Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy										DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*				R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*							
COST ($ in Millions)	**FY 2010**	**FY 2011**	**FY 2012 Base**	**FY 2012 OCO**	**FY 2012 Total**	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**Cost To Complete**	**Total Cost**
Total Program Element	8.644	4.275	3.702	-	3.702	3.818	3.405	3.525	3.653	Continuing	Continuing
3050: *Deployable JT Command and Control*	5.617	4.275	3.702	-	3.702	3.818	3.405	3.525	3.653	Continuing	Continuing
9999: *Congressional Adds*	3.027	-	-	-	-	-	-	-	-	0.000	3.027

A. Mission Description and Budget Item Justification

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, scalable, and reconfigurable joint command and control 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 Command and Control (C2) capability. DJC2 will ensure that Joint Force Commanders (JFCs) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and 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 JTF operations. The DJC2 program addresses both the Quadrennial Defense Review finding that a joint command and control architecture needs to be developed for standing 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. DJC2 is supported by SecDef and CJCS.

B. Program Change Summary ($ in Millions)	**FY 2010**	**FY 2011**	**FY 2012 Base**	**FY 2012 OCO**	**FY 2012 Total**
Previous President's Budget	9.034	4.275	6.678	-	6.678
Current President's Budget	8.644	4.275	3.702	-	3.702
Total Adjustments	-0.390	-	-2.976	-	-2.976
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.281	-			
• Program Adjustments	-	-	-2.598	-	-2.598
• Section 219 Reprogramming	-0.109	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.378	-	-0.378

Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy	DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603237N: *Deployable JT Cmd & Control*

Congressional Add Details ($ in Millions, and Includes General Reductions)	**FY 2010**	**FY 2011**
Project: 9999: *Congressional Adds*		
Congressional Add: *Deployable Command and Control Vehicle*	3.027	-
Congressional Add Subtotals for Project: 9999	3.027	-
Congressional Add Totals for all Projects	3.027	-

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 3050: *Deployable JT Command and Control*	

COST ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3050: *Deployable JT Command and Control*	5.617	4.275	3.702	-	3.702	3.818	3.405	3.525	3.653	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

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, scalable, and reconfigurable joint command and control 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 Command and Control (C2) capability. DJC2 will ensure that Joint Force Commanders (JFCs) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and 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 JTF operations. The DJC2 program addresses both the Quadrennial Defense Review finding that a joint command and control architecture needs to be developed for standing 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. DJC2 is supported by SecDef and CJCS.

DJC2 seeks to provide standing, and standardized, joint C2 systems that can be deployed by Regional Combatant Commanders (RCCs) or JTFs and the new Standing Joint Force Headquarters 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, 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 in its core suite of applications, ensuring interoperability with the worldwide-installed base of Global Command and Control System - Joint.

FY12 funds development of efforts for systems engineering and integration, and DJC2 Test Bed.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Systems Engineering & Integration	1.991	1.823	1.899
Articles:	0	0	0
FY 2010 Accomplishments: Identified emerging/mandated Key Information Profiles (KIP) migration and impacts to Deployable Joint Command and Control (DJC2). Singled out improvement in infrastructure equipment to include power generation, soft shelter design and video			

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 3050: *Deployable JT Command and Control*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
distribution for design modification. Evaluated Ka Band Super High Frequency radio upgrades to both Early Entry communication package and Rapid Response Kits. Conducted design reviews to reflect outcome of the trade studies/experimentation. ***FY 2011 Plans:*** Continue to identify and incorporate emerging/mandated Key Information Profiles (KIP) required by the Deployable Joint Command and Control (DJC2) Net-Ready Key Performance Parameter (KPP) into system design. Update Information Support Plan to reflect system architecture changes and obtain CJCS J6/J2 approval. With validated architecture, obtain renewal of the DJC2 Core System Authority to Operate (ATO) and perform required testing and information assurance mitigation to support ATO approval. Investigate potential hybrid power solutions for diesel generator replacement. ***FY 2012 Plans:*** Continue to identify and incorporate emerging/mandated Key Information Profiles required by the DJC2 Net Ready KPP into system design. Obtain prototype equipment and conduct trades studies per the system engineering guidelines. Conduct Critical Design Reviews for upgrade plan upon design approval, prepare the mandatory Engineering Change Proposals, and identify testing, training, and sparing requirements. Construct, integrate and test an alternative power scheme.			
Title: DJC2 RDT&E Test Bed ***Articles:*** ***FY 2010 Accomplishments:*** Updated the DJC2 Test Bed to facilitate testing of new hardware necessary to support trade studies and design reviews for infrastructure and communications refresh. Applied lessons learned from fielded and like systems to assist in driving the revitalized design. ***FY 2011 Plans:*** Complete final testing of revised DJC2 Network System Design. Incorporate fixes to the Network System and validate through regression testing to support fielding decisions by the Program Office. Finalize and test the DJC2 Virtual Machine and Portal Synchronization tool to include server procurement, network support and testing thereby providing the ability to push updated virtual machines and command and control portals to any given DJC2 from either garrison location or the DJC2 Operational Support Center, significantly improving mission tailorability. Conduct trade studies to identify the next generation client for DJC2. ***FY 2012 Plans:*** Continue to incorporate fixes to the Network System and validate through regression testing to support fielding decisions by the Program Office. Conduct trade studies to identify the next generation client for DJC2. Identify and incorporate changes to the DJC2 test bed based on lessons learned from fielded systems and operational world events.	3.140 0	2.452 0	1.803 0
Title: CONOPS Experimentation System	0.486	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 3050: *Deployable JT Command and Control*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Articles:	0		
FY 2010 Accomplishments: Continued component upgrades for CONOPS System at JFCOM.			
Accomplishments/Planned Programs Subtotals	5.617	4.275	3.702

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• OPN /2804: *DJC2*	11.165	8.542	8.994	0.000	8.994	9.255	3.546	3.731	3.857	Continuing	Continuing

D. 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 baseline configuration is 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.

E. Performance Metrics

The DJC2 program continues to identify, evaluate and test a minimum of 3 - 5 new technologies per year based on emergent / joint requirements for potential insertion into the DJC2 system upgrade plan.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 3050: *Deployable JT Command and Control*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	WR	NSWC:PCD	44.301	1.510	Nov 2010	1.544	Nov 2011	-		1.544	Continuing	Continuing	Continuing
Engineering Facility Development	WR	NSWC:PCD	32.403	1.746	Feb 2011	1.428	Mar 2012	-		1.428	Continuing	Continuing	Continuing
Hardware Development	MIPR	USA:VA	20.012	-		-		-		-	0.000	20.012	
		Subtotal	96.716	3.256		2.972		-		2.972			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Integration	WR	NSWC:PCD	39.451	0.313	Nov 2010	0.355	Nov 2011	-		0.355	Continuing	Continuing	Continuing
Technical Investigations	MIPR	MISC:VA	13.426	-		-		-		-	0.000	13.426	
Trade-off Studies & Analyses	MIPR	MISC:VA	9.000	-		-		-		-	0.000	9.000	
		Subtotal	61.877	0.313		0.355		-		0.355			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NSWC:PCD	9.925	0.321	Feb 2011	0.179	Feb 2012	-		0.179	Continuing	Continuing	Continuing
Operational Test & Evaluation	WR	NSWC:PCD	10.956	0.385	Feb 2011	0.196	Feb 2012	-		0.196	Continuing	Continuing	Continuing
Test Assets	MIPR	MISC:MISC	4.000	-		-		-		-	0.000	4.000	
		Subtotal	24.881	0.706		0.375		-		0.375			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 3050: *Deployable JT Command and Control*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	WR	NSWC:PCD	30.365	-		-		-		-	0.000	30.365	
Acquisition Work Force	WR	NSWC:PCD	0.029	-		-		-		-	0.000	0.029	
		Subtotal	30.394	-		-		-		-	0.000	30.394	

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	213.868	4.275		3.702		-		3.702			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603237N: *Deployable JT Cmd & Control*	**PROJECT** 3050: *Deployable JT Command and Control*

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0603237N: *Deployable JT Cmd & Control*	**PROJECT** 3050: *Deployable JT Command and Control*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 3050				
DEVELOPMENTAL TESTb	3	2010	3	2010
DEVELOPMENTAL TESTc	3	2011	3	2011
DEVELOPMENTAL TESTd	3	2012	3	2012
DEVELOPMENTAL TESTe	3	2013	3	2013
DEVELOPMENTAL TESTf	3	2014	3	2014
DEVELOPMENTAL TESTg	3	2015	3	2015
DEVELOPMENTAL TEST	3	2016	3	2016
OPERATIONAL TESTb	3	2010	3	2010
OPERATIONAL TESTc	3	2011	3	2011
OPERATIONAL TESTd	3	2012	3	2012
OPERATIONAL TESTe	3	2013	3	2013
OPERATIONAL TESTf	3	2014	3	2014
OPERATIONAL TESTg	3	2015	3	2015
OPERATIONAL TEST	3	2016	3	2016

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: *Research, Development, Test & Evaluation, Navy* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0603237N: *Deployable JT Cmd & Control*	PROJECT 9999: *Congressional Adds*	

COST ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
9999: *Congressional Adds*	3.027	-	-	-	-	-	-	-	-	0.000	3.027
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Congressional add

B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011
Congressional Add: Deployable Command and Control Vehicle	3.027	-
FY 2010 Accomplishments: Continued system engineering, integration and testing activities for U.S. Northern Command Deployable Command and Control Vehicle variant.		
Congressional Adds Subtotals	3.027	-

C. Other Program Funding Summary ($ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

Congressional add