Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										**Date:** March 2014	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 7: *Operational Systems Development*					**R-1 Program Element (Number/Name)** PE 0303150A *I WWMCCS/Global Command and Control System*						
COST ($ in Millions)	**Prior Years**	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO #**	**FY 2015 Total**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**Cost To Complete**	**Total Cost**
Total Program Element	-	13.208	14.208	2.151	-	2.151	3.930	3.667	4.679	4.743	Continuing	Continuing
C86: *Army Global C2 System*	-	13.208	14.208	2.151	-	2.151	3.930	3.667	4.679	4.743	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note
Change Summary Explanation: Funding decremented due to higher Army priorities.

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. In accordance with Army Command Post Computing Environment and Joint Command and Control objectives, GCCS-A will be re-architected away from a scalable process architecture based server - thick client architecture to a virtualized server - web client architecture hosted on Battle Command Common Services and Mission Command Workstation by the end of Fiscal Year 2015. 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.

B. Program Change Summary ($ in Millions)

	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	14.443	14.215	14.843	-	14.843
Current President's Budget	13.208	14.208	2.151	-	2.151
Total Adjustments	-1.235	-0.007	-12.692	-	-12.692
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-1.235	-0.007	-12.692	-	-12.692

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army											Date: March 2014	

Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System					Project (Number/Name) C86 / Army Global C2 System			

COST ($ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
C86: Army Global C2 System	-	13.208	14.208	2.151	-	2.151	3.930	3.667	4.679	4.743	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

The FY 2015 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. In accordance with Army Command Post Computing Environment and Joint Command and Control objectives, GCCS-A will be re-architected away from a scalable process architecture based server - thick client architecture to a virtualized server - web client architecture hosted on Battle Command Common Services and Mission Command Workstation by Fiscal Year 2015. 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 Net Enabled Command Capability 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 by developing a virtualized server and web client based GCCS-A Global Lite-Army baseline ready for certification testing in Fiscal Year 2015.

Fiscal Year 2015 funding supports certification testing of the GCCS-A Bridge Effort in conjunction with Common Operating Environment testing to ensure that GCCS-A Bridge Effort software is successfully configured as a virtual machine on Battle Command Common Services and is interoperable with Army and Joint Mission Command Systems.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)

	FY 2013	FY 2014	FY 2015
Title: GCCS-A/DRRS-A Software and System Engineering (Common Operating Environment (COE) System Engineering)	0.317	0.317	0.326
Articles:	-	-	-
Description: Software and System Engineering for GCCS-A and DRRS-A Modernization			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 7	**R-1 Program Element (Number/Name)** PE 0303150A / WWMCCS/Global Command and Control System	**Project (Number/Name)** C86 / Army Global C2 System

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
FY 2013 Accomplishments: 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 *FY 2015 Plans:* Software and System Engineering for GCCS-A and DRRS-A Modernization			
Title: GCCS-A/DRRS-A Data Engineering (COE Data Engineering) ***Articles:***	1.005 -	1.385 -	0.678 -
Description: Data Engineering for GCCS-A and DRRS-A Modernization *FY 2013 Accomplishments:* Data Engineering for GCCS-A and DRRS-A Modernization *FY 2014 Plans:* Data Engineering for GCCS-A and DRRS-A Modernization *FY 2015 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) ***Articles:***	10.300 -	10.920 -	- -
Description: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization *FY 2013 Accomplishments:* 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 ***Articles:***	0.643 -	0.643 -	0.662 -
Description: Test and Evaluation for GCCS-A and DRRS-A Modernization			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System	Project (Number/Name) C86 / Army Global C2 System

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
FY 2013 Accomplishments: Test and Evaluation for GCCS-A and DRRS-A Modernization *FY 2014 Plans:* Test and Evaluation for GCCS-A and DRRS-A Modernization *FY 2015 Plans:* Test and Evaluation for GCCS-A and DRRS-A Modernization			
Title: GCCS-A/DRRS-A Program Support and Management **Articles:** *Description:* Support and Management for GCCS-A and DRRS-A Modernization *FY 2013 Accomplishments:* Program Support and Management for GCCS-A and DRRS-A Modernization *FY 2014 Plans:* Program Support and Management for GCCS-A and DRRS-A Modernization *FY 2015 Plans:* Program Support and Management for GCCS-A and DRRS-A Modernization	0.943 -	0.943 -	0.485 -
Accomplishments/Planned Programs Subtotals	13.208	14.208	2.151

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
• BA8250A: *Global Command & Control System-Army (GCCS-A)*	10.834	2.590	-	-	-	-	-	-	-	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.

Exhibit R-2A, **RDT&E Project Justification:** PB 2015 Army		**Date:** March 2014
Appropriation/Budget Activity 2040 *I* 7	**R-1 Program Element (Number/Name)** PE 0303150A *I WWMCCS/Global Command and Control System*	**Project (Number/Name)** C86 *I Army Global C2 System*

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 Fiscal Year 2011 the Joint C2 Overarching Integrated Product Team concurred with the Analysis of Alternatives (AoA) results and endorsed the proposed modernization of the GCCS FoS.

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. The GCCS-A modernization development effort will be scoped and resourced once a validated Army requirement is approved. GCCS-A must be maintained as a system until replaced by a new Joint Command and Control (C2) capability. Based on the Joint C2 AoA determination, services are directed to transform the GCCS Family of Systems to a more agile, net-centric, service oriented environment.

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 through deployment as a virtualized server on Battle Command Common Services and a web client on Mission Command Workstation; GCCS-A Global Lite will meet this requirement and will be undergo certification testing in Fiscal Year 2015.

E. Performance Metrics
N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												Date: March 2014		

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System	Project (Number/Name) C86 / Army Global C2 System

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Office Management	Various	PM Mission Command : Aberdeen Proving Ground, Maryland	13.164	0.943		0.943	Dec 2013	0.485	Dec 2014	-		0.485	Continuing	Continuing	Continuing
		Subtotal	13.164	0.943		0.943		0.485		-		0.485	-	-	-

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Software Development (Completed Contracts)	Various	Lockheed Martin Corp (LMC) : Springfield, VA	156.206	-		-		-		-		-	-	156.206	156.206
GCCS-A and DRRS-A Bridge Effort Software Development (Completed Contract)	C/CPAF	Lockheed Martin Corp (LMC) : Springfield, VA	21.312	-		-		-		-		-	-	21.312	21.312
GCCS-A/DRRS-A Bridge Effort Software Development (Current Contract)	Various	Software Engineering Center : Aberdeen Proving Ground, MD	6.142	8.927		-		-		-		-	-	15.069	16.304
Defense Readiness Reporting System-Army Bridge Effort Software Development (Current Contract)	Various	Software Engineering Center : APG, MD	9.217	1.000		-		-		-		-	-	10.217	10.217
GCCS-A Bridge Effort Software Development (Future Contract)	C/CPAF	TBD : APG, MD	0.000	-		4.893	Sep 2013	-		-		-	Continuing	Continuing	Continuing
DRRS-A Bridge Effort Software Development (Future Contract)	C/CPAF	TBD : APG, MD	0.000	-		5.724	Aug 2013	-		-		-	Continuing	Continuing	Continuing
Matrix	Various	CECOM : Aberdeen Proving Ground, MD	6.479	0.373		0.303	Dec 2013	-		-		-	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army												**Date:** March 2014		
Appropriation/Budget Activity 2040 / 7						**R-1 Program Element (Number/Name)** PE 0303150A / WWMCCS/Global Command and Control System						**Project (Number/Name)** C86 / Army Global C2 System		

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
System Engineering	Various	Various : Various	6.091	0.317		0.317	Dec 2013	0.326	Dec 2014	-		0.326	Continuing	Continuing	Continuing
Subtotal			205.447	10.617		11.237		0.326		-		0.326	-	-	-

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Support Contractors	C/FP	Various : Various	14.265	1.005		1.385	Mar 2014	0.678	Dec 2014	-		0.678	Continuing	Continuing	Continuing
Subtotal			14.265	1.005		1.385		0.678		-		0.678	-	-	-

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
ATEC/JTIC/CTSF/SEC	MIPR	Various : Various	3.540	0.643		0.643	Dec 2013	0.662	Dec 2014	-		0.662	Continuing	Continuing	Continuing
Subtotal			3.540	0.643		0.643		0.662		-		0.662	-	-	-

	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	236.416	13.208	14.208	2.151	-	2.151	-	-	-

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Army | **Date:** March 2014

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System	Project (Number/Name) C86 / Army Global C2 System

	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019			
	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
GCCS-A and DRRS-A Bridge Effort Software Development COE v1																												
Integration & Test COE 1																												
GCCS-A and DRRS-A Bridge Effort Software Development COE v2																												
Integration & Test COE 2																												
GCCS-A Modernization Software Development COE v3																												
Integration & Test COE v3																												
GCCS-A and DRRS-A Modernization Software Development COE v4																												
Hardware Fielding																												
Software Fielding																												

Exhibit R-4A, **RDT&E Schedule Details:** PB 2015 Army		**Date:** March 2014
Appropriation/Budget Activity 2040 / 7	**R-1 Program Element (Number/Name)** PE 0303150A / *WWMCCS/Global Command and Control System*	**Project (Number/Name)** C86 / *Army Global C2 System*

Schedule Details

Events	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
GCCS-A and DRRS-A Bridge Effort Software Development COE v1	1	2012	4	2014
Integration & Test COE 1	1	2013	4	2013
GCCS-A and DRRS-A Bridge Effort Software Development COE v2	1	2014	4	2016
Integration & Test COE 2	1	2015	4	2015
GCCS-A Modernization Software Development COE v3	1	2016	4	2018
Integration & Test COE v3	1	2017	4	2017
GCCS-A and DRRS-A Modernization Software Development COE v4	1	2019	4	2020
Hardware Fielding	1	2007	3	2014
Software Fielding	1	2007	4	2020