

**UNCLASSIFIED**

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

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>May 2009</b>
---	-------------------------

<b>BUDGET ACTIVITY</b> <b>07 Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0303158F Joint Command and Control</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
Total Program Element (PE) Cost	5.585	3.225	3.087	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5216 JC2 Technology and System Development	5.585	3.225	3.087	0.000	0.000	0.000	0.000	0.000	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. The focus of NECC Increment 1 is transitioning the current Global Command and Control System (GCCS) Family of Systems (FoS) functionality and program enhancements into a single Joint program. 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 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 capabilities will transition to NECC by the end of Increment I. 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. Activities also include studies and analysis to support both current program planning and execution and future program planning. 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.

Exhibit R-2, RDT&E Budget Item Justification

DATE

May 2009

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0303158F Joint Command and Control

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	5.841	3.234	3.139
(U) Current PBR/President's Budget	5.585	3.225	3.087
(U) Total Adjustments	-0.256	-0.009	
(U) Congressional Program Reductions	-0.059		
Congressional Rescissions	-0.037		
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer	-0.160	-0.009	
(U) <u>Significant Program Changes:</u>			

## Exhibit R-2a, RDT&amp;E Project Justification

DATE

May 2009

BUDGET ACTIVITY		PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE		
07 Operational System Development		0303158F Joint Command and Control						5216 JC2 Technology and System Development		
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
5216 JC2 Technology and System Development	5.585	3.225	3.087	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**

Net Enabled Command Capability (NECC) is the next generation of joint command and control (C2) capabilities for the Department of Defense. The focus of NECC Increment 1 is transitioning the current Global Command and Control System (GCCS) Family of Systems (FoS) functionality and program enhancements into a single Joint program. 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 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 capabilities will transition to NECC by the end of Increment I. 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. Activities also include studies and analysis to support both current program planning and execution and future program planning. 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.

Exhibit R-2a, RDT&E Project Justification

DATE

May 2009

BUDGET ACTIVITY <b>07 Operational System Development</b>	PE NUMBER AND TITLE <b>0303158F Joint Command and Control</b>	PROJECT NUMBER AND TITLE <b>5216 JC2 Technology and System Development</b>
---	--	---

(U) <b><u>B. Accomplishments/Planned Program (\$ in Millions)</u></b>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Technical Engineering Services	2.499	1.791	1.775
(U) Program Management Support Activities	1.685	1.434	1.312
(U) Air Force Support to NECC Development and Piloting	1.401	0.000	0.000
(U) Total Cost	5.585	3.225	3.087

(U) <b><u>C. Other Program Funding Summary (\$ in Millions)</u></b>	<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	0.000	5.333	5.669						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 US Joint Forces Command (USJFCOM). As Lead Component for NECC, DISA has overall responsibility for development and coordination of an acquisition strategy to support Milestone B.

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

UNCLASSIFIED

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

DATE

**May 2009**

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE			
<b>07 Operational System Development</b>				<b>0303158F Joint Command and Control</b>					<b>5216 JC2 Technology and System Development</b>			
(U) <u>Cost Categories</u> (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>												
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	4.200	2.499	Nov-07	1.791	Dec-08	1.748	Nov-09	Continuing	TBD	TBD
Subtotal Support			4.200	2.499		1.791		1.748		Continuing	TBD	TBD
Remarks:												
(U) <u>Test &amp; 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 Capability Module (CM) Piloting	MIPR, CPFF	46 TS Det 1, Eglin AFB 350 ELSG, Hanscom	2.022	1.685	Nov-07	0.000		0.000		Continuing	TBD	TBD
Program Management Support	CPFF	350 ELSG, Hanscom AFB, MA	4.671	1.401	Nov-07	1.434	Nov-08	1.339	Nov-09	Continuing	TBD	TBD
Subtotal Management			6.693	3.086		1.434		1.339		Continuing	TBD	TBD
Remarks:												
(U) Total Cost			10.893	5.585		3.225		3.087		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

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

FOR OFFICIAL USE ONLY



# NECC Increment 1 Schedule

	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15
AF PM Support	[Purple bar spanning FY08 to FY15]							
AF Procurement		[Cyan bar spanning FY09 to FY15]						
DISA Incr. 1 Schedule	[Purple bar: TD Phase]		[Orange bar: System Development & Demo Phase]					
			MS B	MS C				

*Integrity - Service - Excellence*

7/08 ITAB v3

Exhibit R-4a, RDT&E Schedule Detail

DATE

May 2009

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) <b>Schedule Profile</b>			
(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	1-4Q	1Q
(U) Air Force Support for NECC Increment I System Design and Development (SDD) and Deployment Phases			2-4Q

**THIS PAGE INTENTIONALLY LEFT BLANK**