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

Exhibit R-2, RDT&E Budget Item Justification				DATE February 2006

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)		PE NUMBER AND TITLE 0303158F Joint Control and Command	

Cost ($ in Millions)		FY 2005 Actual	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	5.125	5.818	5.778	5.281	5.280	5.281	0.000	0.000
5216	JC2 Technology and System Development	0.000	5.125	5.818	5.778	5.281	5.280	5.281	0.000	0.000

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

In FY06, PE 0303158F, is a new start effort.

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) Family of Systems (FoS) 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 is 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 supports the Air Force contribution to 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.

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2006

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0303158F Joint Control and Command

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

	FY 2005	FY 2006	FY 2007
(U) Previous President's Budget	0.000	5.200	5.200
(U) Current PBR/President's Budget	0.000	5.125	5.818
(U) Total Adjustments	0.000	-0.075	
(U) Congressional Program Reductions			
Congressional Rescissions	0.000	-0.075	
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-2 (PE 0303158F)

	Exhibit R-2a, RDT&E Project Justification						DATE February 2006			

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)				PE NUMBER AND TITLE 0303158F Joint Control and Command			PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development			

	Cost ($ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5216	JC2 Technology and System Development	0.000	5.125	5.818	5.778	5.281	5.280	5.281	0.000	0.000
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

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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) Family of Systems (FoS) 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).

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Exhibit R-2a, RDT&E Project Justification		DATE February 2006

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0303158F Joint Control and Command	PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development

(U) **B. Accomplishments/Planned Program ($ in Millions)**	FY 2005	FY 2006	FY 2007
(U) Technical Engineering Services	0.000	2.100	2.400
(U) Program Management Support Activities (Systems Engineering, etc.)	0.000	2.325	2.718
(U) Air Force Component Program Management Organization	0.000	0.700	0.700
(U) Total Cost	0.000	5.125	5.818

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

	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
(U) N/A									

(U) **D. Acquisition Strategy**

The JC2 Capability Acquisition Approach and Strategy is currently being developed by the Assistant Secretary of Defense for Networks and Information Integration (ASD (NII)), Joint Forces Command (JFCOM), the Services and the Defense Information Systems Agency (DISA). The Acquisition Strategy will be developed after the JC2 Capability effort achieves Milestone (MS) A (projected for 2nd quarter FY 2006) as a requirement from the Acquisition Decision Memorandum (ADM).

Exhibit R-3, RDT&E Project Cost Analysis	DATE February 2006

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0303158F Joint Control and Command	PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development

(U) Cost Categories (Tailor to WBS, or System/Item Requirements) ($ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY 2005 Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development											0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Support												
Technical Engineering Services	FP	TBD	0.000	0.000		2.100	May-06	2.400	Nov-06	Continuing	TBD	
Subtotal Support			0.000	0.000		2.100		2.400		Continuing	TBD	0.000
Remarks:												
(U) Test & Evaluation											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) Management												
Program Office Management		TBD	0.000			0.700		0.700		Continuing	TBD	
Program Management Support	CPFF	TBD	0.000	0.000		2.325	May-06	2.718		Continuing	TBD	
Subtotal Management			0.000	0.000		3.025		3.418		Continuing	TBD	0.000
Remarks:												
(U) Total Cost			0.000	0.000		5.125		5.818		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile	DATE February 2006

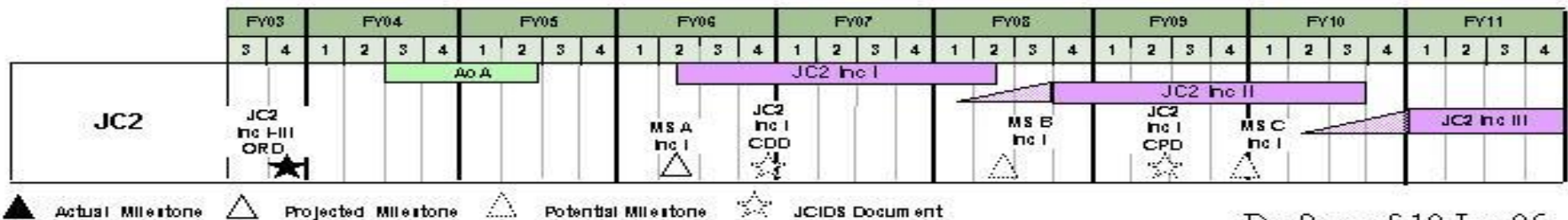| BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0303158F Joint Control and Command	PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development

Joint Command and Control*

	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
	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	1 2 3 4

JC2

AoA

JC2 Inc I

JC2 Inc II

JC2 Inc III

JC2 Inc I-III ORD

MS A Inc I

JC2 Inc I CDD

MS B Inc I

JC2 Inc I CPD

MS C Inc I

▲ Actual Milestone △ Projected Milestone △ Potential Milestone ☆ JCIDS Document

Draft as of 10 Jan 06

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

* FY05 activities were funded by OSD.

LEGEND:

AoA – Analysis of Alternatives
CDD – Capability Development Document
CPD – Capability Production Document
Inc - Increment
JCIDS – Joint Capabilities Integration and Development System
MS - Milestone
ORD – Operational Requirements Document

Project 5216	R-1 Shopping List - Item No. 174-7 of 174-8	Exhibit R-4 (PE 0303158F)

Exhibit R-4a, RDT&E Schedule Detail	DATE February 2006

BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0303158F Joint Control and Command	PROJECT NUMBER AND TITLE 5216 JC2 Technology and System Development

(U) **Schedule Profile**	FY 2005	FY 2006	FY 2007
(U) Increment I Milestone A		2Q	
(U) Air Force Support for JC2 Increment I Development		2-4Q	1-4Q

Project 5216   R-1 Shopping List - Item No. 174-8 of 174-8   Exhibit R-4a (PE 0303158F)