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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army	Date: February 2015
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	13.852	2.150	7.053	-	7.053	9.767	8.118	7.934	5.653	-	54.527
C86: Army Global C2 System	-	13.852	2.150	7.053	-	7.053	0.474	0.316	-	-	-	23.845
EA5: Strategic and Joint Mission Command	-	-	-	-	-	-	9.293	7.802	7.934	5.653	-	30.682

Note

In FY16, increase will provide support for modernization of the Defense Readiness Reporting System - Army (DRRS-A).

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 2016. 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. Strategic and Joint Mission Command funding will be used to modernize GCCS-A as outlined in the Joint Command and Control Capability Development Document (JC2 CDD) and the Army Mission Command for Unified Action Capability Definition Package (AMCUA CDP).

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	14.208	2.151	3.930	-	3.930
Current President's Budget	13.852	2.150	7.053	-	7.053
Total Adjustments	-0.356	-0.001	3.123	-	3.123
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.356	-0.001			
• Adjustments to Budget Years	-	-	3.123	-	3.123

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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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
C86: Army Global C2 System	-	13.852	2.150	7.053	-	7.053	0.474	0.316	-	-	-	23.845
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY16, \$3.123 million will provide support for modernization of the Defense Readiness Reporting System - Army (DRRS-A).												
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 the end of Fiscal Year 2016. 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. Fiscal Year 2016 funding supports GCCS-A 4.3 software enhancements and 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. Additionally, the funding will provide continued support of DRRS-A Modernization efforts.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Software and System Engineering (Common Operating Environment (COE) System Engineering)									0.317	0.326	3.063	
Description: Software and System Engineering for GCCS-A and DRRS-A Modernization												
FY 2014 Accomplishments: 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												
FY 2016 Plans:												

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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)		FY 2014	FY 2015	FY 2016
Software and System Engineering DRRS-A Modernization				
Title: Sync with COE and Command Post Computing Environment (CP CE) and Joint C2 objective Architecture Description: Software ehancement efforts required to sync with COE/CPCE and Joint C2 objective Architecture FY 2016 Plans: Software enhancement efforts required to sync with COE/CPCE and Joint C2 objective Architecture		-	-	2.910
Title: Data Engineering (COE Data Engineering) Description: Data Engineering for GCCS-A and DRRS-A Modernization FY 2014 Accomplishments: Data Engineering for GCCS-A and DRRS-A Modernization FY 2015 Plans: Data Engineering for GCCS-A and DRRS-A Modernization		1.385	0.678	-
Title: Software Development of Automated Command and Control Tools (COE Automated Command and Control Tools) Description: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization FY 2014 Accomplishments: Software Development of Automated Command and Control Tools for GCCS-A and DRRS-A Modernization		10.920	-	-
Title: Test and Evaluation Description: Test and Evaluation for GCCS-A and DRRS-A Modernization FY 2014 Accomplishments: Test and Evaluation for GCCS-A and DRRS-A Modernization FY 2015 Plans: Test and Evaluation for GCCS-A and DRRS-A Modernization FY 2016 Plans: Test and Evaluation for GCCS-A. JITC/CTSF/SEC testing.		0.643	0.662	0.450
Title: Program Support and Management Description: Support and Management for GCCS-A and DRRS-A Modernization		0.587	0.484	0.630

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
FY 2014 Accomplishments: 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 FY 2016 Plans: Program Support and Management for GCCS-A			
Accomplishments/Planned Programs Subtotals	13.852	2.150	7.053

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• BA8250A: BA8250 Army Global Cmd & Control Sys (AGCCS) - OPA	2.590	-	10.137	-	10.137	2.529	2.643	2.619	4.648	Continuing	Continuing
Remarks											
D. Acquisition Strategy GCCS-A is modernizing to meet the requirements defined in the Joint C2 Capability Development Document (CDD) and to align with the Joint and Army Enterprise architectures and Common Operating Environment (COE) standards. 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 synchronize and modernize along with the GCCS Family of Systems (FoS). The GCCS-A Modernization Strategy will consist of two separate program efforts. (1) A Bridge effort, Acquisition Category (ACAT) III level 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. The GCCS-A modernization development effort will be in compliance with Joint Command and Control Capability Development Document (JC2 CDD) and Army Mission Command for Unified Action Capability Definition Package (AMCUA CDP). DRRS-A developmental efforts will continue to satisfy readiness reporting requirements from Army Readiness Division (DAMO-ODR). 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											

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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 web clients. <u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
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)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	Various : Various Locations	14.107	0.587	Nov 2013	0.484	Nov 2014	0.630	Nov 2015	-		0.630	-	15.808	15.805
Subtotal			14.107	0.587		0.484		0.630		-		0.630	-	15.808	15.805
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	-		-		-		-		-	-	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 (Completed Contract)	Various	Software Engineering Center : Aberdeen Proving Ground, MD	15.069	-		-		-		-		-	-	15.069	16.304
Defense Readiness Reporting System-Army Bridge Effort Software Development (Completed Contract)	Various	Software Engineering Center : APG, MD	10.217	-		-		-		-		-	-	10.217	10.217
GCCS-A/DRRS-A Bridge Effort Software Development	MIPR	Software Engineering Center : APG, MD	0.000	11.237	Apr 2014	0.326	Feb 2015	5.973	Jan 2016	-		5.973	-	17.536	4.893
Subtotal			202.804	11.237		0.326		5.973		-		5.973	-	220.340	208.932

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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			
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	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	15.270	1.385	Mar 2014	0.678	Feb 2015	-		-		-	-	17.333	17.333
Subtotal			15.270	1.385		0.678		-		-		-	-	17.333	17.333
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
A TEC/JTIC/CTSF/SEC	MIPR	Various : Various	4.183	0.643	Feb 2014	0.662	Feb 2015	0.450	Feb 2016	-		0.450	-	5.938	6.878
Subtotal			4.183	0.643		0.662		0.450		-		0.450	-	5.938	6.878
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			236.364	13.852		2.150		7.053		-		7.053	-	259.419	248.948
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015												
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										
Event Name	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Software Fielding and IA 4.2b (Procurement Funded)					Software Fielding 4.2B																							
GCCS-A Bridge Effort Software Development GCCS-A v4.3 (COE v1)	COE v1																											
Integration & Test GCCS-A v4.3 (COE v1)	Integration & Test																											
GCCS-A Bridge Effort Software Development GCCS-A v4.3 (COE v2)					COE v2																							
Integration & Test GCCS-A v4.3 (COE v2)									Integration & Test																			
(1) Software Materiel Release GCCS-A v4.3 (COE v2)													GCCS-A 4.3 SMR															
Software Fielding and IA GCCS-A v4.3 (COE v2) (Procurement Funded)																	Software Fielding 4.3											
DRRS-A Modernization Effort					DRRS-A Modernization																							

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army			Date: February 2015
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303150A / <i>WWMCCS/Global Command and Control System</i>	Project (Number/Name) <i>C86 / Army Global C2 System</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Software Fielding and IA 4.2b (Procurement Funded)	4	2014	4	2015
GCCS-A Bridge Effort Software Development GCCS-A v4.3 (COE v1)	1	2012	4	2014
Integration & Test GCCS-A v4.3 (COE v1)	1	2013	4	2014
GCCS-A Bridge Effort Software Development GCCS-A v4.3 (COE v2)	4	2014	3	2015
Integration & Test GCCS-A v4.3 (COE v2)	4	2015	3	2016
Software Materiel Release GCCS-A v4.3 (COE v2)	2	2017	2	2017
Software Fielding and IA GCCS-A v4.3 (COE v2) (Procurement Funded)	4	2017	2	2019
DRRS-A Modernization Effort	1	2014	4	2016

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Army										Date: February 2015		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System				Project (Number/Name) EA5 / Strategic and Joint Mission Command			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
EA5: Strategic and Joint Mission Command	-	-	-	-	-	-	9.293	7.802	7.934	5.653	-	30.682
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Army Joint and Coalition Services – Command and Control (AJCS-C2) or "Ajax" is modernization development effort for the Army's joint and strategic C2 capabilities. AJCS-C2 provides the materiel solution in response to the Army Mission Command for Unified Action (AMCUA) Capability Definition Package. AJCS-C2 enables Army operational headquarters to integrate with the Joint Force Commands and Unified Action Partners (UAP). AJCS-C2 provides Army leaders: Joint Common Operating Picture (COP); Adaptive planning and execution capabilities for distributed, synchronous and asynchronous collaboration services to develop, revise, and execute their warfighting plans supported by theaterwide analytics; Strategic SA to coalition operations and other mission partners and Coordination and synchronization of Joint Execution Mission Management.

B. Accomplishments/Planned Programs (\$ in Millions)

N/A

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Army												Date: February 2015			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System						Project (Number/Name) EA5 / Strategic and Joint Mission Command			
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Strategic and Joint Misson Command Development	C/CPFF	APG, MD : APG, MD	0.000	-		-		-		-		-	30.682	30.682	-
Subtotal			0.000	-		-		-		-		-	30.682	30.682	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	-		-		-		-		-	30.682	30.682	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Army																Date: February 2015																			
Appropriation/Budget Activity 2040 / 7								R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System								Project (Number/Name) EA5 / Strategic and Joint Mission Command																			
Event Name								FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
								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
Strategic and Joint Mission Command Development																				Strategic and Joint Mission Command Development															

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army		Date: February 2015
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303150A / WWMCCS/Global Command and Control System	Project (Number/Name) EA5 / Strategic and Joint Mission Command

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Strategic and Joint Mission Command Development	1	2017	4	2021