

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

May 2009

BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0303158A - Joint Command and Control Program (JC2)			
COST (In Thousands)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	Cost to Complete	Total Cost
714 JOINT COMMAND AND CONTROL - ARMY	15655	15153	20365	Continuing	Continuing

A. Mission Description and Budget Item Justification: The Net-Enabled Command Capability (NECC) is the DoD's principal Command and Control (C2) 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 C2 community to evolve current and provide new C2 capabilities into a fully integrated, interoperable, collaborative Joint solution. Warfighters will be able to 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.

The Joint Requirements Oversight Council Memorandum 163-03 (JROCM 163-03) established a need for, and directed, evolving the current Global Command and Control System (GCCS) Family of Systems (FOS) into a single joint C2 architecture and capabilities-based implementation. This implementation (NECC) will be based on Global Information Grid (GIG) Enterprise Services (GES) and consists of joint mission capability packages.

NECC will deliver continuous C2 enhancements to the Warfighter. The program will be founded on a single, net-centric, services-based C2 architecture and provide the decision support infrastructure that will enable the Warfighter to access, display, and understand the information necessary to make efficient, timely, and effective decisions. NECC will be responsive to the Warfighter through loosely coupled capability needs, development, test, and user engagement processes. The program will leverage existing and evolving C2 capabilities and centers of excellence with its ABC commitment to Adopt-before-Buy, Buy-before-Create. Key to ABC is adaptation of commercial best practices, architectures and standards for C2. The NECC program will ensure that our C2 capability evolves toward increased net-centricity and Joint mission integration.

NECC is a Joint Acquisition Category (ACAT) 1D Major Defense Acquisition Program and Major Automated Information System. The lead component for the Joint Program is the Defense Information Systems Agency (DISA). Each Service, to include the Army, has established a Component Program Management Office (CPMO) to implement the NECC solution within its agency. This project, 714, funds Army project management costs and integration and test costs to accomplish Army implementation of NECC.

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<u>B. Program Change Summary</u>	FY 2008	FY 2009	FY 2010
Previous President's Budget (FY 2009)	10330	15203	23094
Current BES/President's Budget (FY 2010)	15655	15153	20365
Total Adjustments	5325	-50	-2729
Congressional program reductions		-50	
Congressional rescissions			
Congressional increases	5614		
Reprogrammings			
SBIR/STTR Transfer	-289		
Adjustments to Budget Years			-2729

Change Summary Explanation:

Funding - FY 08: +5,614 Supplemental funding for NECC development, integration and test

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<u>Accomplishments/Planned Program:</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
Perform Software Development Necessary to Integrate Capability Modules onto Army Platforms	7315	7722	11664
Conduct Test and Evaluation to Meet Interoperability Requirements	898	1669	3209
Perform Program Support and Management Efforts	4408	5337	5492
Supplemental Reprogramming	3034		
Small Business Innovative Research/Small Business Technology Transfer Programs		425	
Total	15655	15153	20365

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PROJECT

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B. Other Program Funding Summary Not applicable for this item.

C. Acquisition Strategy The Assistant Secretary of Defense (ASD) National Information System (NII) approved the Joint Command and Control (JC2) for entry into the Concept Refinement Phase in FY03. In FY06, the Assistant Secretary of Defense (ASD) National Information Infrastructure (NII) issued an Acquisition Decision Memorandum (ADM) approving Milestone A, authorizing entry into the Technology Demonstration Phase and renaming Joint Command and Control (JC2) as Net-Enabled Command Capability (NECC).

The ongoing Technology Demonstration Phase efforts include definition of the system architecture and initial system engineering activities. Initial capability spirals are being developed to demonstrate technical feasibility and readiness, prove out the development processes and validate the program cost estimate.

Milestone B, is scheduled for 4QFY09, after completion of the initial spiral development efforts. Milestone C is scheduled for FY10 to support an Initial Operational Capability (IOC) in FY11.

ARMY RDT&E COST ANALYSIS (R3)

May 2009

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
7 - Operational system development			0303158A - Joint Command and Control Program (JC2)							714		
I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:												
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	Competitive/Time and Materials	Various	50	4589	2Q	6859	2Q	3805	2Q		15303	
Integration Efforts	Competitive/Time and Materials	Various		2726	2-4Q	863	1-4Q	7859	2-4Q		11448	
Supplemental				3034	4Q						3034	
Subtotal:			50	10349		7722		11664			29785	
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Government	Government Matrix	Various	250	898	2-3Q	1669	2-3Q	3209	2-3Q		6026	
Subtotal:			250	898		1669		3209			6026	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	FY 2010 Cost	FY 2010 Award Date	Cost To Complete	Total Cost	Target Value of Contract

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Government	Government	Various	4184	2393	1-2Q	2509	1-2Q	2771	1-2Q	Cont.	Cont.	Cont.
Contractor	Competitive/Time and Materials	Various	2697	2015	1-4Q	2828	1-4Q	2721	1-2Q		10261	
SBIR/STTR						425					425	
Subtotal:			6881	4408		5762		5492		Cont.	Cont.	Cont.
Project Total Cost:			7181	15655		15153		20365		Cont.	Cont.	Cont.

Schedule Profile (R4 Exhibit)

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PROJECT
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Event Name	FY 08				FY 09				FY 10				FY 11				FY 12				FY 13				FY 14				FY 15							
	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	1	2	3	4				
NECC Technology Development	[Redacted]																																			
(1) NECC MS B	[Redacted]				[Redacted]																															
NECC Software Development	[Redacted]																																			
(2) NECC MS C	[Redacted]				[Redacted]								[Redacted]																							

Schedule Detail (R4a Exhibit)

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<u>Schedule Detail</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>
NECC Technology Development	1Q - 4Q	1Q - 4Q						
NECC MS B		4Q						
NECC Software Development	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q		
NECC MS C			4Q					