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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army	DATE: April 2013
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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)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	22.658	14.443	14.215	-	14.215	14.843	14.982	13.182	13.314	Continuing	Continuing
C86: <i>ARMY GLOBAL C2 SYSTEM</i>	-	22.658	14.443	14.215	-	14.215	14.843	14.982	13.182	13.314	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

Change Summary Explanation: Funding increased to continue development of GCCS-A modernization to include necessary components to be compliant with Common Operating Environment (COE) and Global Force Management Data Initiative (GFMD-I).

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 Security. 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 is moving towards a common operating environment (COE) that will enable secure and interoperable applications to be rapidly developed and executed across a variety of computing environments 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 (ABCS). GCCS-A strategic tools for readiness reporting have been modernized and replaced with the Defense Readiness Reporting System - Army (DRRS-A), a suite of web based applications for Army Readiness, Force Registration and Force Projection.

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
2040: Research, Development, Test & Evaluation, Army		PE 0303150A: WWMCCS/Global Command and Control System			
BA 7: Operational Systems Development					
B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	23.899	14.443	13.995	-	13.995
Current President's Budget	22.658	14.443	14.215	-	14.215
Total Adjustments	-1.241	0.000	0.220	-	0.220
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.620	-			
• SBIR/STTR Transfer	-0.621	-			
• Adjustments to Budget Years	-	-	0.220	-	0.220

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army									DATE: April 2013			
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)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
C86: ARMY GLOBAL C2 SYSTEM	-	22.658	14.443	14.215	-	14.215	14.843	14.982	13.182	13.314	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Global Command and Control System-Army (GCCS-A): This project is the Army component of the Global Command and Control System (GCCS) Family of Systems (FoS). GCCS-A provides automated command and control tools, including Force readiness, planning and movement, and situational awareness, for Army Strategic and Operational Theater commanders to enhance warfighter capabilities throughout the spectrum of conflict during Joint and combined operations in support of National Security. GCCS-A dramatically improves the Army's ability to analyze courses of action, develop and manage Army forces and execute war plans. GCCS-A links the GCCS-Joint Common Operating Picture with the Army Mission Command systems. GCCS-A will be modernized to meet evolving requirements to enterprise and web based architectures to enable secure and interoperable applications to be rapidly developed and executed across a variety of computing environments. GCCS-A strategic tools for readiness reporting have been modernized and replaced with the Defense Readiness Reporting System - Army (DRRS-A), a suite of web based applications for Army Readiness, Force Registration and Force Projection. DRRS-A is currently implementing the Global Force Management Data Initiative (GFMD-I) for consumption of authoritative force structure data.												
Based on Congressional direction (Section 247 of Fiscal Year 2010 National Defense Authorization Act (NDAA)), the Secretary of Defense submitted reports to the congressional defense committees detailing the consolidation of the NECC system with the GCCS FoS. As part of that effort, it was determined that GCCS-A will be included in the modernization of the command and control systems within the DoD under the Joint C2 framework. While sustaining and synchronizing current fielded operations, the Army will modernize and enhance current capabilities to support both the Service and Joint warfighters as part of a synchronized, orchestrated DoD wide effort that will transition the GCCS FoS into a more agile, net-centric, service oriented environment."												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: GCCS-A/DRRS-A Software and System Engineering (Common Operating Environment (COE) System Engineering) Articles:									0.317	0.317	0.317	
									0	0		
Description: Software and System Engineering for GCCS-A and DRRS-A Modernization												
FY 2012 Accomplishments: Software and System Engineering for GCCS-A and DRRS-A Modernization												
FY 2013 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 2012	FY 2013	FY 2014
Software and System Engineering for GCCS-A and DRRS-A Modernization				
FY 2014 Plans: Software and System Engineering for GCCS-A and DRRS-A Modernization				
Title: GCCS-A/DRRS-A Data Engineering (COE Data Engineering)		1.385	1.005	1.385
Articles:		0	0	
Description: Data Engineering for GCCS-A and DRRS-A Modernization				
FY 2012 Accomplishments: Data Engineering for GCCS-A and DRRS-A Modernization				
FY 2013 Plans: Data Engineering for GCCS-A and DRRS-A Modernization				
FY 2014 Plans: Data Engineering for GCCS-A and DRRS-A Modernization				
Title: GCCS-A/DRRS-A Software Development of Automated Command and Control Tools (COE Automated Command and Control Tools)		19.370	11.535	10.927
Articles:		0	0	
Description: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization				
FY 2012 Accomplishments: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization				
FY 2013 Plans: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization				
FY 2014 Plans: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization				
Title: GCCS-A/DRRS-A Test and Evaluation		0.643	0.643	0.643
Articles:		0	0	
Description: Test and Evaluation for GCCS-A and DRRS-A Modernization				
FY 2012 Accomplishments:				

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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>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2012	FY 2013	FY 2014		
Test and Evaluation for GCCS-A and DRRS-A Modernization											
FY 2013 Plans: Test and Evaluation for GCCS-A and DRRS-A Modernization											
FY 2014 Plans: Test and Evaluation for GCCS-A and DRRS-A Modernization											
Title: GCCS-A/DRRS-A Program Support and Management							Articles:	0.943 0	0.943 0	0.943	
Description: Support and Management for GCCS-A and DRRS-A Modernization											
FY 2012 Accomplishments: Program Support and Management for GCCS-A and DRRS-A Modernization											
FY 2013 Plans: Program Support and Management for GCCS-A and DRRS-A Modernization											
FY 2014 Plans: Support and Management for GCCS-A and DRRS-A Modernization											
Accomplishments/Planned Programs Subtotals							22.658	14.443	14.215		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• BA8250A: <i>Global Command & Control System-Army (GCCS-A)</i>	18.788	10.848	17.590		17.590	13.920	13.999	14.237	14.350	Continuing	Continuing
Remarks											
D. Acquisition Strategy GCCS-A was slated for replacement by the future 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. Under current plans, GCCS-A will be modernized to meet the requirements defined in the Joint C2 Capability Development Document (CDD), as well as align with the Joint and Army Enterprise architectures and Common Operating Environment (COE) standards.											

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GCCS-A must be maintained as a system until replaced by a new joint command and control capability. GCCS-A will be modernized as part of the Joint Command and Control (C2) way forward. In accordance with the Joint Requirements Oversight Committee (JROC) Memorandum (JROCM) 145-09 which states, "The JROC endorses efforts to develop and implement programmatic recommendations to support the "Do No Harm" Strategy", GCCS-A continues to sustain, synchronize and modernize along with the GCCS Family of Systems (FoS). In FY11 the Joint C2 Overarching Integrated Product Team concurred with the Analysis of Alternatives (AoA) results and endorsed the proposed modernization of the GCCS FoS. In FY12 the Under Secretary of Defense, Acquisition, Technology, and Logistics approved the Joint C2 Capability AoA recommendations to implement the Joint C2 sustainment and modernization strategy based on creating and maintaining a federated Joint C2 Family of Programs. On May 17, 2012 the Under Secretary of Defense, Acquisition, Technology, and Logistics approved the Joint C2 Capability AoA recommendations to implement the Joint C2 sustainment and modernization strategy based on creating and maintaining a federated Joint C2 Family of Programs. An Acquisition Decision Memorandum (ADM) was prepared by Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)) and signed by the Army Acquisition Executive (AAE) on September 7, 2012. The ADM directs that the Modernization Strategy will consist of two separate program efforts. (1) A three-year (Fiscal Years 2012-2015) (FY12-15) Bridge effort, Acquisition Category (ACAT) III level with Milestone Decision Authority (MDA) and authority to conduct a Materiel Development Decision (MDD) delegated down to Program Executive Office (PEO) Command, Control, Communications - Tactical (C3T), and (2) a Modernization development effort for the Army's Joint and Strategic command and Control capabilities and Common Operating Environment (COE) infrastructure software products, with an MDD no later than (NLT) FY2015 at which time ACAT level will be determined. In accordance with the Training and Doctrine Command (TRADOC) requirements document approved in 2011, entitled Net Enabled Mission Command (NeMC) Initial Capabilities Document (ICD), software capability will be developed in 2-year increments as capability sets designed to Collaborate, Collapse and Converge Mission Command products. The product development funded under this R-Form is an integral part of the Mission Command 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. <u>E. Performance Metrics</u> 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.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army												DATE: April 2013			
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Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office Management	Various	PM Mission Command:Aberdeen Proving Ground, Maryland	12.221	0.943		0.943		0.943		-		0.943	Continuing	Continuing	Continuing
Subtotal			12.221	0.943		0.943		0.943		0.000		0.943			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	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	156.206	-		-		-		-		-	0.000	156.206	156.206
GCCS-A and DRRS-A Modernization Software Development (Completed Contract)	C/CPAF	Lockheed Martin Corp (LMC):Springfield, VA	9.457	11.855		-		-		-		-	0.000	21.312	21.312
GCCS-A/DRRS-A Modernization Software Development (Current Contract)	Various	Software Engineering Center:Aberdeen Proving Ground, MD	0.000	6.142		10.162		-		-		-	0.000	16.304	16.304
Defense Readiness Reporting System-Army Software Development (Current Contract)	Various	Software Engineering Center:APG, MD	8.217	1.000		1.000		-		-		-	0.000	10.217	10.217
GCCS-A Modernization Software Development (Future Contract)	TBD	TBD:APG, MD	0.000	-		-		4.893	Oct 2014	-		4.893	Continuing	Continuing	Continuing
DRRS-A Software Development (Future Contract)	TBD	TBD:APG, MD	0.000	-		-		5.731	Oct 2014	-		5.731	Continuing	Continuing	Continuing
Matrix	Various	CECOM:Aberdeen Proving Ground, MD	6.106	0.373		0.373		0.303		-		0.303	Continuing	Continuing	Continuing

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Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Engineering	Various	Various:Various	5.774	0.317		0.317		0.317		-		0.317	Continuing	Continuing	Continuing
Subtotal			185.760	19.687		11.852		11.244		0.000		11.244			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Support Contractors	C/FP	Various:Various	12.880	1.385		1.005		1.385		-		1.385	Continuing	Continuing	Continuing
Subtotal			12.880	1.385		1.005		1.385		0.000		1.385			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
ATEC/JTIC/CTSF/SEC	MIPR	Various:Various	2.897	0.643		0.643		0.643		-		0.643	Continuing	Continuing	Continuing
Subtotal			2.897	0.643		0.643		0.643		0.000		0.643			
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			213.758	22.658		14.443		14.215		0.000		14.215			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army			DATE: April 2013		
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>		

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	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
Integration & Test COE 1																												
GCCS-A and DRRS-A Modernization Software Development COE 2																												
Integration & Test COE 2																												
GCCS-A and DRRS-A Modernization Software Development COE 3																												
Integration & Test COE 3																												
GCCS-A and DRRS-A Modernization Software Development COE 4																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army			DATE: April 2013
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
Integration & Test COE 1	1	2013	4	2013
GCCS-A and DRRS-A Modernization Software Development COE 2	1	2013	4	2014
Integration & Test COE 2	1	2015	4	2015
GCCS-A and DRRS-A Modernization Software Development COE 3	1	2015	4	2016
Integration & Test COE 3	1	2017	4	2017
GCCS-A and DRRS-A Modernization Software Development COE 4	1	2017	4	2018