

UNCLASSIFIED

PE NUMBER: 0303158F

PE TITLE: Joint Command and Control

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0303158F Joint Command and Control

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	5.200	5.200	5.200	5.200	5.200	5.200	0.000	0.000
4667 JC2 Technology and System Development	0.000	0.000	5.200	5.200	5.200	5.200	5.200	5.200	0.000	0.000

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

Joint Command and Control (JC2) is the next generation of command and control capabilities for the Department of Defense. JC2 will eventually replace the Global Command and Control System (GCCS) 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 systems of record within each component. These GCCS programs will eventually transition into a single Joint Command and Control (JC2) Capability effort. JC2 will consist of eight Mission Capability Packages: Situational Awareness, Force Readiness, Force Projection, Intelligence, Force Protection, Force Employment (Air/Space), Force Employment (Land Operations), and Force Employment (Maritime/Littoral Operations).

The Air Force's initial contribution to JC2 will be drawn from 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), Time Critical Targeting Functionality (TCT-F), 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). Using the concepts and capabilities of Net-Centric Enterprise Services, JC2 will provide a vast range of command and control capabilities to the warfighter. JC2 will begin an accelerated evolution toward a more net-centric, web-based, open system standards approach to providing C2 capabilities and services that will establish JC2 as the core of the DoD Command and Control architecture.

The current GCCS-AF FoS will transition to JC2 in the future. JC2 will deliver the capabilities as stated in the updated Operational Requirements Document (ORD) and complementing Capabilities Development Document (CDD). JC2 expands the capabilities developed and integrated into the GCCS FoS including the migration of capabilities to a more modern architecture. Risk reduction activities and engineering analysis with selected system and architectural analysis will provide the initial steps of the technical development. The requested RDT&E funding is critical to support Air Force Transformation efforts in the area of strategic and operational command and control.

Funding for FY06 and beyond will support the Air Force contribution of JC2 by establishing the Air Force Program Management Office (PMO) responsible for all AF acquisition activities related to JC2. The AF PMO will be responsible for development, integration, architecture, system engineering, testing and transition planning, as directed by the JC2 Joint Program Office (JPO).

This effort is Budget Activity 4, and will perform the efforts necessary to evaluate integrated technologies, representative modes or prototype joint command and control capabilities in a high fidelity and realistic operating environment.

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget				
(U) Current PBR/President's Budget	0.000	0.000	5.200	5.200
(U) Total Adjustments	0.000	0.000		
(U) Congressional Program Reductions				
Congressional Rescissions				
Congressional Increases				
Reprogrammings				
SBIR/STTR Transfer				

(U) **Significant Program Changes:**

In the FY05 President's Budget (PB), the Office of the Secretary of Defense (OSD) notified Congress of the Joint Command and Control (JC2) program new start and established Defense Information Systems Agency (DISA) Program Element (PE) 0303158K. JC2 will be managed as a joint program led by OSD/NII (Networks and Information Integration) with each Component having associated PEs. PE 0303158F is the Air Force (AF) PE associated with the JC2 program.

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 4667 JC2 Technology and System Development		
Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4667 JC2 Technology and System Development	0.000	0.000	5.200	5.200	5.200	5.200	5.200	5.200	0.000	0.000
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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This effort is Budget Activity 4, and will perform the efforts necessary to evaluate integrated technologies, representative modes or prototype joint command and control capabilities in a high fidelity and realistic operating environment.

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) JC2 Program Management			5.200	5.200
(U) Total Cost	0.000	0.000	5.200	5.200

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

<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) N/A

(U) D. Acquisition Strategy

The JC2 Acquisition Management Approach and Strategy is currently being developed by the Assistant Secretary of Defense for Networks and Information Infrastructure (ASD-NII), the Joint Forces Command (JFCOM), the Services and DISA. The Acquisition Strategy will be developed after JC2 achieves Milestone (MS) A (projected for 3rd quarter FY 2005) as a requirement from the Acquisition Decision Memorandum (ADM).

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2004</u> <u>Cost</u>	<u>FY 2004</u> <u>Cost</u>	<u>FY 2004</u> <u>Award</u> <u>Date</u>	<u>FY 2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Award</u> <u>Date</u>	<u>FY 2006</u> <u>Cost</u>	<u>FY 2006</u> <u>Award</u> <u>Date</u>	<u>FY 2007</u> <u>Cost</u>	<u>FY 2007</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Support</u>														
Technical Engineering Services	FP	TBD						2.100	Nov-05	2.100	Nov-06	Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		2.100		2.100		Continuing	TBD	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Management</u>														
Program Office Management		TBD						0.700		0.700		Continuing	TBD	
Program Management Support	C/CPFF	TBD						2.400	Nov-05	2.400	Nov-06	Continuing	TBD	
Subtotal Management			0.000	0.000		0.000		3.100		3.100		Continuing	TBD	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		5.200		5.200		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

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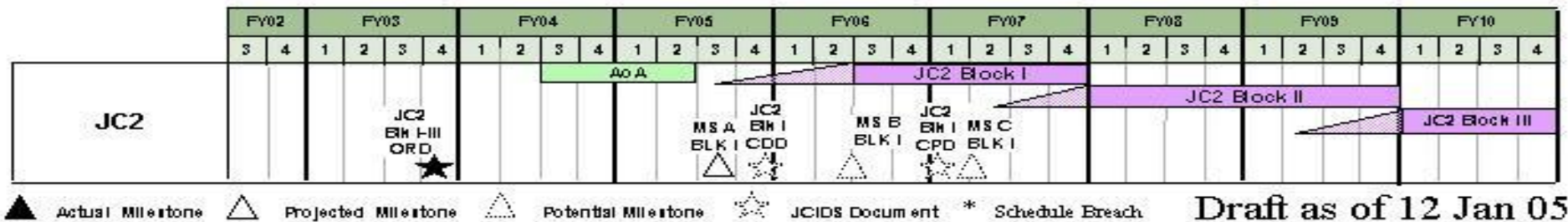
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* This schedule represents the overall JC2 schedule. AF funding supports this schedule.

* FY04-05 activities are funded by OSD.

LEGEND:

AoA – Analysis of Alternatives

BLK – Block

CDD – Capability Development Document

CPD – Capability Production Document

JCIDS – Joint Capabilities Integration and Development System

MS – Milestone

ORD – Operational Requirements Document

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Exhibit R-4a, RDT&E Schedule Detail

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Development(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) Block 1 Milestone A

3Q

(U) Block 1 Milestone B

3Q

(U) Block 1 Milestone C

2Q