

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

BUDGET ACTIVITY 7 - Operational system development			PE NUMBER AND TITLE 0303158A - Joint Command and Control - Army						PROJECT 714	
COST (In Thousands)	FY 2006 Actual	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	1626	4013	10415	10386	10259	23600	727	7390	Continuing	Continuing

A. Mission Description and Budget Item Justification: 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 into a single joint command and control (C2) architecture and capabilities-based implementation. This implementation will be based on Global Information Grid (GIG) Enterprise Services (GES) and consists of joint mission capability packages.

The Net-Enabled Command Capability (NECC)(formerly JC2) is the DoDs 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 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.

The Net-Enabled Command Capability (NECC) Program 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. The Program 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 towards increased net-centricity and Joint mission integration.

Net-Enabled Command Capability (NECC) (formerly known as JC2) will provide a net-centric transformation of the Joint Force Commander's current C2 capabilities via a top-driven, capability-based approach that emphasizes jointness and is inclusive of our coalition partners.

<u>Accomplishments/Planned Program:</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
System Engineering		551	579	607
Software Development		204	5662	6118
Data Engineering		800	848	899
Test and Evaluation			745	100
Program Management	1626	2345	2581	2662
Small Business Innovative Research/Small Business Technology Transfer Programs		113		
Total	1626	4013	10415	10386

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	1672	4057	3958	1760
Current BES/President's Budget (FY 2008/2009)	48015	32420	107849	106999
Total Adjustments	46343	28363	103891	105239
Congressional program reductions		-15		
Congressional rescissions				
Congressional increases				
Reprogrammings	-46	-29		
SBIR/STTR Transfer				
Adjustments to Budget Years			6457	8626

FY06: -46 funds realigned to higher priority requirements.
 FY07: -44 funds realigned to higher priority requirements.
 FY08: +6457 funds NECC development, integration and test
 FY09: +8626 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 (formerly known as Joint Command and Control (JC2)). The Assistant Secretary of Defense (ASD) approved NECC (formerly JC2) 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 initiate and lead the completion of a successful NECC (formerly JC2) Capability Analysis of Alternatives (AoA) conducted in accordance with the approved guidance.

The Analysis of Alternative (AoA) will be completed in two parts: Part I is the Capabilities Refinement Analysis, and Part II the Cost Effectiveness Analysis. During Phase I, the capabilities were refined to frame alternative implementations for Part II. These alternatives have been presented by 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 ASD (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.

During the NECC (formerly JC2) Technology Development Phase, required acquisition documentation for milestone decisions will be prepared and/or updated, as necessary; the system architecture and technical baseline will be further defined, including test strategy development and lifecycle management considerations; collaboration/coordination will occur with Joint Forces Command (JFCOM), Training and Doctrine Command (TRADOC) and other organizations, as appropriate, to refine and finalize the Capability

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Development Document (CDD) to assure an achievable requirement; and in accordance with the Clinger/Cohen Act, an Analysis of Alternatives (AoA) was completed and formal updates will be done, as required.

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE									PROJECT		
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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	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
System Engineering	Time and Materiels	Mitre, McClean, VA				551	1Q	579	1Q	607	1Q		1737	
Software Development	Government Matrix	C2D, Fort Monmouth, NJ				204	2Q	5662	1-4Q	6118	1-4Q		11984	
Subtotal:						755		6241		6725			13721	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	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
Data Engineering	Time and Materiels	Booz Allen Hamilton, Eatontown, NJ				800	2Q	848	2Q	899	2Q		2547	
Subtotal:						800		848		899			2547	
III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	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 (AEC)		Aberdeen Proving Ground, Aberdeen, MD						745	2Q	100	2Q		845	
Subtotal:								745		100			845	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2006 Cost	FY 2006 Award Date	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
Program Management	Time and	Various		1626	1Q	2345	1-2Q	2581	1-2Q	2662	1-2Q	Cont.	Cont.	Cont.

ARMY RDT&E COST ANALYSIS (R3)

February 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE										PROJECT		
7 - Operational system development			0303158A - Joint Command and Control - Army										714		
	Materials														
SBIR/STTR						113								113	
Subtotal:				1626		2458		2581		2662		Cont.	Cont.	Cont.	
Project Total Cost:				1626		4013		10415		10386		Cont.	Cont.	Cont.	

Schedule Profile (R4 Exhibit)

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Event Name	FY 06				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	1	2	3	4
(1) NECC MS A		▲ ₁																														
NECC Technology Development																																
(2) NECC Increment 1 MS B/C								▲ ₂																								
NECC Increment 1 Software Development																																
(3) NECC Increment 2 MS B/C															▲ ₃																	
NECC Increment 2 Software Development																																
(4) NECC Increment 3 MS B/C																								▲ ₄								
NECC Increment 3 Software Development																																

Schedule Detail (R4a Exhibit)

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<u>Schedule Detail</u>	<u>FY 2006</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 MS A	2Q							
NECC Technology Development	2Q - 4Q	1Q - 4Q						
NECC Increment 1 MS B/C		4Q						
NECC Increment 1 Software Development		4Q	1Q - 4Q	1Q - 4Q				
NECC Increment 2 MS B/C				4Q				
NECC Increment 2 Software Development					1Q - 4Q	1Q - 4Q		
NECC Increment 3 MS B/C						4Q		
NECC Increment 3 Software Development						4Q	1Q - 4Q	1Q - 4Q