

UNCLASSIFIED

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification								DATE: February 2004			
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA4						R-1 ITEM NOMENCLATURE 0603237N Deployable Joint Command & Control (DJC2)					
COST (\$ in Millions)	Prior Years Cost	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to Complete	Total Program
Total PE Cost	0.000	0.000	31.527	63.541	42.394	42.068	7.938	7.971	8.089	Continuing	Continuing
3050 Deployable Joint Command & Control	0.000	0.000	31.527	63.541	42.394	42.068	7.938	7.971	8.089	Continuing	Continuing
											0.000
											0.000
											0.000
											0.000
											0.000
Quantity of RDT&E Articles											0
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Deployable Joint Command and Control (DJC2) is a SecDef and 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. SecDef direction for the DJC2 program is contained in Defense Planning Guidance (DPG 03-07 and updated in DPG 04-09). The DJC2 program addresses both the Quadrennial Defense Review (QDR) finding that a joint command and control architecture needs to be developed for standing 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. 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, remedying the current unproductive practice of relying on ad hoc, unresourced, and stove-piped capabilities cobbled together at the last minute during a crisis. It will support the new SJFHQ concept and doctrine being developed by Joint Forces Command in coordination with other RCCs and the Joint Staff, as tasked by DPG. RCC and JTF commanders will use a deployable joint command and control capability for day-to-day operations (including peacetime), 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>Note that DJC2 is not a follow-on or replacement system for either the joint Global Command and Control System (GCCS) or GCCS-Maritime; rather, DJC2 will utilize GCCS in its core suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J/GCCS-M.</p>											

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Exhibit R-2, RDTEN Budget Item Justification
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APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA4	R-1 ITEM NOMENCLATURE 0603237N Deployable Joint Command & Control (DJC2)	
<p>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; anticipate 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.</p> <p>(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.</p>		

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EXHIBIT R-2a, RDT&E Project Justification							DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 4	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control					PROJECT NUMBER AND NAME 3050 DJC2					
COST (\$ in Millions)	Prior Years Cost	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Cost to Complete	Total Program
Project Cost	0.000	0.000	31.527	63.541	42.394	42.068	7.938	7.971	8.089	Continuing	Continuing
RDT&E Articles Qty											0
<p>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: Deployable Joint Command and Control (DJC2) is a SecDef and 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 (SJFHQs), 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. SecDef direction for the DJC2 program is contained in Defense Planning Guidance (DPG 03-07 and updated in DPG 04-09). The DJC2 program addresses both the Quadrennial Defense Review (QDR) finding that a joint command and control architecture needs to be developed for standing 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 the 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, remedying the current unproductive practice of relying on ad hoc, unresourced, and stove-piped capabilities cobbled together at the last minute during a crisis. It will support the new SJFHQ concept and doctrine being developed by Joint Forces Command in coordination with other RCCs and the Joint Staff, as tasked by DPG. RCC and JTF commanders will use a deployable joint command and control capability for day-to-day operations (including peacetime), 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>Note that DJC2 is not a follow-on or replacement system for either the joint Global Command and Control System (GCCS) or GCCS-Maritime; rather, DJC2 will utilize GCCS in its core suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J/GCCS-M.</p>											

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 4	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME X3050 DJC2		
(U) B. Accomplishments/Planned Program				
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	8.224	19.675	18.192	
RDT&E Articles Quantity				
<p>FY03 - Analyzed collection of Service and Joint RCC/JTF deployable C2 requirements and candidate programs, both fielded and under development, to satisfy requirements. These included S&T initiatives, ACTDs, programs of record, and fielded capabilities. DA, DAF, and DON compiled and prioritized Service-specific C2 applications to create alternatives for the DJC2 baseline, and will assist in FY04 in integration of selected systems into the baseline. USJFCOM compiled and prioritized each RCC's C2 applications. GCCS-J is the primary C2 application set around which DJC2 is being built. Adding the Service and RCC applications identified through the process mentioned allows DJC2 by definition to begin with de facto interoperability and a de facto common architecture. Performed systems engineering analysis and integration (SE&I) activities to select the core set applications for the DJC2 baseline Increment I configuration. Conducted engineering and design analysis necessary to adequately evaluate alternative concepts, and analysis of alternatives to establish realistic cost, schedule, and performance goals for material options.</p> <p>FY04 - Continue to perform SE&I activities associated with DJC2 deliveries to JFCOM and the four RCCs. Conduct engineering and design tradeoffs to validate the concept of operations and ensure ORD compliance. Conduct requirements traceability analysis to ensure operational requirements identified in the MNS and ORD are adequately captured in specifications. Begin integrating legacy systems (information technology and infrastructure) for DJC2 deliveries, including the core software applications, deployability systems, and transportability and mobility components. Develop evaluation and test plans, and perform initial testing for the JFCOM delivery. Refine configuration management baselines and the Technology Development Plan. Utilize analysis, architectural design and design review processes to perform detailed design implementation. Utilize results of capability improvement process to determine which applications will be transitioned to DJC2, and integrate them into the baseline.</p> <p>FY05 - Continue to perform SE&I activities associated with the follow-on increment requirements update and design process. Refine configuration management baselines and Technology Development Plan. Utilize analysis, architectural design, and design review processes conducted during FY04 to perform detailed design for follow-on increment and implement that design into the engineering test bed, as well as the JFCOM, PACOM, and CENTCOM systems.</p>				
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	6.500	10.000	8.000	
RDT&E Articles Quantity				
<p>FY03 - Develop Navy-managed engineering, integration, test, and analysis R&D test bed facility utilizing legacy C4I systems, applications, and concepts provided by the Services and RCCs in baselin development process, and from lessons learned from Standing Joint Forces Headquarters (SJFHQ) experimentation (including EXERCISE MILLENNIUM CHALLENGE '02) and C4I ACTDs and S&T initiatives.</p> <p>FY04-05 - Utilize 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. Utilize this initial test facility to further refine the requirements for the DJC2 materiel solution based upon experimentation and ACTD results. 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.</p>				

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Exhibit R-2a, RDTEN Project Justification
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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA 4	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME X3050 DJC2	

(U) B. Accomplishments/Planned Program

	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	9.803	2.986	3.483	
RDT&E Articles Quantity				

FY03 - Stood up and staffed joint program office (JPO) and conducted acquisition planning activities. Navy serves as Executive Agent (EA) for DJC2. Performed initial requirements analysis. Completed the Analysis of Alternatives (AOA) and Operational Requirements Document (ORD). Developed and completed initial acquisition, budget, and Clinger-Cohen documentation including, but not limited to, acquisition strategy, Acquisition Program Baseline, and program planning and schedule. Established documentation requirements and began related cost, schedule and performance activities.

FY04-05 - Utilize initial systems engineering analysis to establish systems concepts and compliance with MAIS and Clinger-Cohen Act requirements. Oversee development of the test bed facility and SE&I work to develop the initial core applications for the DJC2 baseline. Analyze, prepare, and perform Milestone B, In-Process Review (IPR), and Milestone C activities.

NOTE: FY03 DERF funding of \$7.42 M is included in this item.

	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	7.000	14.000	12.719	
RDT&E Articles Quantity				

FY03 - Expanded the Millennium Challenge '02 (MC02) experimentation capability to aid in developing the SJFHQ construct.

FY04-05 - Evaluate validated technical concepts and technologies to be prototyped in advanced technology transitions (including ACTDs) to address deployable C2 requirements, and select technologies for integration into DJC2 increments. Evaluation/selection emphasizes technology assessment and integration/incorporation of existing commercial technologies to provide a prototype capability to the warfighter and to support capability evaluations. Conduct technology market surveys of selected components to support overall product selection.

	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	0.000	16.880	0.000	
RDT&E Articles Quantity		1		

FY04 - Design, develop, integrate, test, and implement DJC2 CONOPS experimentation system at JFCOM. The CONOPS experimentation system will consist of the baseline configuration and prototype systems and capabilities developed for the follow-on SJFHQ concept demonstrations, and will be used in the refinement of operational requirements and processes.

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2004	
APPROPRIATION/BUDGET ACTIVITY RDTE, N / BA 4	PROGRAM ELEMENT NUMBER AND NAME 0603237N Deployable Joint Command & Control	PROJECT NUMBER AND NAME 3050 DJC2	

(U) C. PROGRAM CHANGE SUMMARY:

	FY 2003	FY 2004	FY 2005
(U) Funding:			
President's Budget:	39.772	79.449	43.181
Current BES/PB Budget	31.527	63.541	42.394
Total Adjustments	-8.245	-15.908	-0.787
Summary of Adjustments			
Sec. 8100 Business Process Reform	-0.130		
Sec. 8135 Economic Assumptions	-0.182		
Sec. 8109 IT Cost Growth	-0.060		
Sec 8029, P.L. 107-248 FY03 FFRDC reduction	-0.023		
DJC2 - Production Reduction	-14.772		
FY03 DERF Congressional add	7.500		
Miscellaneous Department Adjustments	-0.344	-0.011	-0.006
FY03 SBIR Reduction	-0.234		
Sec. 8094 Savings / Limit Growth		-0.170	
Sec. 8029 FFRDC Reduction		-0.061	
Sec. 80126 Revised Economic Assumptions		-0.546	
FY04 Congressional Reduction: JFCOM Trainer		-9.600	
FY04 Congressional Transfer to OPN		-5.520	
NWCF Rates			-0.645
PBD 604 Inflation			-0.136
Subtotal	-8.245	-15.908	-0.787

(U) Schedule:

Not Applicable

(U) Technical:

Not Applicable

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EXHIBIT R-2a, RDT&E Project Justification								DATE: February 2004		
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:										
<u>Line Item No. & Name</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	To <u>Complete</u>	Total <u>Cost</u>
OPN BLI 2804	0	0	51,685	32,469	27,938	0	58,845	0	Cont.	Cont.
 (U) E. ACQUISITION STRATEGY:										
<p>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, Service-specific 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>										

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Exhibit R-3 Cost Analysis (page 1)								DATE: February 2004				
APPROPRIATION/BUDGET ACTIVITY RD&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 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Hardware Development	VAR	NSWC, Crane, USA, & VAR		3.500	VAR	6.400	VAR	3.000	VAR	Continuing	Continuing	
Ancillary Hardware Development											0.000	
Aircraft Integration											0.000	
Ship Integration											0.000	
Ship Suitability											0.000	
Systems Engineering	VAR	VAR		6.463	VAR	12.712	VAR	6.461	VAR	Continuing	Continuing	
Training Development											0.000	
Engineering Facility Development	WX	NSWC, CSS		3.000	VAR	10.000	VAR	4.000	VAR	Continuing	Continuing	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal Product Development			0.000	12.963		29.112		13.461		Continuing	Continuing	
Remarks:												
Development Support											0.000	
Software Integration	VAR	NSWC, CSS & VAR		1.700	VAR	15.980	VAR	9.469	VAR	Continuing	Continuing	
Integrated Logistics Support											0.000	
Configuration Management											0.000	
Technical Investigations	VAR	NTA & VAR		3.309	VAR	3.000	VAR	3.000	VAR	Continuing	Continuing	
Trade-off Studies & Analyses	VAR	NTA & VAR		3.000	VAR	2.000	VAR	2.000	VAR	Continuing	Continuing	
GFE											0.000	
Award Fees											0.000	
Subtotal Support			0.000	8.009		20.980		14.469		Continuing	Continuing	
Remarks:												

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Exhibit R-3 Cost Analysis (page 2)										DATE: February 2004		
APPROPRIATION/BUDGET ACTIVITY RDTE&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 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	MPR	46th Test Wing & VAR			VAR	3.000	VAR	4.000	VAR	Continuing	Continuing	
Operational Test & Evaluation	VAR	OPTEVFOR & VAR			VAR	3.500	VAR	4.000	VAR	Continuing	Continuing	
Live Fire Test & Evaluation											0.000	
Test Assets	MPR	Eglin, AFB & VAR			VAR	1.000	VAR	1.000	VAR	Continuing	Continuing	
Tooling											0.000	
GFE											0.000	
Award Fees											0.000	
Subtotal T&E			0.000	0.000		7.500		9.000		Continuing	Continuing	
Remarks:												
Contractor Engineering Support											0.000	
Government Engineering Support											0.000	
Program Management Support	VAR	NSWC, CSS & VAR		10.555	VAR	5.949	VAR	5.464	VAR	Continuing	Continuing	
Travel											0.000	
Transportation											0.000	
Subtotal Management			0.000	10.555		5.949		5.464		Continuing	Continuing	
Remarks:												
Total Cost			0.000	31.527		63.541		42.394		Continuing	Continuing	
Remarks:												

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Exhibit R-3, Project Cost Analysis
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EXHIBIT R4, Schedule Profile																								DATE:											
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	2002				2003				2004				2005				2006				2007				2008				2009						
	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 A			▲																																
MILESTONE B										▲																									
MILESTONE C													▲																						
Test & Evaluation Milestones																																			
Development Test													▲																						
Operational Test																	▲																		
Production Milestones																																			
Deliveries																																			

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Exhibit R-4, Schedule Profile
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Exhibit R-4a, Schedule Detail
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