Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army											Date: March 2014	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 7: *Operational Systems Development*					R-1 Program Element (Number/Name) PE 0305208A / *Distributed Common Ground/Surface Systems*							
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	-	38.673	27.607	20.155	-	20.155	25.710	25.965	26.409	30.717	Continuing	Continuing
956: *Distributed Common Ground System (MIP)*	-	38.673	27.607	9.270	-	9.270	0.423	-	-	-	Continuing	Continuing
D07: *DCGS-A Common Modules (MIP)*	-	-	-	10.885	-	10.885	25.287	25.965	26.409	30.717	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) System of Systems (SoS) for Joint, Interagency, Allied, Coalition, and National data analysis, sharing and collaboration. The core functions of DCGS-A are: the vertical and horizontal synchronization of ISR Processing, Exploitation and Dissemination (PED) efforts; operations in a networked environment at multiple security levels; the control of select Army and joint sensor systems; the fusion of all acquired data and information, and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information; and providing the Warfighters' early warning and targeting capability. DCGS-A provides a single integrated ISR ground processing system composed of common components that are interoperable with sensors, other information sources, all Warfighting Functions, and the Defense Information & Intelligence Enterprise (DI2E) and Intelligence Community Information Technology Enterprise (ICITE). DCGS-A is fielded in Fixed and Mobile configurations emphasizing the use of reach and split based operations by improving accessibility of data in order to reduce forward deployed footprint. As enhanced capabilities are developed and tested, a continuing series of software releases will be integrated into Army Common/commodity hardware and fielded to units IAW the Army Force Generation (ARFORGEN) process.

The Army Acquisition Executive designated to PEO IEW&S and DCGS-A as the Command Post Computing Environment (CPCE) Lead. As such, DCGS-A is defining the architecture to fit within the Common Operating Environment (COE) as described by the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) (ASA(ALT)) COE Implementation Plan. This is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision leveraging intelligence community investments.

DCGS-A consolidates, enhances, and modernizes the Tasking, Processing, Exploitation, and Dissemination (TPED) capabilities formerly found in nine Army intelligence programs of record (Common Ground Station (CGS), Guardrail Common Sensor (GRCS), Counterintelligence & Interrogator Operations Workstation (CI&I OPS WS), All Source Analysis System (ASAS), Enhanced TracWolf (ETW), Digital Topographic Support System (DTSS), Integrated Meteorological System (IMETS), Tactical Exploitation System (TES), and Prophet Control) and two Quick Reaction Capabilities (Joint Intelligence Operations Center – Iraq (JIOC-I) and Imagery Work Station(IWS)). DCGS-A provides these technologically advanced PED capabilities in tailored and scalable mobile and fixed configurations in all maneuver and maneuver support units from Company Intelligence Support Team to Army Service Component Command, and in select maneuver sustainment units battalion and above. The program develops software packages to be embedded in mission command and other select systems to provide required ISR/analytic capabilities. DCGS-A is a critical Army priority.

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 0305208A *I Distributed Common Ground/Surface Systems*

DCGS-A software is tailored by echelon and scalable to each unit's mission. DCGS-A provides commanders and staffs the ability to maintain an accurate and up to date understanding of the operational environment. The DCGS-A contribution to commanders' visualization and situational awareness, rapid planning, and the synchronization of all warfighting functions, enable Army units to operate within the enemy's decision cycle. This capability enhances tactical and operational maneuver and the conduct of full spectrum operations across the range of military operations from humanitarian to major combat operations.

The DCGS-A configurations range from laptops to systems integrated in tactical shelters and mounted on tactical vehicles to large commodity servers operating in a sanctuary based processing environment. The fundamental intent and tenet of this approach is to reduce forward deployed equipment/footprint by co-locating the advanced analytics capabilities within the DCGS-A baseline with the regional data centers, where the data is stored. This infrastructure consolidation simultaneously reduces processor and communications requirements in tactical units by limiting the number of large data files transported across tactical communications systems. Following a successful operational assessment and Milestone C in 2QFY12/Full Deployment Decision in 1QFY13, the program is deploying DCGS-A Increment 1 Release 1 Software Baseline capability throughout the Army.

FY15 Base funding in the amount of $9.270 million for 956, will be used for the continued development and testing of the DCGS-A Increment 1 Software Releases as well as the continued development and testing of the of the Command Post Computing Environment (CPCE) as it fits into the Army's overarching Common Operating Environment (COE) construct. The COE has been directed by the ASA(ALT) and concurred by the Army G3/5/7 as a priority effort to align all Army networks, procurements, and enhancements under one COE vision. Funds used for efforts associated with the development of the CPCE/COE will include the continued merger/ collapse of capabilities across multiple Battlefield Functional Areas (BFAs) and the consolidation of hardware used across the BFAs. Funds used for efforts associated with the development of the software will include continued advancements in the Standard Sharable Geospatial Foundation to support the Tactical Common Operating Picture, as well as further investment into capabilities and widget development supporting All Source Intelligence, Signals Intelligence (SIGINT), Geospatial Intelligence (GEOINT), and emerging architectural and infrastructure enhancements. Furthermore, the program will update the commercial technologies to the latest version(s) to enable industry developed enhanced features. Testing activities requiring these funds will include Developmental Testing (DT) and Operational Testing (OT) for Release 3; Participation in Network Integration Evaluation and Exercises such as: Empire Challenge, ULCHI Freedom Guardian, and Joint Interoperability Certification test(s) for each software release. The result of these activities all serve to prove out the capabilities in Increment 1 Release 3 and COE Version 3 (COE V3).

FY15 Base funding in the amount of $10.885 million for D07, will continue the iterative DCGS-A software releases that will increase the Processing, Exploitation, and Dissemination capability our Army requires. Increment 2 of the DCGS-A program will continue critical updates to the All Source Intelligence and the overarching Intelligence Processing capability to the Army through the Cloud Computing capability. This approach will achieve Information Technology efficiencies through alignment with the Intelligence Community Information Technology Environment, while maintaining the incremental software updates required to remain current.

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army					Date: March 2014
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 7: *Operational Systems Development*		R-1 Program Element (Number/Name) PE 0305208A / *Distributed Common Ground/Surface Systems*			
B. Program Change Summary ($ in Millions)	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO**	**FY 2015 Total**
Previous President's Budget	40.876	27.622	29.924	-	29.924
Current President's Budget	38.673	27.607	20.155	-	20.155
Total Adjustments	-2.203	-0.015	-9.769	-	-9.769
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-2.203	-0.015	-9.769	-	-9.769

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 0305208A / *Distributed Common Ground/Surface Systems*				Project (Number/Name) 956 / *Distributed Common Ground System (MIP)*			
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**
956: *Distributed Common Ground System (MIP)*	-	38.673	27.607	9.270	-	9.270	0.423	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Note

Beginning in FY15, a portion of the Project 956 (Increment 1) funding was shifted to Project D07 (Increment 2) in order to clearly delineate between DCGS-A Increment 1 and Increment 2 development efforts. DCGS-A development efforts continue on project line (D07) within the same program element.

A. Mission Description and Budget Item Justification

Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) System of Systems (SoS) for Joint, Interagency, Allied, Coalition, and National data analysis, sharing and collaboration. The core functions of DCGS-A are: the vertical and horizontal synchronization of ISR Processing, Exploitation and Dissemination (PED) efforts; operations in a networked environment at multiple security levels; the control of select Army and joint sensor systems; the fusion of all acquired data and information, and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information; and providing the Warfighters' early warning and targeting capability. DCGS-A provides a single integrated ISR ground processing system composed of common components that are interoperable with sensors, other information sources, all Warfighting Functions, and the Defense Information & Intelligence Enterprise (DI2E) and Intelligence Community Information Technology Enterprise (ICITE). DCGS-A is fielded in Fixed and Mobile configurations emphasizing the use of reach and split based operations by improving accessibility of data in order to reduce forward deployed footprint. As enhanced capabilities are developed and tested, a continuing series of software releases will be integrated into Army Common/commodity hardware and fielded to units IAW the Army Force Generation (ARFORGEN) process.

The Army Acquisition Executive designated to PEO IEW&S and DCGS-A as the Command Post Computing Environment (CPCE) Lead. As such, DCGS-A is defining the architecture to fit within the Common Operating Environment (COE) as described by the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) (ASA(ALT)) COE Implementation Plan. This is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision leveraging intelligence community investments.

DCGS-A consolidates, enhances, and modernizes the Tasking, Processing, Exploitation, and Dissemination (TPED) capabilities formerly found in nine Army intelligence programs of records (Common Ground Station (CGS), Guardrail Common Sensor (GRCS), Counterintelligence & Interrogator Operations Workstation (CI&I OPS WS), All Source Analysis System (ASAS), Enhanced TracWolf (ETW), Digital Topographic Support System (DTSS), Integrated Meteorological System (IMETS), Tactical Exploitation System (TES), and Prophet Control) and two Quick Reaction Capabilities (Joint Intelligence Operations Center – Iraq (JIOC-I) and Imagery Work Station(IWS)). DCGS-A provides these technologically advanced PED capabilities in tailored and scalable mobile and fixed configurations in all maneuver and maneuver support units from Company Intelligence Support Team to Army Service Component Command, and in select maneuver sustainment units battalion and

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 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

above. The program also develops software packages to be embedded in mission command and other select systems to provide required ISR/analytic capabilities. DCGS-A is a critical Army priority.

DCGS-A software is tailored by echelon and scalable to each unit's mission. DCGS-A provides commanders and staffs the ability to maintain an accurate and up to date understanding of the operational environment. The DCGS-A contribution to commanders' visualization and situational awareness, rapid planning, and the synchronization of all warfighting functions, enable Army units to operate within the enemy's decision cycle. This capability enhances tactical and operational maneuver and the conduct of full spectrum operations across the range of military operations from humanitarian to major combat operations.

The DCGS-A configurations range from laptops to systems integrated in tactical shelters and mounted on tactical vehicles to large commodity servers operating in a sanctuary based processing environment. The fundamental intent and tenet of this approach is to reduce forward deployed equipment/footprint by co-locating the advanced analytics capabilities within the DCGS-A baseline with the regional data centers, where the data is stored. This infrastructure consolidation simultaneously reduces processor and communications requirements in tactical units by limiting the number of large data files transported across tactical communications systems. Following a successful operational assessment and Milestone C in 2QFY12/Full Deployment Decision in 1QFY13, the program is deploying DCGS-A Increment 1 Release 1 Software Baseline capability throughout the Army.

FY15 Base funding in the amount of $9.270 million will be used for the continued development and testing of the DCGS-A Increment 1 Software Releases as well as the continued development and testing of the of the Command Post Computing Environment (CPCE) as it fits into the Army's overarching Common Operating Environment (COE) construct. The COE has been directed by the ASA(ALT) and concurred by the Army G3/5/7 as a priority effort to align all Army networks, procurements, and enhancements under one COE vision. Funds used for efforts associated with the development of the CPCE/COE will include the continued merger/collapse of capabilities across multiple Battlefield Functional Areas (BFAs) and the consolidation of hardware used across the BFAs. Funds used for efforts associated with the development of the software will include continued advancements in the Standard Sharable Geospatial Foundation to support the Tactical Common Operating Picture, as well as further investment into capabilities and widget development supporting All Source Intelligence, Signals Intelligence (SIGINT), Geospatial Intelligence (GEOINT), and emerging architectural and infrastructure enhancements. Furthermore, the program will update the commercial technologies to the latest version(s) to enable industry developed enhanced features. Testing activities requiring these funds will include Developmental Testing (DT) and Operational Testing (OT) for Release 3; Participation in Network Integration Evaluation and Exercises such as: Empire Challenge, ULCHI Freedom Guardian, and Joint Interoperability Certification test(s) for each software release. The result of these activities all serve to prove out the capabilities in Increment 1 Release 3 and COE Version 3 (COE V3).

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Design and Development of DCGS-A enterprise level net-centric architecture	24.509	13.964	-
Articles:	-	-	-
Description: Continue design and development of DCGS-A enterprise level net-centric architecture to include: Development & Integration of DCGS-A Software; DT/OT, Mobile Basic Contract Deliverables, and Program Management support costs. Global Unified Data Environment (Cloud) - development - to create direct Data Ingest of varying intelligence data types and development of analytical tools to exploit single -INT data, further enhancing Cloud Enterprise Account Management load distribution of			

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 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
enterprise level complex searches. Development of Cloud to Cloud Data Synchronization technologies and enhanced data management applications between Cloud and Edge nodes. ***FY 2013 Accomplishments:*** Continue design and development of DCGS-A enterprise level net-centric architecture to include: Development & Integration of DCGS-A Software; DT/OT and Program Management support costs. Global Unified Data Environment (Cloud) - development - to create direct Data Ingest of varying intelligence data types and development of analytical tools to exploit single -INT data, further enhancing Cloud Enterprise Account Management load distribution of enterprise level complex searches. Development of Cloud to Cloud Data Synchronization technologies and enhanced data management applications between Cloud and Edge nodes. ***FY 2014 Plans:*** Continue design and development of DCGS-A enterprise level net-centric architecture to include: Development & Integration of DCGS-A Software; DT/OT and Program Management support costs. Global Unified Data Environment (Cloud) - development - to create direct Data Ingest of varying intelligence data types and development of analytical tools to exploit single -INT data, further enhancing Cloud Enterprise Account Management load distribution of enterprise level complex searches.			
Title: Matrix Support including SIL S/W Support ***Articles:*** ***Description:*** Matrix Support including SIL S/W Support ***FY 2013 Accomplishments:*** Matrix Support including SIL S/W Support ***FY 2014 Plans:*** Matrix Support including SIL S/W Support ***FY 2015 Plans:*** Matrix Support including SIL S/W Support	4.554 -	4.082 -	1.356 -
Title: Army and Joint Testing/Development/Operational Test Support ***Articles:*** ***Description:*** Ongoing Army and Joint interoperability testing and evaluation to include Operational Assessment (Network Integration Evaluation (NIE) Operational Assessment), JITC, and Operational Test ***FY 2013 Accomplishments:***	6.507 -	8.520 -	7.021 -

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 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Ongoing Army and Joint interoperability testing and evaluation to include Operational Assessment (NIE Operational Assessment), JITC, and Operational Test ***FY 2014 Plans:*** Ongoing Army and Joint interoperability testing and evaluation to include Operational Assessment (NIE Operational Assessment), JITC, and Operational Test ***FY 2015 Plans:*** Ongoing Army and Joint interoperability testing and evaluation to include Operational Assessment (NIE Operational Assessment), JITC, and Operational Test			
Title: Support Costs and Management Services	3.103	1.041	0.893
Articles:	-	-	-
Description: Funding is provided for the following effort/Project Management Support ***FY 2013 Accomplishments:*** Provide matrix support and PMO efforts ***FY 2014 Plans:*** Provide matrix support and PMO efforts ***FY 2015 Plans:*** Provide matrix support and PMO efforts			
Accomplishments/Planned Programs Subtotals	38.673	27.607	9.270

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
• DCGS-A (MIP) Procurement: *BZ7316 - Procurement*	274.119	118.090	128.207	-	128.207	284.696	259.717	286.822	322.675	Continuing	Continuing
• DCGS-A Increment 2 RDTE: *0305208A / D07*	-	-	10.885	-	10.885	25.287	25.965	26.409	30.717	Continuing	Continuing

Remarks

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 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

D. Acquisition Strategy

The Distributed Common Ground System-Army (DCGS-A) program was created in response to the Department of Defense (DoD) Distributed Common Ground/Surface System (DCGS) Mission Area Initial Capabilities Document (MA ICD) dated 13 Aug 2004, which captured the overarching requirements for an Intelligence, Surveillance, and Reconnaissance (ISR) Family of Systems (FoS) that will contribute to Joint and combined Warfighter needs. That ICD was updated as the Distributed Common Ground/Surface System (DCG/SS) Enterprise ICD, and approved by the Joint Requirements Oversight Council (JROC) 27 Feb 2009. The Army requirements were refined in the DCGS-A Capabilities Development Document (CDD), and approved by the JROC 31 Oct 2005. The DCGS-A program is currently in the Production and Deployment phase and was designated as a Major Automated Information System (MAIS) in OSD (AT&L) Memorandum, 29 Mar 2010.

DCGS-A is following an evolutionary acquisition approach to develop and field system capabilities over time to satisfy the requirements of the DCGS-A Capability Development Document (CDD). Following this approach, the first increment was defined and a Capability Production Document (CPD) was created with full consideration of all of the preceding supporting documents and analysis. As part of its initial staffing, a Cost Benefit Analysis was completed in support of the DCGS-A CPD. This analysis projected a significant cost avoidance/savings over the life cycle by not limiting the hardware configuration to a one size fits all unit types design but rather integrating the DCGS-A Software capabilities into common servers and other IT components fielded at that echelon. This approach was validated during the Milestone C and Full Deployment Decision process in FY2012 through the Office of the Secretary of Defense (OSD) Cost Assessment and Program Evaluation (CAPE) approval of the Economic Analysis. This Economic Analysis validated the cost savings achieved utilizing the acquisition approach outlined above.

The DCGS-A System Engineering Plan (SEP) updated the current development plan and was approved by OASD (R&E) on 5 Dec 2011. The DCGS-A Revised Acquisition Strategy (AS) was approved by the Defense Acquisition Executive (DAE) on 8 Aug 2013. The DCGS-A Acquisition Program Baseline was approved on 26 Feb 2013. The DCGS-A program received a Milestone C decision on 29 Feb 2012 and an operational test was completed in Jun 2012. A successful Full Deployment Decision (FDD) for Release 1 Initial Minimum Capability was obtained December 2012.

PM DCGS-A has been designated as the Command Post Computing Environment (CPCE) Lead for PEO IEW&S. As such, DCGS-A is currently aligning it's architecture to fit within the Common Operating Environment (COE) as described by the ASA(ALT) COE Implementation Plan. This alignment is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision. Our acquisition strategy supports this initiative as we continue to collapse PORs and reduce footprint following our capability migration path and iterative development of software releases which continue to increase capabilities to satisfy the remaining CPD requirements beyond Initial Minimal Capability. As DCGS-A continues the path through Increment 1 and beyond, each release will focus on the COE and continually align the Command Post activities with DCGS-A Cloud and POR migration activities. The program office expects to continue as the DCGS-A System Integrator for software development and hardware integration, and will continue to access multiple vendors by leveraging a variety of competitively awarded contracts.

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 0305208A / *Distributed Common Ground/Surface Systems*	Project (Number/Name) 956 / *Distributed Common Ground System (MIP)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management	Various	PM, DCGS-A : APG, MD	24.738	3.103	Sep 2013	1.041		0.893	Sep 2015	-		0.893	Continuing	Continuing	Continuing
		Subtotal	24.738	3.103		1.041		0.893		-		0.893	-	-	-

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Metadata Catalog	Various	MITRE, : various	17.865	-		-		-		-		-	Continuing	Continuing	Continuing
Design & Develop DCGS-A Architecture	Various	Northrup Grumman, Various : Linthicum, MD, Various	223.368	24.509	Sep 2013	-		-		-		-	-	247.877	-
Design & Develop DCGS-A Incr 1 Software	Various	TBD, Various : TBD	0.000	-		13.964		-		-		-	Continuing	Continuing	-
Secure Common Data Link (SCDL)	Various	CUBIC : Orlando, Fla.	0.788	-		-		-		-		-	Continuing	Continuing	-
Global Unified Data Environment (Cloud) Development	Various	CERDEC/SEC : APG, MD	21.500	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	263.521	24.509		13.964		-		-		-	-	-	-

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Matrix Support Government Test & Integration Lab	Various	CECOM : CECOM	14.180	4.554	Sep 2013	4.082		1.356	Dec 2014	-		1.356	Continuing	Continuing	Continuing
		Subtotal	14.180	4.554		4.082		1.356		-		1.356	-	-	-

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 0305208A / *Distributed Common Ground/Surface Systems*	Project (Number/Name) 956 / *Distributed Common Ground System (MIP)*	

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Operational Test Support for DCGS-A Rel 2 and Rel 3 OT Prep	Various	ATEC, OTC, Various : APG, MD, EPG, Various	2.738	6.507	Mar 2013	6.904	Mar 2014	-		-		-	Continuing	Continuing	Continuing
Operational Test Support for DCGS-A Rel 3	C/TBD	TBD : TBD	0.000	-		-		4.894	Mar 2015	-		4.894	-	4.894	-
Developmental Testing for Release 3	Various	I2WD, Various : APG, MD, Various	0.000	-		-		2.127	Feb 2015	-		2.127	-	2.127	-
NIE for Rel 2 and CPCE COE V2	Various	NIE : Ft. Bliss	10.287	-		0.800	Mar 2014	-		-		-	Continuing	Continuing	Continuing
Operational Assessments/ Joint Demo for Inc 1 and CPCE	Various	Empire Challenge, ULCHI Freedom Guardia, Unified Vision : AZ, KO, EU	1.800	-		0.300		-		-		-	-	2.100	-
Certification Test	Various	JITC/CTSF : ATEC	1.100	-		0.516	Mar 2014	-		-		-	-	1.616	-
		Subtotal	15.925	6.507		8.520		7.021		-		7.021	-	-	-

	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	318.364	38.673		27.607		9.270		-		9.270	-	-	-

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 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

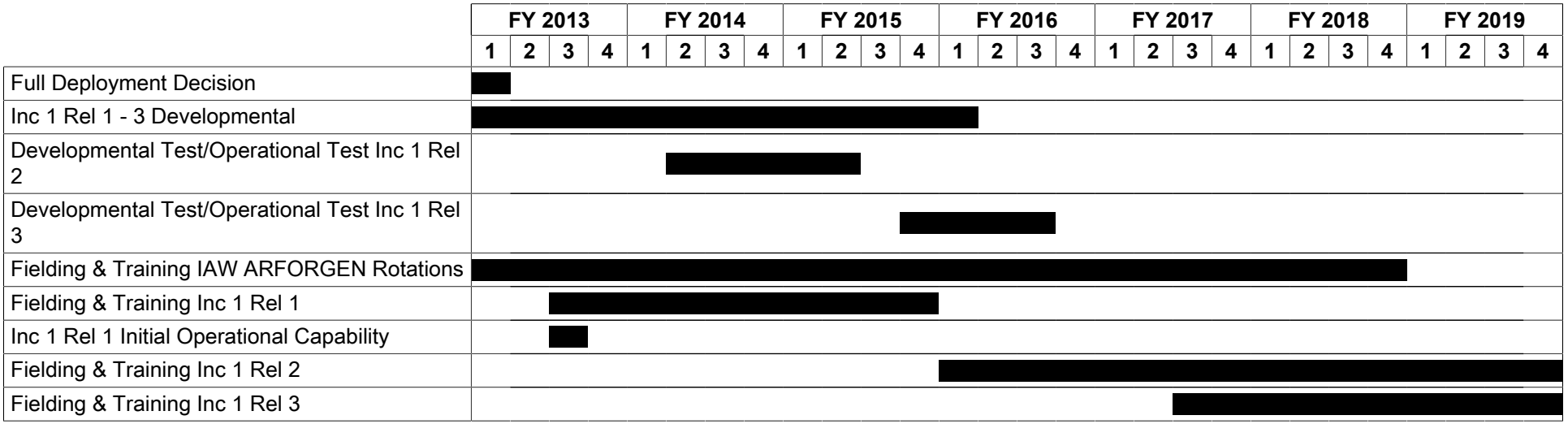

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 7	**R-1 Program Element (Number/Name)** PE 0305208A / *Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 956 / *Distributed Common Ground System (MIP)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Full Deployment Decision	1	2013	1	2013
Inc 1 Rel 1 - 3 Developmental	1	2012	1	2016
Developmental Test/Operational Test Inc 1 Rel 2	2	2014	2	2015
Developmental Test/Operational Test Inc 1 Rel 3	4	2015	3	2016
Fielding & Training IAW ARFORGEN Rotations	1	2011	4	2018
Fielding & Training Inc 1 Rel 1	3	2013	4	2015
Inc 1 Rel 1 Initial Operational Capability	3	2013	3	2013
Fielding & Training Inc 1 Rel 2	1	2016	4	2019
Fielding & Training Inc 1 Rel 3	3	2017	4	2019

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 0305208A / *Distributed Common Ground/Surface Systems*				Project (Number/Name) D07 / *DCGS-A Common Modules (MIP)*			
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**
D07: *DCGS-A Common Modules (MIP)*	-	-	-	10.885	-	10.885	25.287	25.965	26.409	30.717	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

Note

Project D07 (Increment 2) was created to clearly delineate between the DCGS-A Project 956 (Increment 1) development efforts beginning in FY15. D07 does not represent a New Start program; the funding in D07 has previously been included in Project 956 within the same Program Element..

A. Mission Description and Budget Item Justification

Distributed Common Ground System - Army (DCGS-A) is the Intelligence, Surveillance and Reconnaissance (ISR) System of Systems (SoS) for Joint, Interagency, Allied, Coalition, and National data analysis, sharing and collaboration. The core functions of DCGS-A are: the vertical and horizontal synchronization of ISR Processing, Exploitation and Dissemination (PED) efforts; operations in a networked environment at multiple security levels; the control of select Army and joint sensor systems; the fusion of all acquired data and information, and distribution of relevant red (threat), gray (non-aligned), and environmental (weather and terrain) information; and providing the Warfighters' early warning and targeting capability. DCGS-A provides a single integrated ISR ground processing system composed of common components that are interoperable with sensors, other information sources, all Warfighting Functions, compliant with standards providing the Defense Information & Intelligence Enterprise (DI2E) and Intelligence Community Information Technology Enterprise (ICITE). DCGS-A is fielded in Fixed and Mobile configurations emphasizing the use of reach and split based operations by improving accessibility of data in order to reduce forward deployed footprint. As enhanced capabilities are developed and tested, a continuing series of software releases will be integrated into Army Common/commodity hardware and fielded to units IAW the Army Force Generation (ARFORGEN) process.

The Army Acquisition Executive designated to PEO IEW&S and DCGS-A as the Command Post Computing Environment (CPCE) Lead. As such, DCGS-A is defining the architecture to fit within the Common Operating Environment (COE) as described by the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) (ASA(ALT)) COE Implementation Plan. This is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision leveraging intelligence community investments.

The DCGS-A acquisition strategy incrementally consolidates, enhances, and modernizes the Tasking, Processing, Exploitation, and Dissemination (TPED) capabilities formerly found in nine Army intelligence programs of record (Common Ground Station (CGS), Guardrail Common Sensor (GRCS), Counterintelligence & Interrogator Operations Workstation (CI&I OPS WS), All Source Analysis System (ASAS), Enhanced TracWolf (ETW), Digital Topographic Support System (DTSS), Integrated Meteorological System (IMETS), Tactical Exploitation System (TES), and Prophet Control) and two Quick Reaction Capabilities (Joint Intelligence Operations Center – Iraq (JIOC-I) and Imagery Work Station(IWS)). DCGS-A provides these technologically advanced PED capabilities through iterative software releases delivered in tailored and scalable mobile and fixed configurations in all maneuver and maneuver support units from Company Intelligence Support Team to Army Service Component

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Command, and in select maneuver sustainment units battalion and above. The program develops software packages to be embedded in mission command and other select systems to provide required ISR/analytic capabilities. DCGS-A is a critical Army priority.

FY15 Base funding in the amount of $10.885 million will continue the iterative DCGS-A software releases that will increase the Processing, Exploitation, and Dissemination capability our Army requires. Increment 2 of the DCGS-A program will continue critical updates to the All Source Intelligence and the overarching Intelligence Processing capability to the Army through the Cloud Computing capability. This approach will achieve Information Technology efficiencies through alignment with the Intelligence Community Information Technology Environment, while maintaining the incremental software updates required to remain current.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Title: Design & Develop DCGS-A Inc 2 Software ***Description:*** Design & Develop DCGS-A Inc 2 software to deliver capabilities in accordance with the DCGS-A Capability Description Document. ***FY 2015 Plans:*** Design & Develop DCGS-A Inc 2 software to deliver capabilities in accordance with the DCGS-A Capability Description Document.	-	-	1.836
Title: System reconfiguration/redesign ***Description:*** System Reconfiguration to enhance the systems to deliver higher performance to leverage industry enhancements in Cloud Technology and Solid State hardware. ***FY 2015 Plans:*** System Reconfiguration to enhance the systems to deliver higher performance to leverage industry enhancements in Cloud Technology and Solid State hardware.	-	-	3.020
Title: Matrix Support Government Test & Integration Lab ***Description:*** Matrix Support Government Test & Integration Lab support for software integration to the target platforms. ***FY 2015 Plans:*** Matrix Support Government Test & Integration Lab support for software integration to the target platforms.	-	-	1.657
Title: Project Management ***Description:*** Project Management support to manage the cost, schedule, and performance metrics for the program. ***FY 2015 Plans:***	-	-	1.054

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2013	FY 2014	FY 2015
Project Management support to manage the cost, schedule, and performance metrics for the program.			
Title: Milestone preparation; Activities; AoA ***Description:*** Milestone preparation; Activities; Development of the Analysis of Alternatives to define the acquisition approach and achieve a successful Milestone B for the Increment 2 program. ***FY 2015 Plans:*** Milestone preparation; Activities; Development of the Analysis of Alternatives to define the acquisition approach and achieve a successful Milestone B for the Increment 2 program.	-	-	3.318
Accomplishments/Planned Programs Subtotals	-	-	10.885

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
• 956: *DCGS-A (MIP) 0305208A/956*	38.673	27.607	9.270	-	9.270	0.423	-	-	-	Continuing	Continuing
• BZ7316 - DCGS-A Procurement: *BZ7316 - Procurement*	274.119	118.090	128.207	-	128.207	284.696	259.717	286.822	322.675	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Distributed Common Ground System-Army (DCGS-A) program was created in response to the Department of Defense (DoD) Distributed Common Ground/Surface System (DCGS) Mission Area Initial Capabilities Document (MA ICD) dated 13 Aug 2004, which captured the overarching requirements for an Intelligence, Surveillance, and Reconnaissance (ISR) Family of Systems (FoS) that will contribute to Joint and combined Warfighter needs. That ICD was updated as the Distributed Common Ground/Surface System (DCG/SS) Enterprise ICD, and approved by the Joint Requirements Oversight Council (JROC) 27 Feb 2009. The Army requirements were refined in the DCGS-A Capabilities Development Document (CDD), and approved by the JROC 31 Oct 2005. The DCGS-A program is currently in the Production and Deployment phase and was designated as a Major Automated Information System (MAIS) in OSD (AT&L) Memorandum, 29 Mar 2010. The Information Systems Capability Development Document (ISCDD), currently in staffing, is an update to the 2005 CDD.

DCGS-A is following an evolutionary acquisition approach to develop and field system capabilities over time to satisfy the requirements of the DCGS-A Capability Development Document (CDD). Following this approach, the first increment was defined and a Capability Production Document (CPD) was created with full consideration of all of the preceding supporting documents and analysis. As part of its initial staffing, a Cost Benefit Analysis was completed in support of the DCGS-A CPD. This analysis projected a significant cost avoidance/savings over the life cycle by not limiting the hardware configuration to a one size fits all unit types design but rather integrating the DCGS-A Software capabilities into common servers and other IT components fielded at that echelon. This approach was validated during the

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Milestone C and Full Deployment Decision process in FY2012 through the Office of the Secretary of Defense (OSD) Cost Assessment and Program Evaluation (CAPE) approval of the Economic Analysis. This Economic Analysis validated the cost savings achieved utilizing the acquisition approach outlined above.

The DCGS-A Increment 2 Acquisition Strategy will be a competitive contract to a single vendor for managing the development, integration, documentation, and test for the Increment 2 Releases. Anticipate RFP release in 3QFY15 and contract award in 2QFY16.

PM DCGS-A has been designated as the Command Post Computing Environment (CPCE) Lead for PEO IEW&S. As such, DCGS-A is currently aligning its architecture to fit within the Common Operating Environment (COE) as described by the ASA(ALT) COE Implementation Plan. This alignment is in accordance with the G-3/5/7 priority to align all Army networks, procurements, and enhancements under one COE and one vision. Our acquisition strategy supports this initiative as we continue to collapse PORs and reduce footprint following our capability migration path and iterative development of software releases which continue to increase capabilities to satisfy the remaining CPD requirements beyond Initial Minimal Capability. As DCGS-A continues the path through Increment 2, each release will focus on the COE and continually align the Command Post activities with the DCGS-A platforms. The program office expects to award a competitive contract for software development and hardware integration.

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Army			Date: March 2014
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Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Management	C/TBD	TBD : TBD	0.000	-		-		1.054	Mar 2015	-		1.054	-	1.054	-
Milestone preparation; Activities; AoA	C/TBD	TBD : TBD	0.000	-		-		3.318	Mar 2015	-		3.318	-	3.318	-
		Subtotal	0.000	-		-		4.372		-		4.372	-	4.372	-

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Design & Develop DCGS-A Inc 2 software	C/TBD	TBD : TBD	0.000	-		-		1.836	Mar 2015	-		1.836	Continuing	Continuing	Continuing
System reconfiguration/ redesign	C/TBD	TBD : TBD	0.000	-		-		3.020	Mar 2015	-		3.020	-	3.020	-
		Subtotal	0.000	-		-		4.856		-		4.856	-	-	-

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2013 Cost	FY 2013 Award Date	FY 2014 Cost	FY 2014 Award Date	FY 2015 Base Cost	FY 2015 Base Award Date	FY 2015 OCO Cost	FY 2015 OCO Award Date	FY 2015 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Matrix Support Government Test & Integration Lab	C/TBD	TBD : TBD	0.000	-		-		1.657	Dec 2014	-		1.657	-	1.657	-
		Subtotal	0.000	-		-		1.657		-		1.657	-	1.657	-

	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	0.000	-		-		10.885		-		10.885	-	-	-

Remarks

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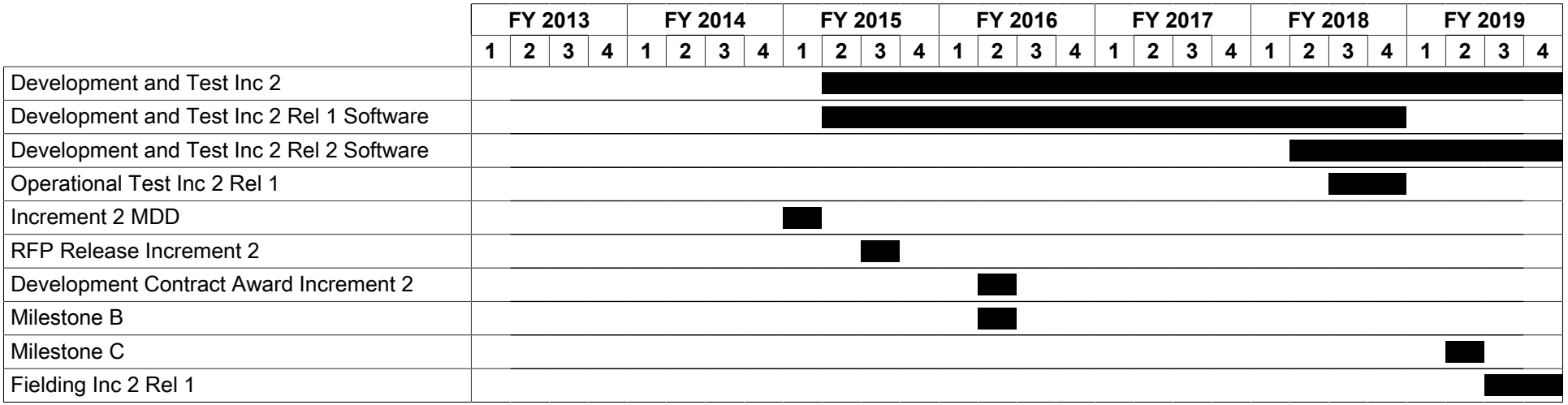

Exhibit R-4A, RDT&E Schedule Details: PB 2015 Army		Date: March 2014
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Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Development and Test Inc 2	2	2015	4	2019
Development and Test Inc 2 Rel 1 Software	2	2015	4	2018
Development and Test Inc 2 Rel 2 Software	2	2018	4	2019
Operational Test Inc 2 Rel 1	3	2018	4	2018
Increment 2 MDD	1	2015	1	2015
RFP Release Increment 2	3	2015	3	2015
Development Contract Award Increment 2	2	2016	2	2016
Milestone B	2	2016	2	2016
Milestone C	2	2019	2	2019
Fielding Inc 2 Rel 1	3	2019	4	2019