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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				PE 0303150A: <i>WWMCCS/Global Command and Control System</i>							
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	13.683	13.024	23.937	-	23.937	15.253	14.614	13.961	13.738	Continuing	Continuing
C86: <i>ARMY GLOBAL C2 SYSTEM</i>	13.683	13.024	23.937	-	23.937	15.253	14.614	13.961	13.738	Continuing	Continuing

Note

Change Summary Explanation: Funding FY 12: +18.280 million increase to support continuation of Battle Command requirements.

A. Mission Description and Budget Item Justification

Global Command and Control System-Army (GCCS-A): This project is the Army component system that directly supports the implementation of the Global Command and Control System Family of Systems. GCCS-A provides automated command and control tools for Army Strategic and Operational Theater Commanders to enhance warfighter capabilities throughout the spectrum of conflict during joint and combined operations in support of the National Command Authority (NCA). The GCCS-A developed software systems dramatically improves the Army's ability to analyze courses of action; develop and manage Army Forces; and ensure feasibility of war plans. GCCS-A provides a client-server layered architecture and functional best-of-breed software applications to develop a totally integrated component of the Global Command and Control System Family of Systems that integrates the GCCS-Joint picture with the Army Battle Command Systems. The GCCS-A strategic tools have been modernized and replaced by DRRS-A, a suite of web based applications for Army Readiness, Force Registration and Force Projection.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	11.972	13.024	1.632	-	1.632
Current President's Budget	13.683	13.024	23.937	-	23.937
Total Adjustments	1.711	-	22.305	-	22.305
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	1.711	-	22.305	-	22.305

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303150A: WWMCCS/Global Command and Control System				PROJECT C86: ARMY GLOBAL C2 SYSTEM			
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
C86: ARMY GLOBAL C2 SYSTEM	13.683	13.024	23.937	-	23.937	15.253	14.614	13.961	13.738	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Global Command and Control System-Army (GCCS-A): This project is the Army component system that directly supports the implementation of the Global Command and Control System Family of Systems (FoS). GCCS-A provides automated command and control tools for Army Strategic and Operational Theater Commanders to enhance warfighter capabilities throughout the spectrum of conflict during Joint and combined operations in support of the National Command Authority (NCA). The GCCS-A developed software systems dramatically improves the Army's ability to analyze courses of action; develop and manage Army Forces; and ensure feasibility of war plans. GCCS-A provides a client-server layered architecture and functional best-of-breed software applications to develop a totally integrated component of the Global Command and Control System FoS that integrates the GCCS-Joint picture with the Army Battle Command Systems. The GCCS-A strategic tools for readiness reporting have been modernized and replaced by Defense Readiness Reporting System-Army (DRRS-A), a suite of web based applications for Army Readiness, Force Registration and Force Projection. DRRS-A will implement the Global Force Management Data Initiative (GFM DI) for consumption and use of authoritative, standardized force structure data enabling machine-to-machine integration and transfer of data in the GFM process.											
GCCS-Army is a part of the GCCS Family of Systems. As such and responding to Congressional direction (Section 247 of Fiscal Year 2010 National Defense Authorization Act (NDAA)), it will form the basis for the evolution of new command and control capabilities within the Department of Defense (DoD). While sustaining and synchronizing currently fielded operations, the Army will modernize and enhance current capabilities to support both the Service and Joint warfighter as a part of a synchronized, orchestrated DoD-wide effort that will transition the current GCCS FoS into a more agile, net-centric, services-oriented environment. These efforts will take advantage of both streamlined processes within the requirements community, such as the "IT Box" and ongoing changes in the information technology acquisition process, as described in Ch 6 of the March 2009 Report of the Defense Science Board (DSB) Task Force on DoD Policies and Procedures for the Acquisition of Information Technology (Section 804 of Fiscal Year 2010 NDAA).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: GCCS-A Software and System Engineering								0.348	0.264	0.460	
								Articles: 0	0		
Description: Software and System Engineering for Version 4.1, 4.2 and future developmental requirements											
FY 2010 Accomplishments: Software and System Engineering for Version 4.1											
FY 2011 Plans:											

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0303150A: WWMCCS/Global Command and Control System	PROJECT C86: ARMY GLOBAL C2 SYSTEM		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Software and System Engineering for Version 4.2 FY 2012 Plans: Software and System Engineering for Version 4.2				
Title: GCCS-A Data Engineering Description: GCCS-A Data Engineering for Version 4.1, 4.2 and future developmental requirements FY 2010 Accomplishments: Data Engineering for Version 4.1 FY 2011 Plans: Data Engineering for Version 4.2 FY 2012 Plans: Data Engineering for Version 4.2		Articles: 0.734 0	1.312 0	1.416
Title: GCCS-A and DRRS-A Software Development of Automated Command and Control Tools Description: Software Development of Automated Command and Control Tools for Version 4.1, 4.2 and future developmental requirements FY 2010 Accomplishments: Software Development of Automated Command and Control Tools for Version 4.1 FY 2011 Plans: Software Development of Automated Command and Control Tools for Version 4.2 FY 2012 Plans: Software Development of Automated Command and Control Tools for GCCS-A Version 4.2 and DRRS-A		Articles: 10.877 0	9.868 0	20.481
Title: GCCS-A Test and Evaluation Description: Test and Evaluation for Version 4.1, 4.2 and future developmental requirements FY 2010 Accomplishments:		Articles: 0.162 0	0.500 0	0.500

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303150A: WWMCCS/Global Command and Control System				PROJECT C86: ARMY GLOBAL C2 SYSTEM			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Test and Evaluation for Version 4.1 FY 2011 Plans: Test and Evaluation for Version 4.2 FY 2012 Plans: Test and Evaluation for Version 4.2											
Title: GCCS-A Program Support and Management Articles: Description: Support and Management for Version 4.1, 4.2 and future developmental requirements FY 2010 Accomplishments: Program Support and Management for Version 4.1 FY 2011 Plans: Program Support and Management for Version 4.2 FY 2012 Plans: Program Support and Management for Version 4.2									1.562 0	1.080 0	1.080
Accomplishments/Planned Programs Subtotals									13.683	13.024	23.937
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
• BA8250: Global Command & Control System-Army (GCCSA)	22.992	20.387	18.788		18.788		6.604			Continuing	Continuing
D. Acquisition Strategy											
GCCS-A was slated for replacement by the future Department of Defense (DoD) Command and Control (C2) system, the Net Enabled Command Capability (NECC) program. The NECC program was cancelled by the Defense Acquisition Executive (DAE) on 2 November 2009. The GCCS-A will be maintained and upgraded as necessary until a future DoD C2 system is available. The strategy for Defense Readiness Reporting System-Army (DRRS-A) is based on annual software releases integrating Headquarters, Department of the Army (HQDA)(Office of Defense Readiness) directed changes.											
In accordance with the Training and Doctrine Command (TRADOC) requirements document approved in 2008, entitled GCCS-A Battle Command Essential Capability, software capability will be developed in 2-year increments as capability sets designed to Collaborate, Collapse and Converge Battle Command products. The product											

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303150A: <i>WWMCCS/Global Command and Control System</i>	PROJECT C86: <i>ARMY GLOBAL C2 SYSTEM</i>
<p>development funded under this R-Form is an integral part of the Army Battle Command System (ABCS), a system of systems, under a strategy designed to optimize opportunity for improved interoperability among the systems, to capture the benefits of competition where possible and to ensure the rapid integration of new capability into warfighter systems. This strategy is designed to reduce the physical footprint, logistics support requirements and increase operational efficiency.</p> <p><u>E. Performance Metrics</u></p> <p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303150A: WWMCCS/Global Command and Control System				PROJECT C86: ARMY GLOBAL C2 SYSTEM					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Management	Various	PM Battle Command:Fort Monmouth, NJ	9.748	1.080		1.080		-		1.080	Continuing	Continuing	Continuing
SBIR	Various	PM Battle Command:Various	0.235	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			9.983	1.080		1.080		-		1.080			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development (Completed Contracts)	Various	Lockheed Martin Corp (LMC):Springfield, VA	147.652	-		-		-		-	Continuing	Continuing	Continuing
Software Development (Current Contract)	C/CPAF	Lockheed Martin Corp (LMC):Springfield, VA	-	8.107		11.800		-		11.800	Continuing	Continuing	0.000
Software Development (Future Contracts)	Various	To be determined:To be determined	-	-		7.409		-		7.409	Continuing	Continuing	0.000
Defense Readiness Reporting System-Army	Various	CACI Accenture:Eatontown, NJ	5.692	1.500		1.000		-		1.000	Continuing	Continuing	Continuing
Developmental Hardware/Licensing	Various	Various:Various	0.005	-		-		-		-	Continuing	Continuing	Continuing
Technical Management	Various	PM Battle Command:Fort Monmouth, NJ	38.101	-		-		-		-	Continuing	Continuing	Continuing
Matrix	Various	CECOM:Aberdeen Proving Ground, MD	5.668	0.261		0.272		-		0.272	Continuing	Continuing	Continuing
System Engineering	Various	Various:Various	5.178	0.264		0.460		-		0.460	Continuing	Continuing	Continuing
ABCS System Engineering & Integration Efforts	Various	PEO C3T:Fort Monmouth, NJ	1.514	-		-		-		-	Continuing	Continuing	Continuing
GFE	Various	Various:Various	1.464	-		-		-		-	Continuing	Continuing	Continuing
Product Studies	Various	SAIC:Eatontown, NJ	2.391	-		-		-		-	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011		
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
COE Support	Various	Various:Various	1.766	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			209.431	10.132		20.941		-		20.941			

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
FCBS/CSC	C/FP	Various:Various	2.389	-		-		-		-	0.000	2.389	Continuing
INRI	C/FP	Various:Various	0.200	-		-		-		-	0.000	0.200	Continuing
Support Contractors	C/FP	Various:Various	10.989	1.312		1.416		-		1.416	Continuing	Continuing	Continuing
Subtotal			13.578	1.312		1.416		-		1.416			

Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Government	Various	Various:Various	4.735	-		-		-		-	Continuing	Continuing	Continuing
EPG	MIPR	Various:Various	0.786	-		-		-		-	Continuing	Continuing	Continuing
ATEC/JTIC/CTSF/SEC	MIPR	Various:Various	2.602	0.500		0.500		-		0.500	Continuing	Continuing	Continuing
Subtotal			8.123	0.500		0.500		-		0.500			

			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			241.115	13.024		23.937		-		23.937			

Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army																DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY								R-1 ITEM NOMENCLATURE								PROJECT			
2040: Research, Development, Test & Evaluation, Army								PE 0303150A: WWMCCS/Global Command and Control System								C86: ARMY GLOBAL C2 SYSTEM			
BA 7: Operational Systems Development																			

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303150A: <i>WWMCCS/Global Command and Control System</i>	PROJECT C86: <i>ARMY GLOBAL C2 SYSTEM</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Block 4.2 Software Development/Software Fixes	3	2010	3	2012
Future Developmental Requirements	4	2012	3	2016

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