

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2008

BUDGET ACTIVITY 7 - Operational system development		PE NUMBER AND TITLE 0303158A - Joint Command and Control Program (JC2)						PROJECT 714	
COST (In Thousands)	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	Cost to Complete	Total Cost
714 JOINT COMMAND AND CONTROL - ARMY	3929	10330	15203	23094	1637	720	7323	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 tightly 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.

NOTE: FY 2008 funding total does not include \$6,200 previously requested for current FY 2008 GWOT requirements.

<u>Accomplishments/Planned Program:</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Perform Software Development Necessary to Integrate Capability Modules onto Army Platforms	50	1906	4620
Conduct Test and Evaluation to Meet Interoperability Requirements	250	3750	4650
Perform Program Support and Management Efforts	3629	4385	5933
Small Business Innovative Research/Small Business Technology Transfer Programs		289	
Total	3929	10330	15203

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<u>B. Program Change Summary</u>	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2008/2009)	4013	10415	10386
Current BES/President's Budget (FY 2009)	3929	10330	15203
Total Adjustments	-84	-85	4817
Congressional program reductions		-85	
Congressional rescissions			
Congressional increases			
Reprogrammings	29		
SBIR/STTR Transfer	-113		
Adjustments to Budget Years			4817

Change Summary Explanation: Funding - FY 09: +4817 funds NECC development, integration and test

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

D. Acquisition Strategy Formal analysis was initiated to refine the Network-Enabled Command Capability (NECC) concept. The Assistant Secretary of Defense (ASD) approved NECC capability for entry into the Concept Refinement Phase. The Assistant Secretary of Defense (ASD) directed the Deputy Assistant Secretary of Defense (DASD), C3, Space, and IT Programs to complete a NECC Capability Analysis of Alternatives (AoA).

The alternatives were presented by OSD National Information Infrastructure (NII) and were accepted for approval. The capabilities recommended to move forward for Part II are Situational Awareness, Force Projection and Force Mobilization. The OSD (NII) Acquisition Decision Memorandum issued 7 March 2006 approved Milestone A, authorized entry into the Technology Development phase and renamed Joint Command and Control (JC2) as the Net-Enabled Command Capability (NECC) program.

The system architecture and technical baseline are being further defined, including test strategy development and lifecycle management considerations. The Capability Development Document (CDD) for Increment 1 was approved July 2007. The NECC Milestone B is scheduled for 2Q08, authorizing Increment 1 development activity. Increment 1 will be complete in FY11. Increment 2 and 3 will follow in 2 year phases.

ARMY RDT&E COST ANALYSIS (R3)

February 2008

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 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 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 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	Competitive/Time and Materials	Various		50	2Q	871	2Q	967	2Q		1888	
Integration Efforts	Competitive/Time and Materials	Various				1035	2-4Q	3653	1-4Q		4688	
Subtotal:				50		1906		4620			6576	
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Government	Government Matrix	Various		250	2Q	3750	2-3Q	4650	2-3Q		8650	
Subtotal:				250		3750		4650			8650	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2007 Cost	FY 2007 Award Date	FY 2008 Cost	FY 2008 Award Date	FY 2009 Cost	FY 2009 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Government	Government	Various	1626	932	1-2Q	2508	1-2Q	3344	1-2Q	Cont.	Cont.	Cont.

ARMY RDT&E COST ANALYSIS (R3)

February 2008

BUDGET ACTIVITY			PE NUMBER AND TITLE							PROJECT		
7 - Operational system development			0303158A - Joint Command and Control Program (JC2)							714		
Contractor	Competitive/Time and Materials	Various		2697	1-4Q	1877	1-4Q	2589	1-4Q		7163	
SBIR/STTR						289					289	
Subtotal:			1626	3629		4674		5933		Cont.	Cont.	Cont.
Project Total Cost:			1626	3929		10330		15203		Cont.	Cont.	Cont.

Schedule Profile (R4 Exhibit)

February 2008

BUDGET ACTIVITY
7 - Operational system development

PE NUMBER AND TITLE
0303158A - Joint Command and Control Program (JC2)

PROJECT
714

Event Name	FY 07				FY 08				FY 09				FY 10				FY 11				FY 12				FY 13			
	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					1																							
(1) NECC Increment 1 MS B																												
NECC Increment 1 Software Development									2																			
(2) NECC Increment 1 MS C																												

Schedule Detail (R4a Exhibit)

February 2008

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<u>Schedule Detail</u>	<u>FY 2007</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>	
NECC Technology Development	1Q - 4Q							
NECC Increment 1 MS B		2Q						
NECC Increment 1 Software Development		2Q - 4Q	1Q - 4Q	1Q - 4Q	1Q - 4Q			
NECC Increment 1 MS C		3Q						