test    
  Capability Development / Enhancement Releases  
 Production / fielding    
  Sustainment    
  Development Efforts    
 ▲ ◆ Key events

*Integrity - Service - Excellence*

**Exhibit R-4a, RDT&E Schedule Detail**

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(U) <u>Schedule Profile</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) GCCS-AF v4.1.0.4: Global Release (GR)/Testing/Fielding	1-3Q		
(U) GCCS-AF v4.1.1: GR/ Development/Integration/Testing/Fielding	1-4Q	1-4Q	
(U) GCCS-AF v4.2: GR/ Development/Integration/Testing/Fielding		1-4Q	1-3Q
(U) GCCS-AF 4.1.0 Strategic Server Enclave (SSE) Integration/Testing/Fielding	1-4Q	1-3Q	
(U) GCCS-AF 4.1.1 SSE Development/Integration/Testing/Fielding	3-4Q	1-4Q	1Q
(U) GCCS-AF 4.2 SSE Development/Integration/Testing/Fielding		1-4Q	1-3Q

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