CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification					DATE: **February 2006**		
APPROPRIATION/BUDGET ACTIVITY **RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA4**			R-1 ITEM NOMENCLATURE 0603237N Deployable Joint Command & Control (DJC2)				
COST ($ in Millions)	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost	**41.940**	**40.841**	**16.383**	**41.741**	**7.883**	**8.025**	**8.179**
3050 Deployable Joint Command & Control	**41.940**	**40.841**	**16.383**	**41.741**	**7.883**	**8.025**	**8.179**
Quantity of RDT&E Articles							

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Deployable Joint Command and Control (DJC2) is a SecDef and Chairman, Joint Chiefs of Staff (CJCS) priority DoD transformation initiative that provides a deployable, scalable and tailorable headquarters command and control (C2) capability for each Regional Combatant Commander (RCC), and one maritime variant. It is the materiel solution to Standing Joint Force Headquarters (SJFHQ), a new capability to be implemented at each RCC starting in FY05. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. The DJC2 program addresses both the Quadrennial Defense Review (QDR) finding that a joint command and control architecture needs to be developed for standing Joint Task Forces (JTFs) at each of the RCCs and the need for a deployable Joint Command and Control System described in the Transformation Study Report presented to the Secretary of Defense in April 2001. It integrates lessons learned from U.S. Central Command's deployable headquarters funded from the FY 2001 Emergency Supplemental Act for Recovery from and Response to Terrorist Attacks on the United States. The JCS/Joint Requirement Oversight Council (JROC) has approved the DJC2 Mission Needs Statement (MNS) and Operational Requirements Document (ORD).

DJC2 seeks to provide standing, and standardized, joint C2 systems that can be deployed by RCCs or JTFs and the new SJFHQ concept and doctrine being developed by Joint Forces Command in coordination with other RCCs and the Joint Staff, as tasked by Defense Program Guidance (DPG). RCC and JTF commanders will use a deployable joint command and control capability for day-to-day operations, as well as when deployed for training or contingency operations. The capability is intended for all levels of conflict and will be reconfigurable to meet specific RCC and JTF mission requirements. This capability must be interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.

DJC2 will utilize Global Command and Control System (GCCS) in its core suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J.

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The RDT&E line supports an evolutionary acquisition strategy. The intent of this strategy is to develop a system based upon a current understanding of joint requirements, rapidly field systems based upon those requirements, analyze operational utilization of the systems, and roll the results of the analysis into periodic upgrades of the systems to maintain currency and maximize operational effectiveness. Maximum use will be made of commercial technologies; technology insertion of each DJC2 suite will be made approximately every three years. The baseline Increment I configuration will be based upon existing S&T initiatives, Advanced Concepts Technology Demonstration (ACTD) Programs, programs of record, and fielded capabilities of the services and defense agencies, scaled to the RCC level. The Increment II and subsequent deliveries will include newly developed capabilities based on emergent, joint requirements and operational feedback from utilization of earlier delivered systems, as well as incorporation of new commercial technologies.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES because it develops and integrates hardware and software for experimental tests related to specific applications.

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CLASSIFICATION:

EXHIBIT R-2, RDT&E Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 DJC2

(U) C. PROGRAM CHANGE SUMMARY:

(U) Funding:	FY 2005	FY 2006	FY 2007
FY06 President's Budget	41.984	41.464	7.895
FY07 President's Budget	41.940	40.841	16.383
Total Adjustments	-0.044	-0.623	8.488

Summary of Adjustments

Federal Technology Transfer	-0.012		
Department of Energy	-0.032		
SEC. 8125 Reduction		-0.189	
Congressional Action 1% Reduction		-0.434	
Contract Support Reduction			-0.282
NWCF Civpers Efficiencies			-0.118
Program Increase Deployable Joint Command and Control			8.800
CIVPERS Pay raise rate change			0.053
Inflation Adjustment			0.035
Subtotal	-0.044	-0.623	8.488

(U) Schedule:

Not Applicable

(U) Technical:

Not Applicable

EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 DJC2

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	18.166	20.437	4.035
RDT&E Articles Quantity			

FY05- Performed system engineering analysis and integration (SE&I) activities associated with the follow-on increment requirements update and design process. Refined configuration management baselines and Technology Development Plan. Utilized analysis, architectural design, and design review processes to perform detailed design for technologies identified as part of the technology insertion process for Increment I.

FY06 - Begin assessment and detailed planning for follow-on increment and methodology necessary to implement that design into the engineering test bed, as well as the JFCOM, PACOM, and CENTCOM systems. Refine Architecture views necessary to support follow-on Increment Information Support Plan, Cost Documentation, Testing, and Capabilities Production Document. Perform necessary requirements decomposition using Rational Unified Process, driving toward a production level specification. Begin testing and integrating service based architecture, refining knowledge management procedures necessary for incorporation into the GIG-ES. Evaluate and begin transition of hardware toward Internet Protocol 6.0. Identify solution for Multi-Level Security and when chosen, evaluate impact on IT server size and deployability. Determine impact on bandwidth and refinement of data reachback procedures to specified Centers of Excellence, optimizing only handling information once (OHIO). Conduct necessary design reviews to validate proposed design. Continue analysis and architectural design for technologies identified as part of the technology insertion process for Increment I.

FY07- Perform system engineering analysis and integration (SE&I) activities. Conduct analysis and architectural design reviews for enhanced technologies identified as part of the technology insertion process for Increment I.

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	7.590	4.396	5.668
RDT&E Articles Quantity			

FY05 - Utilized the initial test facility to support extended development of commercial technologies to develop deployable C2 centers for each of the four RCCs and one maritime platform. Utilized this initial test facility to further refine the requirements for the DJC2 material solution based upon experimentation and Advanced Concepts Technology Demonstration (ACTD) results. Developed and implemented changes in the DJC2 RDT&E test bed based on lessons learned in ACTDs and operations/exercises. Utilized the test bed in realistic military demonstrations, and on that basis, made assessments of the military utility.

FY06-07 - Develop and implement changes in the DJC2 RDT&E test bed based on lessons learned in ACTDs and operations/exercises. Utilize the test bed in realistic military demonstrations, and on that basis, make assessments of the military utility.

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 DJC2

(U) B. Accomplishments/Planned Program

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	3.483	3.900	4.250
RDT&E Articles Quantity			

FY05 - Analyzed, prepared, and performed In-Process Review (IPR), and Milestone acquisition activities for Increment II and beyond.

FY06-07 Continue to analyze, prepare, and perform Milestone B, In-Process Review (IPR), and Milestone C activities for Increment I, II and beyond.

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	12.701	10.129	0.000
RDT&E Articles Quantity			

FY05 - Obtained and tested select commercial technology which enhances warfighter capability and, when deemed appropriate, placed on the roadmap for insertion. Validated technical concepts and technologies.

FY06 - Continue to validate technical concepts and technologies to be recommended for inclusion into the follow-on increments.

	FY 05	FY 06	FY 07
Accomplishments/Effort/Subtotal Cost	0.000	1.979	2.430
RDT&E Articles Quantity			

FY06 - 07 Provide technology refresh and component upgrade for the CONOPS Experimentation System at JFCOM

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2006
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA 4**	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME 3050 DJC2

(U) D. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. & Name	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Cost
OPN BLI 2804	34,809	27,681	0	25,692	0	0	0	Cont.	Cont.

(U) E. ACQUISITION STRATEGY:

This RDT&E line supports an evolutionary acquisition strategy. The intent of this strategy is to: develop a system based upon a current understanding of joint requirements; rapidly field systems based upon those requirements; analyze operational utilization of the systems; and roll the results of the analysis into periodic upgrades of the systems to maintain currency and maximize operational effectiveness. The Increment I configuration will be based upon existing C4I systems, scaled to the Combatant Command level. The follow-on configurations will include newly developed capabilities based on emergent, joint requirements and operational feedback based upon utilization of earlier delivered systems.

(U) G. METRICS:

Earned Value Management (EVM) is used for metrics reporting and risk management.

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 1) — DATE: **February 2006**

APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT	PROJECT NUMBER AND NAME
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 DJC2

Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware Development	VAR	NSWC, Crane, USA, & VAR	9.900	3.000	VAR	3.000	VAR	2.430	VAR	Continuing	Continuing	
Ancillary Hardware Development												
Aircraft Integration												
Ship Integration												
Ship Suitability												
Systems Engineering	VAR	VAR	19.175	6.461	VAR	11.986	VAR	4.035	VAR	Continuing	Continuing	
Training Development												
Engineering Facility Development	WX	NSWC, CSS	13.000	3.590	VAR	7.355	VAR	2.668	VAR	Continuing	Continuing	
Tooling												
GFE												
Award Fees												
Subtotal Product Development			42.075	13.051		22.341		9.133		Continuing	Continuing	

Remarks:

Development Support												
Software Integration	VAR	NSWC, CSS & VAR	17.680	9.469	VAR	8.000	VAR	2.000	VAR	Continuing	Continuing	
Integrated Logistics Support												
Configuration Management												
Technical Investigations	VAR	NTA & VAR	6.309	3.000	VAR	3.000	VAR			Continuing	Continuing	
Trade-off Studies & Analyses	VAR	NTA & VAR	5.000	2.000	VAR	2.000	VAR			Continuing	Continuing	
GFE												
Award Fees												
Subtotal Support			28.989	14.469		13.000		2.000		Continuing	Continuing	

Remarks:

CLASSIFICATION:

Exhibit R-3 Cost Analysis (page 2)					DATE: **February 2006**						
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA 4**		PROGRAM ELEMENT 0603237N Deployable Joint Command & Control			PROJECT NUMBER AND NAME 3050 DJC2						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 05 Cost	FY 05 Award Date	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MPR	46th Test Wing & VAR	3.000	4.000	VAR			0.500	VAR	Continuing	Continuing	
Operational Test & Evaluation	VAR	OPTEVFOR & VAR	3.500	4.000	VAR			0.500	VAR	Continuing	Continuing	
Live Fire Test & Evaluation												
Test Assets	MPR	Eglin AFB & VAR	1.000	1.000	VAR	1.000	VAR			Continuing	Continuing	
Tooling												
GFE												
Award Fees												
Subtotal T&E			7.500	9.000		1.000		1.000		Continuing	Continuing	
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support	VAR	NSWC, CSS & VAR	16.438	5.420	VAR	4.500	VAR	4.250	VAR	Continuing	Continuing	
Travel												
Transportation												
Subtotal Management			16.438	5.420		4.500		4.250		Continuing	Continuing	
Remarks:												
Total Cost			95.002	41.940		40.841		16.383		Continuing	Continuing	
Remarks:												

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CLASSIFICATION:

EXHIBIT R4, Schedule Profile | DATE: **February 2006**

APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 DJC2

Fiscal Year	2005				2006				2007				2008				2009				2010				2011			
	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
Acquisition Milestones																												
MILESTONE B							△ Increment II																					
MILESTONE C		▲ Increment I									△ Increment II																	
Test & Evaluation Milestones																												
Development Test			▲ DT																									
Operational Test						△ OT																						
Production Milestones																												
Deliveries																												

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CLASSIFICATION:

Exhibit R-4a, Schedule Detail				DATE: **February 2006**			
APPROPRIATION/BUDGET ACTIVITY **RDT&E, N / BA 4**				PROJECT NUMBER AND NAME 3050 DJC2			
Schedule Profile	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011
MILESTONE B							
INCREMENT I							
INCREMENT II		3Q					
MILESTONE C							
INCREMENT I	2Q						
INCREMENT II			3Q				
TEST AND EVALUATION MILESTONES							
DEVELOPMENTAL TEST	3Q						
OPERATIONAL TEST		2Q					

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