

## CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification				DATE: <b>May 2009</b>				
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY / BA4</b>			R-1 ITEM NOMENCLATURE 0603237N Deployable Joint Command & Control (DJC2)					
COST (\$ in Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Total PE Cost	<b>8.906</b>	<b>7.073</b>	<b>6.032</b>					
3050 Deployable Joint Command & Control	<b>8.906</b>	<b>5.876</b>	<b>6.032</b>					
9999 CONGRESSIONAL ADDS	<b>0.000</b>	<b>1.197</b>	<b>0.000</b>					
Quantity of RDT&E Articles								
<p><b>A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b>  Deployable Joint Command and Control (DJC2) is a Secretary of Defense (SecDef) and Chairman, Joint Chiefs of Staff (CJCS) priority DoD transformation initiative that is providing a standardized, integrated, rapidly deployable, modular, scaleable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the material solution to Defense Planning Guidance (DPG) that called for the development of Standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and Joint Force Commanders (JFCs) a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of Joint Task Force (JTF) operations. 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 GCCs and the need for a deployable Joint Command and Control System described in the Transformation Study Report presented to the Secretary of Defense, April, 2001. It integrates the requirements for and 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. DJC2 is supported by SECDEF and CJCS. The JCS/Joint Requirement Oversight Council (JROC) has approved the DJC2 Mission Needs Statement (MNS) and Operational Requirements Document (ORD).</p> <p>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.</p> <p>DJC2 will utilize Global Command and Control System (GCCS) in its core suite of applications, ensuring interoperability with the worldwide-installed base of Global Command and Control System - Joint (GCCS-J).</p> <p>The RDT&amp;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 Science and Technology (S&amp;T) initiatives, Advanced Concepts Technology Demonstration (ACTD) Programs, programs of record, and fielded capabilities of the services and defense agencies, scaled to the Regional Combatant Commander (RCC) level. 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.</p> <p>FY10 funds development of increased efforts for systems engineering and integration, DJC2 Test Bed and increased Concept of Operations (CONOPS) experimentation system.</p>								

Exhibit R-2, RDTE Budget Item Justification

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EXHIBIT R-2, RDT&E Project Justification		DATE:	May 2009	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND NAME		
RDT&E, N / BA 4	0603237N Deployable Joint Command & Control	3050 Deployable Joint Command & Control (DJC2)		
<b>B. PROGRAM CHANGE SUMMARY:</b>				
(U) Funding:		FY 2008	FY 2009	FY 2010
FY09 President's Budget		9.303	5.905	6.090
FY10 President's Budget		8.906	7.073	6.032
Total Adjustments		-0.397	1.168	-0.058
Summary of Adjustments				
Program Adjustments		-0.397		
Rate / Misc Adjustments			-0.032	-0.058
Congressional Adjustments			1.200	
Subtotal		-0.397	1.168	-0.058
Schedule:				
Technical:				
Not Applicable				

Exhibit R-2a, RDTEN Project Justification

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EXHIBIT R-2a, RDT&E Project Justification		DATE: <b>May 2009</b>
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME 3050 Deployable Joint Command & Control (DJC2)

**B. Accomplishments/Planned Program**

<b>Systems Engineering &amp; Integration</b>	FY 08	FY 09	FY 10
Accomplishments/Effort/Subtotal Cost	3.236	1.621	1.991
RDT&E Articles Quantity			

**FY08 ACCOMPLISHMENTS:** Identified upgrades to the Increment I DJC2 Systems. Continued Increment I migration to Net-Centricity and updated design documentation and training material to reflect changes driven by emerging and required Enterprise Services Key Information Profiles (KIP). Updated system to meet Transport KIP requirements mandated by the Net Ready Key Performance Parameter levied on DJC2 by the Joint Requirements Oversight Council. Obtained prototype upgrade equipment and conducted trade studies per the system engineering guidelines. Documented system performance and finalized a design for DJC2 Increment I Upgrade. Conducted Critical Design Review for upgrade plan and prepared the mandatory Engineering Change Proposal, identifying all testing, training, support and sparing requirements. Constructed, integrated and tested an alternative packing capability for DJC2. Identified, integrated and tested world-wide power modification to DJC2.

**FY09 PLAN:** Complete Critical Design Reviews for upgrade plan. Continue with system engineering analysis and Integration activities. Operational test technology insertion/technology refresh design modifications.

**FY10 PLAN:** Continue tracking KIP migration and impacts to DJC2. Single out improvement in infrastructure equipment to include power generation, soft shelter design and video distribution for design modification. Evaluate Ka Band SHF radio upgrades to both Early Entry communication package and Rapid Response Kits. Conduct design reviews to reflect outcome of the trade studies/experimentation.

<b>DJC2 RDT&amp;E Test Bed</b>	FY 08	FY 09	FY 10
Accomplishments/Effort/Subtotal Cost	3.720	3.028	3.421
RDT&E Articles Quantity			

**FY08 ACCOMPLISHMENTS:** Conducted field testing and developmental testing of final Increment I Upgrade system. Tested integrated alternate C2 packaging arrangement. Upgraded the Developmental Test Unit to production representation in order to be used for operational testing. Supported the operational testing of the new design in a operational scenario to validate measures of effectiveness and measures of suitability.

**FY09 PLAN:** Identify and incorporate changes in the DJC2 test bed based upon lessons learned from fielded systems and operational testing

**FY10 PLAN:** Update the DJC2 Test Bed to facilitate testing of new hardware necessary to support trade studies and design reviews for infrastructure and communications refresh. Apply lessons learned from fielded and like systems to assist in driving the revitalized design.

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EXHIBIT R-2a, RDT&E Project Justification	DATE: <b>May 2009</b>
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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME 3050 Deployable Joint Command & Control (DJC2)
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**B. Accomplishments/Planned Program**

<b>Acquisition Documentation Activities</b>	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	1.300	0.771	0.000	
RDT&E Articles Quantity				

**FY08 ACCOMPLISHMENTS:** Analyzed, prepared, and performed In-Process Review (IPR), and Milestone acquisition activities.

**FY09 PLAN:** Continue to analyze, prepare, and perform In-Process Review (IPR), and Milestone acquisition activities.

<b>CONOPS Experimentation System</b>	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	0.650	0.456	0.620	
RDT&E Articles Quantity				

**FY08 ACCOMPLISHMENTS:** Provided component upgrade for Concept of Operations (CONOPS) System at Joint Forces Command (JFCOM).

**FY09 PLAN:** Continue component upgrades for CONOPS System at JFCOM.

**FY10 PLAN:** Continue component upgrades for CONOPS System at JFCOM.

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EXHIBIT R-2a, RDT&E Project Justification							DATE: <b>May 2009</b>			
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 4</b>		PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control			PROJECT NUMBER AND NAME 3050 Deployable Joint Command & Control (DJC2)					
<b>C. OTHER PROGRAM FUNDING SUMMARY:</b>										
<u>Line Item No. &amp; Name</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>FY 2014</u>	<u>FY 2015</u>	<u>To Complete</u>	<u>Total Cost</u>
OPN BLI 2804	0.000	9.004	8.719							
<b>D. ACQUISITION STRATEGY:</b>										
<p>This RDT&amp;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.</p>										
<b>E. METRICS:</b>										
<p>Earned Value Management (EVM) is used for metrics reporting and risk management.</p>										

Exhibit R-2a, RDTEN Project Justification

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Exhibit R-3 Cost Analysis (page 1)						DATE: <b>May 2009</b>						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
<b>RDT&amp;E, N / BA 4</b>			0603237N Deployable Joint Command & Control			3050 Deployable Joint Command & Control (DJC2)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY10 Award Date	FY 11 Cost	FY 11 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware Development	VAR	NSWC, Crane, USA, & VAR	19.011	0.456	VAR	0.620	VAR			Continuing	Continuing	
Ancillary Hardware Development												
Aircraft Integration												
Ship Integration												
Ship Suitability												
Systems Engineering	VAR	VAR	41.772	1.321	VAR	1.489	VAR			Continuing	Continuing	
Training Development												
Engineering Facility Development	WX	NSWC, CSS	28.236	1.953	VAR	2.214	VAR			Continuing	Continuing	
Tooling												
GFE												
Award Fees												
Subtotal Product Development			89.019	3.730		4.323		0.000		Continuing	Continuing	
Remarks:												
Development Support												
Software Integration	VAR	NSWC, CSS & VAR	38.649	0.300	VAR	0.502	VAR			Continuing	Continuing	
Integrated Logistics Support												
Configuration Management												
Technical Investigations	VAR	NTA & VAR	13.426							Continuing	Continuing	
Trade-off Studies & Analyses	VAR	NTA & VAR	9.000							Continuing	Continuing	
GFE												
Award Fees												
Subtotal Support			61.075	0.300		0.502		0.000		Continuing	Continuing	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)						DATE: <b>May 2009</b>						
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
<b>RDT&amp;E, N / BA 4</b>			0603237N Deployable Joint Command & Control			3050 Deployable Joint Command & Control (DJC2)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 09 Cost	FY 09 Award Date	FY 10 Cost	FY 10 Award Date	FY 11 Cost	FY 11 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MPR	46th Test Wing & VAR	8.860	0.500	VAR	0.565	VAR			Continuing	Continuing	
Operational Test & Evaluation	VAR	OPTEVFOR & VAR	9.768	0.575	VAR	0.642	VAR			Continuing	Continuing	
Live Fire Test & Evaluation												
Test Assets	MPR	Eglin AFB & VAR	4.000							Continuing	Continuing	
Tooling												
GFE												
Award Fees												
Subtotal T&E			22.628	1.075		1.207		0.000		Continuing	Continuing	
Remarks:												
Contractor Engineering Support												
Government Engineering Support												
Program Management Support	VAR	NSWC, CSS & VAR	29.741	0.771	VAR	0.000	VAR			Continuing	Continuing	
Travel												
Transportation												
Subtotal Management			29.741	0.771		0.000		0.000		Continuing	Continuing	
Remarks:												
Total Cost			202.463	5.876		6.032		0.000		Continuing	Continuing	
Remarks:												





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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA 4</b>	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME 9999 Deployable Command & Control Vehicle (DCCV)

**B. Accomplishments/Planned Program**

<b>9D17A Deployable Command and Control Vehicle</b>	FY 08	FY 09	FY 10	FY 11
Accomplishments/Effort/Subtotal Cost	0.000	1.197	0.000	0.000
RDT&E Articles Quantity				

**FY09 PLAN:** Systems engineering & integration and testing activities for U.S. Northern Command (NORTHCOM) Deployable Command and Control Vehicle (DCCV) variant.