

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification						DATE: February 2008	
APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7				R-1 ITEM NOMENCLATURE 0303158N Joint Command and Control (JC2) Program			
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total PE Cost	4.927	4.797	4.148	4.184	4.146	4.226	4.310
3146 NET-ENABLED COMMAND CAPABILITY(NECC) PROGRAM (Formerly Joint Command and Control (JC2))	4.927	4.797	4.148	4.184	4.146	4.226	4.310
Quantity of RDT&E Articles							
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Net-Enabled Command Capability (NECC) is the DoD's principal command and control capability that will be accessible in a net-centric environment and focused on providing the commander with the data and information needed to make timely, effective and informed decisions. NECC draws from the command and control (C2) community to evolve current and provide new C2 capabilities into a fully integrated, interoperable, collaborative Joint solution. Warfighters can rapidly adapt to changing mission needs by defining and tailoring their information environment and drawing on capabilities that enable the efficient, timely and effective command of forces and control of engagements.</p> <p>DoD has placed its emphasis upon NECC as the future of C2 for the warfighter. The Department can not accomplish its mission to provide an integrated, flexible, and adaptable full spectrum DoD C2 capability by continuing to rely on independently built and deployed systems that result in situational awareness and force identification variations, data incompatibilities, and non-interoperable services and applications supporting time-critical decisions. Consequently, the Deputy Secretary of Defense has directed that DoD funding be internally realigned into the NECC Program. These funding realignments provide a single, integrated, coherent enhancement of the Department's capability for operational level Joint command and control (JC2) by addressing some of the shortfalls within existing C2 capabilities. FY 2009 will be focused on NECC developmental efforts in support of Increment I System Development and Demonstration (SDD).</p> <p>The migration of existing C2 capabilities towards the standards being developed and adopted as well as the integration of capability modules that are destined for piloting activities into the Maritime Operating Environment is a critical effort that the Navy Component Program Management Office (CPMO) performs.</p>							

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<b>(U) B. PROGRAM CHANGE SUMMARY:</b>				
(U) Funding:		<u>FY07</u>	<u>FY08</u>	<u>FY09</u>
FY08/09 President's Budget		5.040	5.015	4.972
FY09 President's Submit		4.927	4.797	4.148
Total Adjustments		-0.113	-0.218	-0.824
Summary of Adjustments:				
Small Business Innovation Research (SBIR) Tax		-0.113	-0.074	0.000
Miscellaneous Adjustments		0.000	-0.144	-0.824
Subtotal		-0.113	-0.218	-0.824
(U) Schedule:				
<p>The Schedule Profile identifies the projected milestones for NECC Increment I. The MS B schedule has moved due to an Overarching Integrated Product Team (OIPT) recommendation to delay the Information Technology Advisory Board (ITAB). The ITAB is required for the MDA to support a MS B decision. Increment I will provide required operational capabilities developed in the FY08-10 period. Increment II will provide required operational capabilities developed in the FY11-12 period. Increment III will provide required operational capabilities developed in the FY13-14 period. The NECC program will be developed and executed within an evolutionary acquisition framework.</p>				
(U) Technical:				
Not Applicable				

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EXHIBIT R-2a, RDT&E Project Justification						DATE: <b>February 2008</b>	
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME				PROJECT NUMBER AND NAME		
<b>RDT&amp;E, N / BA-7</b>	0303158N Joint Command and Control (JC2) Program				3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))		
COST (\$ in Millions)	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Project Cost	4.927	4.797	4.148	4.184	4.146	4.226	4.310
RDT&E Articles Qty							
<p><b>(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:</b></p> <p>The Net-Enabled Command Capability (NECC) is the DoD's principal command and control capability that will be accessible in a net-centric environment and focused on providing the commander with the data and information needed to make timely, effective and informed decisions. NECC draws from the command and control (C2) community to evolve current and provide new C2 capabilities into a fully integrated, interoperable, collaborative Joint solution. Warfighters can rapidly adapt to changing mission needs by defining and tailoring their information environment and drawing on capabilities that enable the efficient, timely and effective command of forces and control of engagements.</p> <p>DoD has placed its emphasis upon NECC as the future of C2 for the warfighter. The Department cannot accomplish its mission to provide an integrated, flexible, and adaptable full spectrum DoD C2 capability by continuing to rely on independently built and deployed systems that result in situational awareness and force identification variations, data incompatibilities, and non-interoperable services and applications supporting time-critical decisions. Consequently, the Deputy Secretary of Defense has directed that DoD funding be internally realigned into the NECC Program. These funding realignments provide a single, integrated, coherent enhancement of the Department's capability for operational level Joint command and control (JC2) by addressing some of the shortfalls within existing C2 capabilities. FY 2009 will be focused on NECC developmental efforts in support of Increment I System Development and Demonstration (SDD).</p> <p>The migration of existing C2 capabilities towards the standards being developed and adopted as well as the integration of capability modules that are destined for piloting activities into the Maritime Operating Environment is a critical effort that the Navy Component Program Management Office (CPMO) performs.</p>							

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APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N / BA-7</b>	PROGRAM ELEMENT NUMBER AND NAME 0303158N Joint Command and Control (JC2) Program	PROJECT NUMBER AND NAME 3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))

**(U) B. Accomplishments/Planned Program**

	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	4.927	4.797	4.148
RDT&E Articles Quantity			

FY 07 Accomplishments- Successfully migrated selected maritime command and control capabilities to standards and architectures defined by the Net-Enabled Command Capability (NECC) program. Developed the initial plans for transfer of Global Command and Control System - Maritime (GCCS-M) management and functionality to NECC. Navy Component Program Management Office (CPMO) developed pilot capabilities in support of NECC Inc I Technology Development (TD) phase activities and contributed towards the development of required acquisition documentation in preparation for anticipated Milestone B in Q4FY07.

FY08: Continue migration of additional maritime command and control (e.g., GCCS-M) capabilities to standards-based architectures. Development of capabilities allocated to the Navy CPMO in accordance with the Capability Development Document (CDD), in support of NECC Inc I System Development and Demonstration (SDD) phase activities.

FY09: Continue migration of additional maritime command and control capabilities to standards-based architectures. Continue development of capabilities allocated to the Navy CPMO in accordance with the CDD, in support of NECC Inc I SDD phase activities.

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<p><b>(U) C. OTHER PROGRAM FUNDING SUMMARY:</b></p> <p><u>Line Item No. &amp; Name</u></p> <p>N/A</p> <p><b>(U) D. ACQUISITION STRATEGY:</b></p> <p>The NECC acquisition strategy for the System Development and Demonstration (SDD) phase is to build net-centric services as Capability Modules (CMs), not a large, completely integrated software system. CMs are small, militarily useful pieces of software, loosely coupled via the Service Oriented Architecture (SOA), and resident on the Global Information Grid (GIG). A key concept behind NECC is to build capabilities and deliver CMs to the Warfighter, as they are ready, not to wait for major milestones for a complete software release. The individual nature of CMs and the planned responsiveness to the Warfighter requires agility and flexibility in NECC's requirements/capability needs identification, development and validation, systems engineering, materiel development, contracting, testing, funding, and acquisition processes. Rapid delivery results in having multiple CMs in concurrent stages of development, operations, or sustainment within an increment, which changes the nature of the program's Milestone Decisions and funding requirements. The result is a net-centric set of services provided to Warfighters quickly, which gives them the capabilities they need to achieve and sustain Decision Superiority to accomplish their missions. The overarching NECC contracting approach is to acquire CMs, services, and materials from various types of full and open, competitively awarded, performance-based and performance-driven outcome contracts. NECC's primary contracting method utilizes Indefinite Delivery, Indefinite Quantity (IDIQ) contracts to develop CMs. The NECC Joint Program Management Office (JPMO) and Component Management Offices (CPMOs), acting as NECC systems integrators/material developers, have the flexibility to award multiple Task Orders (TOs) under these vehicles. The intent is to leverage various types of existing and logical follow-on contracts associated with GCCS FoS programs. In many cases, NECC task orders are competed among the numerous vendors available under these IDIQ contracts through the fair opportunity to compete process required by the Federal Acquisition Streamlining Act (FASA). In instances in which using an existing IDIQ contract is not feasible, NECC acquires services and material through a full and open, competitively awarded contract.</p> <p><b>(U) E. MAJOR PERFORMERS:</b></p> <p>Space &amp; Naval Warfare Systems Command Systems Centers (SPAWARSSYSCENS) San Diego and Charleston provide support as the Government research and development facilities. Program and engineering support provided by Booz Allen Hamilton and various subcontractors.</p>		

EXHIBIT R-2a, RDT&E Project Justification

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Exhibit R-3 Cost Analysis (page 1)										DATE: <b>February 2008</b>		
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT					PROJECT NUMBER AND NAME				
<b>RDT&amp;E, N / BA-7</b>			0303158N Joint Command and Control (JC2) Program					3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development											0.000	0.000
Ancillary Hardware Development											0.000	0.000
Systems Engineering	VARIOUS	VARIOUS	1.175	1.087	VARIOUS	1.055	VARIOUS	1.019	VARIOUS	Continuing	Continuing	Continuing
Licenses											0.000	0.000
Tooling											0.000	0.000
GFE											0.000	0.000
Award Fees											0.000	0.000
Subtotal Product Development			1.175	1.087		1.055		1.019		Continuing	Continuing	Continuing
Remarks:												
Development Support	VARIOUS	VARIOUS	0.625	0.700	VARIOUS	0.711	VARIOUS	0.561	VARIOUS	Continuing	Continuing	Continuing
Software Development	VARIOUS	VARIOUS	0.625	0.803	VARIOUS	0.812	VARIOUS	0.560	VARIOUS	Continuing	Continuing	Continuing
Training Development											0.000	0.000
Integrated Logistics Support	VARIOUS	VARIOUS		0.400	VARIOUS	0.406	VARIOUS	0.395	VARIOUS	Continuing	Continuing	Continuing
Configuration Management											0.000	0.000
Technical Data											0.000	0.000
GFE											0.000	0.000
Subtotal Support			1.250	1.903		1.929		1.516		Continuing	Continuing	Continuing
Remarks:												

Exhibit R-3, RDTEN Cost Analysis

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Exhibit R-3 Cost Analysis (page 2)								DATE: <b>February 2008</b>				
APPROPRIATION/BUDGET ACTIVITY				PROGRAM ELEMENT				PROJECT NUMBER AND NAME				
<b>RDT&amp;E, N / BA-7</b>				0303158N Joint Command and Control (JC2) Program				3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))				
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	VARIOUS	VARIOUS	1.253	0.150	VARIOUS	0.250	VARIOUS	0.148	VARIOUS	Continuing	Continuing	Continuing
Operational Test & Evaluation	WX	OPTEVFOR		0.116		0.000		0.000		Continuing	Continuing	Continuing
Live Fire Test & Evaluation											0.000	0.000
Test Assets											0.000	0.000
Tooling											0.000	0.000
GFE											0.000	0.000
Subtotal T&E			1.253	0.266		0.250		0.148		Continuing	Continuing	Continuing
Remarks:												
Contractor Engineering Support	VARIOUS	VARIOUS		1.101	VARIOUS	1.004	VARIOUS	1.072	VARIOUS	Continuing	Continuing	Continuing
Government Engineering Support	WX	SSC SD	1.250	0.570	VARIOUS	0.559	VARIOUS	0.393	VARIOUS	Continuing	Continuing	Continuing
Program Management Support												0.000
Travel												0.000
Subtotal Management			1.250	1.671		1.563		1.465		Continuing	Continuing	Continuing
Remarks:												
Total Cost			4.928	4.927		4.797		4.148		Continuing	Continuing	Continuing
Remarks:												

Exhibit R-3, RD TEN Cost Analysis

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EXHIBIT R4, Schedule Profile																					DATE: <b>February 2008</b>											
APPROPRIATION/BUDGET ACTIVITY										PROGRAM ELEMENT NUMBER AND NAME										PROJECT NUMBER AND NAME												
<b>RDT&amp;E, N /BA-7</b>										0303158N Joint Command and Control (JC2) Program										3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))												
Fiscal Year	2007				2008				2009				2010				2011				2012				2013							
	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				
<b>Acquisition Milestones</b>				NECC Inc I MS B (Projected)		▲		▲	NECC Inc I MS C (Projected)									NECC Inc I FDDR (Projected)	▲													
<b>Technology Development Activities</b>																																
System Engineering	△	△	△	△	△	△																										
Establish Federated Development Certification Environment (FDCE)	△	△	△	△	△	△																										
Technology Risk-Reduction / Piloting	△	△	△	△	△	△																										
Piloting Integration	△	△	△	△	△	△																										
Define / Design / Develop Capability Modules	△	△	△	△	△	△																										
TD Activities - Increment II																	△	△	△	△												
TD Activities - Increment III																									△	△	△	△				
<b>System Development and Demonstration Activities</b>																																
Increment I																																
Increment II																																
Increment III																													△	△	△	△

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Exhibit R-4a, Schedule Detail						DATE: <b>February 2008</b>	
APPROPRIATION/BUDGET ACTIVITY <b>RDT&amp;E, N /BA-7</b>	PROGRAM ELEMENT 0303158N Joint Command and Control (JC2) Program				PROJECT NUMBER AND NAME 3146 Net-Enabled Command Capability (NECC) Program (Formerly Joint Command and Control (JC2))		
Schedule Profile	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
<b>Acquisition Milestones</b>							
NECC Inc I MS B (Projected)		Q2					
NECC Inc I MS C (Projected)		Q4					
NECC Inc I FDDR (Projected)				Q4			
<b>Technology Development (TD)</b>							
<b>Activities - Increment I</b>							
System Engineering	Q1 - Q4	Q1-Q2					
Establish FDCE	Q1 - Q4	Q1-Q2					
Tech Risk Reduction/Piloting	Q1 - Q4	Q1-Q2					
Piloting Integration	Q1 - Q4	Q1-Q2					
Define/Design/Dev Capability Modules	Q1 - Q4	Q1-Q2					
<b>TD Activities - Increment II</b>				Q1 - Q4			
<b>TD Activities - Increment III</b>						Q1 - Q4	
<b>System Demonstration and Development Activities</b>							
Increment I		Q3 - Q4	Q1 - Q4	Q1 - Q4			
Increment II					Q1 - Q4	Q1 - Q4	
Increment III							Q1 - Q4

Exhibit R-4a, Schedule Detail