

UNCLASSIFIED

PE NUMBER: 0303158F
 PE TITLE: Joint Command and Control

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2008
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0303158F Joint Command and Control
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Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	5.651	5.745	3.234	3.139	3.125	5.202	5.306	Continuing	TBD
5216 JC2 Technology and System Development	5.651	5.745	3.234	3.139	3.125	5.202	5.306	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

Net Enabled Command Capability (NECC) - is the next generation of joint command and control (C2) capabilities for the Department of Defense. NECC will replace the Global Command and Control System (GCCS) Family of Systems (FoS). The GCCS program includes each of the component GCCS programs (i.e., GCCS-AF FoS, GCCS-M, GCCS-J and GCCS-A), which are the current programs of record within each component. These GCCS programs will transition into a single NECC development effort.

The Air Force's initial contribution to NECC Increment I (FY08-FY11) will be drawn from elements of the GCCS-Air Force Family of Systems (GCCS-AF FoS). GCCS-AF FoS consists of the following programs (each with their own program elements): TBMCS Force Level (TBMCS-FL), Joint Defensive Planner (JDP) - part of TBMCS-FL baseline program element, Joint Targeting Toolkit (JTT), GCCS-AF Infrastructure (GCCS-AF I), Deliberate Crisis Action Planning and Execution Segment (DCAPES) and the C2 portion of the Joint Environmental Toolkit (JET). Leveraging the capabilities provided by the Net-Centric Enterprise Services (NCES) program, NECC will accelerate the evolution towards a net-centric, web-based, open-system standards approach to providing C2 capabilities and services that will establish NECC as the core of the DoD C2 enterprise architecture.

All of the current GCCS-AF FoS will transition to NECC by the end of Increment I (FY08-FY11). NECC will deliver capabilities as stated in the JROC validated NECC Capability Development Document (CDD). NECC enhances the capabilities of the GCCS FoS and includes the migration of capabilities to a more modern, interoperable architecture. The Technology Development Phase underway encompasses risk reduction activities and engineering analyses with selected system and architectural analyses. The requested RDT&E funding is critical to support Air Force net-centric transformation efforts in the areas of strategic and operational command and control.

Funding for FY08 and beyond supports the Air Force contribution to NECC by maintaining the Air Force Component Program Management Office (CPMO) responsible for all AF acquisition activities related to NECC. The AF CPMO will be responsible for development, integration, architecture, system engineering, testing and transition planning, as directed by the DISA PEO for Command and Control Capabilities (PEO-C2C).

This effort is Budget Activity 7 and will perform efforts necessary to evaluate integrated technologies, representative modes or prototype joint C2 capabilities in a high fidelity and realistic operating environment.

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

	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Previous President's Budget	5.768	5.841	5.352
(U) Current PBR/President's Budget	5.651	5.745	3.234
(U) Total Adjustments	-0.117	-0.096	
(U) Congressional Program Reductions		-0.059	
Congressional Rescissions		-0.037	
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-0.117		
(U) <u>Significant Program Changes:</u>			
FY09 program reduction of \$2M is a result of higher Air Force priorities			

Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0303158F Joint Command and Control			PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development		
Cost (\$ in Millions)	FY 2007 Actual	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total
5216 JC2 Technology and System Development	5.651	5.745	3.234	3.139	3.125	5.202	5.306	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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

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(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
(U) Technical Engineering Services	2.100	2.100	1.800
(U) Program Management Support Activities	1.646	1.590	1.434
(U) Air Force Support to NECC Development and Piloting	1.905	2.055	0.000
(U) Total Cost	5.651	5.745	3.234

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY 2007</u>	<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>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>							
(U) Other Procurement, AF	0.000	0.000	5.349	5.669	6.729	7.454	5.502	Continuing	TBD
(U) Operations & Maintenance	0.000	0.000	0.000	0.000	0.000	4.100	3.300	Continuing	TBD

(U) D. Acquisition Strategy

The NECC acquisition strategy is being jointly developed by the Defense Information Systems Agency (DISA), the Component Program Management Offices (CPMOs), the Assistant Secretary of Defense for Networks and Information Integration (ASD (NII)), Under Secretary of Defense for Acquisition, Technology and Logistics (AT&L), and Joint Forces Command (JFCOM). As Lead Component for NECC, DISA has overall responsibility for development and coordination of an acquisition strategy to support Milestone B, which is planned for 2QFY08.

Each service/component will be responsible for awarded contracts or utilizing existing contracts to development C2 capabilities as described by the DISA NECC JPEO. Funding will also be provided by DISA JPEO.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2007 Cost</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>												
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Support</u>												
Technical Engineering Services	FP	MITRE, Bedford, MA	1.100	2.100	Nov-06	2.100	Nov-07	1.800	Nov-08	Continuing	TBD	TBD
Subtotal Support			1.100	2.100		2.100		1.800		Continuing	TBD	TBD
Remarks:												
(U) <u>Test & Evaluation</u>												
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
NECC Evaluation Capability Module (ECM) Piloting	MIPR, CPFF	46 TS Det 1, Eglin AFB 350 ELSG, Hanscom	0.507	1.905	Jan-07	2.055	Nov-07	0.000	Nov-08	Continuing	TBD	TBD
Program Management Support	CPFF	350 ELSG, Hanscom AFB, MA	2.991	1.646	Nov-06	1.590	Nov-07	1.434	Nov-08	Continuing	TBD	TBD
Subtotal Management			3.498	3.551		3.645		1.434		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			4.598	5.651		5.745		3.234		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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NECC Program Structure/Schedule



FY06				FY07				FY08				FY09				FY10				FY11				FY12				FY13			
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	1	2	3	4

AF Component PMO Support to NECC



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Increment 1/
Inc 2 (planned)



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Exhibit R-4a, RDT&E Schedule Detail

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(U) Schedule Profile

FY 2007

FY 2008

FY 2009

(U) AF CPMO Support to NECC

1-4Q

1-4Q

1-4Q

(U) Air Force Support for NECC Increment I Tech Demo Phase

1-4Q

1Q

(U) Air Force Support for NECC Increment I System Design and Development (SDD) and Deployment Phases

2-4Q

1-4Q