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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	26.176	64.370	68.619	-	68.619	33.630	29.372	25.288	28.575	0.000	276.030
083: Global Combat Support Sys - Army	-	1.084	0.307	1.299	-	1.299	1.309	1.317	1.341	1.225	0.000	7.882
08A: Army Enterprise System Integration Program	-	0.862	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.862
EK2: GCSS-A Increment 2	-	24.230	64.063	67.320	-	67.320	32.321	28.055	19.006	24.485	0.000	259.480
EK3: AESIP Increment 2*	-	0.000	0.000	0.000	-	0.000	0.000	0.000	4.941	2.865	0.000	7.806

\*This project's R-2a exhibit has been suppressed due to funding not beginning until after FY 2019

**Note**

Effective February 2, 2017 DoD Instruction (DoDI) 5000.75 was issued to establish policy for use of Business Capability Acquisition Cycle (BCAC) for Defense Business Systems, applying to Global Combat Support System. This DoDI supersedes DoDI 5000.02, improving the alignment of business systems to commercial best practices as well as optimizing efficiencies and effectiveness across DoD for the acquisition of business systems. Decisions rendered by the Milestone Decision Authority, as outlined in DoDI 5000.75, are referred to as "Authority To Proceed (ATPs)" and replace DoDI 5000.02 "Milestones."

**A. Mission Description and Budget Item Justification**

The Global Combat Support System-Army (GCSS-Army) program has two components: a functional component titled GCSS-Army and a technology enabler component titled Army Enterprise Systems Integration Program (AESIP). GCSS-Army coupled with AESIP are information and communications technology investments that will provide key enabling support to the transformation of the Army into a network-centric, knowledge-based future force. The GCSS-Army approved Capability Description Document (CDD) and Capability Production Document (CPD) require an enterprise approach to replace current logistics and maintenance Standard Army Management Information Systems (STAMIS). GCSS-Army will provide the Army's Sustainment Support for the soldier with a seamless flow of timely, accurate, accessible and secure information management that gives combat forces a decisive edge. AESIP will provide the system's enterprise hub services, centralized master data management and cross-functional business intelligence/analytics. GCSS-Army will implement best business practices to streamline supply, accountability, maintenance, distribution, and reporting procedures in support of the future force transition path of the Army Campaign Plan.

Building on the foundation of GCSS-Army Increment 1, Increment 2 will provide the Army Enterprise Aviation maintenance, enhanced Business Intelligence / Business Warehouse (BI/BW) and Army Pre-Positioned Stock (APS) functional capabilities to deliver greater efficiencies and to improve information flow and accuracy in real time to decision makers. Upon the completion of Increment 2, the Unit Level Logistics System-Aviation (Enhanced) (ULLS-A(E)), Unmanned Aircraft System-Initiative (UAS-I), and Army War Reserve Deployment System (AWRDS) will be eligible for retirement since the necessary functionality will have been replaced by GCSS-Army increments. GCSS-Army will provide the Army sustainment support for the warfighter with a seamless flow of timely, accurate, accessible and secure management information that gives combat forces a decisive edge.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army				Date: February 2018	
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System			
B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	28.667	64.370	74.484	-	74.484
Current President's Budget	26.176	64.370	68.619	-	68.619
Total Adjustments	-2.491	0.000	-5.865	-	-5.865
• Congressional General Reductions	-0.013	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.034	-			
• Adjustments to Budget Years	-	-	-5.865	-	-5.865
• RAA Not Appropriated	-1.444	-	-	-	-
Change Summary Explanation					
FY19 -\$5.865 adjustment to 0303141: \$6.847 reduction adjustment to Project EK2; +\$982 increase to Project 083.					

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 083 / Global Combat Support Sys - Army			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
083: Global Combat Support Sys - Army	-	1.084	0.307	1.299	-	1.299	1.309	1.317	1.341	1.225	0.000	7.882
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
GCSS-Army is the tactical unit / installation logistics and financial system for the U.S. Army. GCSS-Army is an Enterprise Resource Planning (ERP) solution that will track supplies, spare parts and organizational equipment. It will track unit maintenance, total cost of ownership and other financial transactions related to logistics for all Army units. This modernized application will subsume outdated Standard Army Management Information Systems (STAMIS) that are not financially compliant and integrate numerous local supply and logistics databases into a single, enterprise-wide authoritative system. GCSS-Army will be financially compliant and is a key component for the Army Enterprise strategy to be financially auditable. When fully deployed, GCSS-Army will affect every supply room, motor pool, direct support repair shop, warehouse, Logistics Readiness Centers (LRCs) and property book office in the Army. GCSS-Army will modernize automated logistics by implementing best business practices to streamline supply operations, maintenance operations, property accountability, and tactical logistics and financial management and integration procedures in support of the Future Force transition path of the Army Campaign Plan. GCSS-Army is a key component of the Federated ERP Integration solution that will optimize tactical logistics and finance domain business processes into a single federated approach. Delivering GCSS-Army will eliminate the need for extensive maintenance and modification of aging, diverse software systems that are not cyber compliant, resulting in improved and efficient change control and configuration management through implementation of an enterprise system.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
Title: Government System Test and Evaluation									1.084	0.307	-	
Description: Plans, conducts and reports on developmental tests and assists in planning, conducting, and reporting of operational and interoperability tests, assessments, and experiments in order to provide essential information for the acquisition and fielding of warfighting systems.												
FY 2018 Plans: The program finishes Increment 1, Wave 2 fielding. Funding will be utilized to perform regression testing to ensure proper interfaces remain interoperable with system and technology upgrades and modifications.												
FY 2018 to FY 2019 Increase/Decrease Statement: Final testing completed, no FY19 funds.												
Title: Product Development									-	-	1.299	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Army							<b>Date:</b> February 2018		
<b>Appropriation/Budget Activity</b> 2040 / 7				<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>			<b>Project (Number/Name)</b> 083 / <i>Global Combat Support Sys - Army</i>		

  

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<p><b>Description:</b> Funds have been added to the Increment 1 RDTE line for continuous improvement. After transition to sustainment, RDT&amp;E funding would be used to execute system change requests to enhance sustainment activities, accountability, auditability, and calculations of total cost of ownership.</p> <p><b>FY 2019 Plans:</b> After transition to sustainment, RDT&amp;E funding of \$1.313 Million would be used to execute system change requests (SCRs) to enhance sustainment activities, accountability, auditability, and calculations of total cost of ownership. Implementation of SCRs enhance sustainment and effectiveness by synchronizing system data and utilizing enterprise interface tools to eliminate input errors.</p> <p><b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> FY19 RDTE funds increased for system change requests and baseline modernization.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	1.084	0.307	1.299

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u> <u>Base</u>	<u>FY 2019</u> <u>OCO</u>	<u>FY 2019</u> <u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• W00800: GCSS-Army Increment 1	131.434	30.637	7.085	-	7.085	6.944	0.068	0.024	-	Continuing	Continuing
<b>Remarks</b>											
<p><b>D. Acquisition Strategy</b></p> <p>GCSS-Army has an evolutionary acquisition strategy as defined in DoD Directive 5000.01 and DoD Instruction 5000.02 and will define, develop, and deploy an initial operational capability based upon proven technology, time-phased requirements, projected threat assessments, and demonstrated manufacturing capabilities. Increment 1 will be a viable stand alone capability.</p> <p>GCSS-Army Increment I was implemented in two waves:</p> <p>Wave 1 contains the retail supply and associated financial functions and completed fielding in Nov 2015.</p> <p>Wave 2 contains the property book and maintenance and associated financial functions. Fielding was completed in Dec 2017.</p>											
<b>E. Performance Metrics</b>											
N/A											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2019 Army</b>												<b>Date:</b> February 2018			
<b>Appropriation/Budget Activity</b> 2040 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>						<b>Project (Number/Name)</b> 083 / <i>Global Combat Support Sys - Army</i>			
<b>Management Services (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
1. PM GCSS-Army- PMO Operations	Various	PM GCSS-Army : Fort Lee, VA 23805	103.931	-		-		-		-		-	0.000	103.931	62.385
<b>Subtotal</b>			103.931	-		-		-		-		-	0.000	103.931	N/A
<b>Product Development (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
1. Enterprise Resource Planning (ERP) design and development	C/FPAF	Northrop Grumman Information Systems : Chester, VA 23836	465.845	-		-		1.299		-		1.299	0.000	467.144	453.329
Government Developer Subject Matter Experts	IA	ASA (FM&C), CASCOC and GFEB : Various Locations	22.315	-		-		-		-		-	Continuing	Continuing	19.730
<b>Subtotal</b>			488.160	-		-		1.299		-		1.299	Continuing	Continuing	N/A
<b>Remarks</b> FY19 \$1.299 Million RDTE will be used for continuing baseline modernization.															
<b>Support (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
1. PM Support - Independent Verification and Validation (IV&V)	C/T&M	CAP Gemini : 2250 Corporate Park Dr, Herndon, VA 20171	1.031	-		-		-		-		-	0.000	1.031	1.031
2. PM Support - Program Management Support Services A	C/T&M	Engility Corporation : 3750 Centerview Drive Chantilly, VA 20151	1.386	-		-		-		-		-	0.000	1.386	25.580

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Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 083 / Global Combat Support Sys - Army					
<b>Support (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
3. PM Support - Program Management Support Services B	C/T&M	Logistics Management Institute : Colonial Heights, VA 23834	42.101	-		-		-		-		-	0.000	42.101	34.531
<b>Subtotal</b>			44.518	-		-		-		-		-	0.000	44.518	N/A
<b>Test and Evaluation (\$ in Millions)</b>				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
1. Test and Evaluation - Test and Evaluation	IA	AEC, ATEC, OTC and JITC : Various Locations	38.309	1.084		0.307		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			38.309	1.084		0.307		-		-		-	Continuing	Continuing	N/A
<b>Remarks</b>															
The program finishes Increment 1, Wave 2 Fielding, fixing any major issues in the ERP solution that are identified during the fielding to make necessary updates to the software baseline to meet operational requirements. Perform regression testing to ensure partner interfaces remain interoperational with system and technology upgrades and modifications.															
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			674.918	1.084		0.307		1.299		-		1.299	Continuing	Continuing	N/A
<b>Remarks</b>															

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**Exhibit R-4, RDT&E Schedule Profile: PB 2019 Army**

**Date:** February 2018

### Appropriation/Budget Activity

2040 / 7

**R-1 Program Element (Number/Name)**

PE 0303141A / *Global Combat Support System*

Project (Number/Name)

083 / Global Combat Support Sys - Army

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Army			<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>	<b>Project (Number/Name)</b> 083 / <i>Global Combat Support Sys - Army</i>	

## Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Seg 2 Contract Award	1	2008	1	2008
Increment 1 - Acquisition Review	2	2008	2	2008
Increment 1/Segment 1 Operational Assessment	1	2008	3	2010
Increment 1/Release 1.1 DTOE	3	2010	4	2010
GCSS-Army Release 1.1 Design, Build, Test & Stabilize	1	2011	3	2011
Release 1.1 Initial Operational Test and Evaluation (IOT&E)	1	2012	1	2012
Release 1.1 Stabilization	2	2011	1	2013
Field Wave 1	1	2013	1	2016
GCSS-Army Release 1.2 (Wave 2) Plan, Analyze, Design, Build & Test	3	2011	4	2015
Field Release 1.2 (Wave 2)	1	2015	1	2018
Continuous Improvements	1	2018	4	2023



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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 08A / Army Enterprise System Integration Program			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
08A: Army Enterprise System Integration Program	-	0.862	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.862
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

Not applicable for this item.

**A. Mission Description and Budget Item Justification**

Army Enterprise Systems Integration Program (AESIP), mission is to integrate Army business processes by providing a single source for enterprise hub services, centralized master data management, and business intelligence and analytics. AESIP is the principle GCSS-Army Business Intelligence system and will aggregate data for enterprise reporting. AESIP will support the Army's federated approach and enable the integration of end-to-end logistical and financial processes. The Army has successfully addressed concerns about the lack of integration of ERPs by leveraging AESIP core capabilities and expanding those benefits across the Army enterprise. AESIP will be an Army specific commercial off-the-shelf (COTS) web portal implementation via the NetWeaver Platform from developer Systems Applications and Products (SAP) American Group to support Army process scenarios and requirements that will provide core competencies:

Enterprise Service Bus (Hub Services) - For a Service oriented, Single Point of Entry to connect, mediate, and control the exchange of data.

Enterprise Business Intelligence/Business Warehouse - Aggregates data from ERP and non-ERP systems to provide flexible Enterprise level reporting.

Enterprise Master Data Management - For a single source of authoritative data and improved workflow and business processes.

The AESIP solution establishes a framework for a fully integrated ERP centric environment that will ultimately provide Commanders Total Visibility from Factory to Battlefield thereby ensuring delivery of the right equipment to the right unit at the right time, while reducing backlogs of material on the battlefield.

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

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<b>Title:</b> Production & Full Deployment Phases Contract Activity	0.862	-	-
<b>Description:</b> Manage Government contracts associated with work relating to acquisition, engineering, planning and integration activities supporting Army Enterprise Systems Integration Program (AESIP).			
<b>Accomplishments/Planned Programs Subtotals</b>	0.862	-	-

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

<b>Line Item</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• W11001: <i>AESIP Increment 1</i>	0.405	2.697	1.238	-	1.238	5.034	3.333	2.589	-	Continuing	Continuing

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Army										<b>Date:</b> February 2018	
<b>Appropriation/Budget Activity</b> 2040 / 7				<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>				<b>Project (Number/Name)</b> 08A / <i>Army Enterprise System Integration Program</i>			
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
			<u>FY 2019</u>	<u>FY 2019</u>	<u>FY 2019</u>					<u>Cost To</u>	
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Base</u>	<u>OCO</u>	<u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Complete</u>	<u>Total Cost</u>
<b>Remarks</b>											
<b>D. Acquisition Strategy</b>											
As the technical component of GCSS-Army, AESIP employs an evolutionary acquisition strategy as defined in DoD Directive 5000.01 and DoD Instruction 5000.02, and will define, develop, and deploy an initial operational capability based upon proven technology, time-phased requirements, projected threat assessments, and demonstrated manufacturing capabilities. The system will be developed in multiple releases then integrated and synchronized with related systems.											
<b>E. Performance Metrics</b>											
N/A											

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2019 Army</b>												<b>Date: February 2018</b>			
<b>Appropriation/Budget Activity</b> 2040 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>						<b>Project (Number/Name)</b> 08A / <i>Army Enterprise System Integration Program</i>			
<b>Management Services (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
1. PM AESIP- PMO Operations	Various	PM AESIP : 5911 Kingstowne Village Pkwy, Alexandria, VA 22315	26.090	-		-		-		-		-	0.000	26.090	26.090
<b>Subtotal</b>			26.090	-		-		-		-		-	0.000	26.090	N/A
<b>Product Development (\$ in Millions)</b>				<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
1. Enterprise Resource Planning (ERP) Implementation Systems Integration	C/T&M	Computer Sciences Corporation (CSC) : 3160 Fairview Park Drive, Falls Church, VA 22042	118.445	-		-		-		-		-	0.000	118.445	118.445
2. Enterprise Resource Planning (ERP) Implementation - Technical Support Services	FFRDC	MITRE Corporation : 7615 Colshire Drive, McLean, VA 22102	7.179	-		-		-		-		-	0.000	7.179	7.179
3. Enterprise Resource Planning (ERP) - Government Lead Systems Integrator	IA	US Army ARDEC : Picatinny Arsenal, NJ 08706	49.500	-		-		-		-		-	Continuing	Continuing	Continuing
4. Enterprise Resource Planning (ERP) - Technical Support Services	C/T&M	Systems Applications and Services (SAP) : 1300 Pennsylvania Ave, Washington, DC 20004	16.205	-		-		-		-		-	Continuing	Continuing	Continuing
5. Enterprise Resource Planning (ERP) - ERP/ SAP Technical and Management Support Services	C/T&M	iLuMina Solution Inc. : 23330 Cottonwood, California, MD 20619	5.313	-		-		-		-		-	0.000	5.313	5.313

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Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 08A / Army Enterprise System Integration Program					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
6. Enterprise Resource Planning (ERP) - Enterprise Application Services A	C/T&M	Attain, LLC : 8000 Towers Crescent Dr., Vienna, VA 22182	8.931	-		-		-		-		-	Continuing	Continuing	Continuing
7. Enterprise Resource Planning (ERP) - Enterprise Application Services B	C/T&M	Insap Services Inc. : 12000 Lincoln Dr. Marlton, NJ 08053	0.020	-		-		-		-		-	Continuing	Continuing	Continuing
8. Enterprise Resource Planning (ERP) - Enterprise Application Services C	C/T&M	Oakland Consulting Group Inc : 9501 Sheridan, Lanham, MD 20706	11.897	0.862		-		-		-		-	Continuing	Continuing	Continuing
Enterprise Resource Planning (ERP) - Enterprise Application Services D	C/T&M	VARIOUS : VARIOUS	18.032	-		-		-		-		-	0.000	18.032	-
9. Enterprise Resource Planning (ERP) - Enterprise Integration Services	C/T&M	EDC Consulting LLC : 1104 Good Hope Rd SE, Washington, DC 20020	1.364	-		-		-		-		-	Continuing	Continuing	Continuing
10. Enterprise Resource Planning (ERP) - Infrastructure Services	C/T&M	TBD : TBD	0.100	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			236.986	0.862		-		-		-		-	Continuing	Continuing	N/A
Remarks															
Special FY17 Appropriations request for \$1.444M FY17 was not allocated. Funds will be used to develop Business Intelligence (BI)/Business Warehouse technology application to AESIP.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army												Date: February 2018			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) 08A / Army Enterprise System Integration Program					
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
1. PM Support - Program Management Support Services A	C/FFP	L3 Services Inc. (MPRI Division) : 1320 Braddock PL, Alexandria, VA 22314	6.940	-		-		-		-		-	0.000	6.940	6.940
2. PM Support - Program Management Support Services B	C/T&M	LMI Government Consulting : 2000 Corporate Ridge, McLean, VA 22102	26.208	-		-		-		-		-	0.000	26.208	26.208
3. PM Support - Program Management Support Services C	C/T&M	Science Applications Internation Corporation (SAIC) : 1710 SAIC Dr., McLean, VA 22102	7.020	-		-		-		-		-	0.000	7.020	7.020
4. PM Support - Indepent Verification and Validation (IV&V)	C/T&M	CAP Gemini : 2250 Corporate Park Dr, Herndon, VA 20171	2.104	-		-		-		-		-	0.000	2.104	2.104
Subtotal			42.272	-		-		-		-		-	0.000	42.272	N/A
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
1. Test and Evaluation - Test and Evaluation	IA	AEC, ATEC, OTC and JITC : Various Locations	4.042	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			4.042	-		-		-		-		-	Continuing	Continuing	N/A
Remarks No funding in FY18.															

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2019 Army										<b>Date:</b> February 2018			
<b>Appropriation/Budget Activity</b> 2040 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>					<b>Project (Number/Name)</b> 08A / <i>Army Enterprise System Integration Program</i>			
	<b>Prior Years</b>	<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019 Base</b>		<b>FY 2019 OCO</b>		<b>FY 2019 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	309.390	0.862		0.000		-		-		-	Continuing	Continuing	N/A
<b>Remarks</b>													

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Army																Date: February 2018												
Appropriation/Budget Activity 2040 / 7									R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System								Project (Number/Name) 08A / Army Enterprise System Integration Program											
Event Name	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
Increment 1 Enterprise Service Bus (Hub Services)																												
Increment 1 Enterprise Master Data Management																												
Increment 1 - Enterprise Business Intelligence/Business Warehouse																												
GCSS-Army Wave 2 - Fielding																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Army			<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>	<b>Project (Number/Name)</b> 08A / <i>Army Enterprise System Integration Program</i>	

**Schedule Details**

<b>Events</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Increment 1 Enterprise Service Bus (Hub Services)	4	2008	4	2017
Increment 1 Enterprise Master Data Management	4	2008	4	2017
Increment 1 - Enterprise Business Intelligence/Business Warehouse	4	2008	4	2017
Material Master (MM) Release 3.3	4	2012	4	2015
MM Release 3.4	1	2013	3	2014
MM Release 3.5	4	2012	2	2015
GCSS-Army Release 1.1 (Wave 1) - Fielding	1	2013	1	2016
Customer Vender Solution 2.0	2	2013	4	2016
GCSS-Army Release 1.2 (Wave 2) Plan, Analyze, Design, Build & Test	3	2011	4	2015
GCSS-Army Wave 2 - Fielding	1	2015	1	2018



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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) EK2 / GCSS-A Increment 2			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
EK2: GCSS-A Increment 2	-	24.230	64.063	67.320	-	67.320	32.321	28.055	19.006	24.485	0.000	259.480
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
<p>The Global Combat Support System-Army (GCSS-Army) program has two components: a functional component titled GCSS-Army and a technology enabler component titled Army Enterprise Systems Integration Program (AESIP). GCSS-Army coupled with AESIP are information and communications technology investments that currently provides provide key enabling support to the transformation of the Army into a network-centric, knowledge-based future force.</p> <p>Building on the foundation of GCSS-Army Increment 1, Increment 2 will provide the Army Enterprise Aviation maintenance, enhanced Business Intelligence / Business Warehouse (BI/BW) and Army Pre-Positioned Stock (APS) functional capabilities to deliver greater efficiencies and to improve information flow and accuracy in real time to decision makers. Upon the completion of Increment 2, the Unit Level Logistics System-Aviation (Enhanced) (ULLS-A(E)), Unmanned Aircraft System-Initiative (UAS-I), and Army War Reserve Deployment System (AWRDS) will be eligible for retirement since the necessary functionality will have been replaced by GCSS-Army increments. GCSS-Army will provide the Army sustainment support for the warfighter with a seamless flow of timely, accurate, accessible and secure management information that gives combat forces a decisive edge.</p>												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2017	FY 2018	FY 2019	
<p><b>Title:</b> Technology Maturation and Risk Reduction Phase</p> <p><b>Description:</b> During the Technology Maturation and Risk Reduction (TMRR) phase, the program develops and demonstrates prototype designs to reduce technical risk, validate design approaches, validate cost estimates, and refine requirements. TMRR is an iterative process of maturing technologies and refining user performance parameters to ensure an affordable and executable production program.</p> <p><b>FY 2018 Plans:</b> Complete analysis to assess risk, affordability, and feasibility. Continue fit/gap analysis and blueprinting of stakeholder requirements.Efforts are intended to reduce the specific risks (e.g. technology, engineering, integration and life-cycle risk) associated with the incremental development of the GCSS-Army system.</p> <p><b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> TMMR phase ends in FY18 as program proceeds in EMD.</p>									23.310	20.573	-	
<p><b>Title:</b> System Design, Develop and Build</p> <p><b>Description:</b> The purpose of this phase is to begin the system development for an incremental capability that is affordable and executable to satisfy the Key Performance Parameters and Key System Attributes .</p>									-	42.550	60.585	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2019 Army		<b>Date:</b> February 2018	
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>	<b>Project (Number/Name)</b> EK2 / <i>GCSS-A Increment 2</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2017</b>	<b>FY 2018</b>
<b>FY 2018 Plans:</b> Finish design phase and begin the development and build of Increment 2. Develop test plans preparatory to begin testing. Verify achievement of critical technical parameters and the ability to achieve key performance parameters, and assess progress toward achievement of critical operational issues. Validate system functionality. Identify system capabilities, limitations, and deficiencies. Assess system specification compliance, system safety, and compatibility with relational database management systems.			
<b>FY 2019 Plans:</b> Engineering and Manufacturing Development of Increment 2, to include design, development, and build. Complete all needed hardware and software detailed design; retire any open risks; build and test prototypes or first articles to verify compliance with capability requirements; and establish initial product baseline for all configuration items. Perform design reviews prior to test article fabrication and/or software build or increment coding.			
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Development efforts increase as program proceeds in Full Development phase			
<b>Title:</b> PMO Operations <b>Description:</b> Program Management operations to support engineering and manufacturing development.		0.920	0.940
<b>FY 2018 Plans:</b> Program Management operations to support engineering and manufacturing development.			
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> PMO operations funding moved to OMA in FY19.			
<b>Title:</b> Government System Test and Evaluation <b>FY 2019 Plans:</b> Begin test and evaluation of Increment 2. Build and test prototypes or first articles to verify compliance with capability requirements; and establish initial product baseline for all configuration items. Perform design reviews prior to test article fabrication and/or software build or increment coding. Preparations for Developmental Test and Evaluation (DT&E) and Operational Test and Evaluation (OT&E).		-	6.735
<b>FY 2018 to FY 2019 Increase/Decrease Statement:</b> Testing efforts accelerate during Development phase in FY19.			
<b>Accomplishments/Planned Programs Subtotals</b>		24.230	64.063

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army									Date: February 2018		
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System				Project (Number/Name) EK2 / GCSS-A Increment 2			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• W11011: GCSS-Army Increment 2 Other Procurement (SSN W11011)	-	3.867	6.841	-	6.841	21.461	34.653	11.796	38.022	0.000	116.640
Remarks											
D. Acquisition Strategy											
GCSS-Army Increment 2 continues the evolutionary acquisition strategy of Increment 1 and will define, develop, and deploy additional and enhanced capabilities to GCSS-Army based upon proven technology, time-phased requirements, projected threat assessments, and demonstrated manufacturing capabilities.											
GCSS-Army Increment 2 is being implemented in three waves:											
Wave 1 provides the Army Enterprise Aviation maintenance capability.											
Wave 2 provides the enhanced Business Intelligence/Business Warehouse (BI/BW) capability.											
Wave 3 provides the Army Pre-Positioned Stock (APS) capability											
Effective February 2, 2017 DoD Instruction (DoDI) 5000.75 was issued to establish policy for use of Business Capability Acquisition Cycle (BCAC) for Defense Business Systems, applying to Global Combat Support System. This DoDI supersedes DoDI 5000.02, improving the alignment of business systems to commercial best practices as well as optimizing efficiencies and effectiveness across DoD for the acquisition of business systems. Decisions rendered by the Milestone Decision Authority, as outlined in DoDI 5000.75, are referred to as "Authority To Proceed (ATPs)" and replace DoDI 5000.02 "Milestones."											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army												Date: February 2018			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System						Project (Number/Name) EK2 / GCSS-A Increment 2			
Management Services (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
PMO Operations	TBD	PMO : Huntsville AL	-	0.920		0.940		-		-		-	2.920	4.780	-
Subtotal			-	0.920		0.940		-		-		-	2.920	4.780	N/A
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Technology Maturization and Risk Reduction	C/IDIQ	Various : Various	22.097	23.310	Feb 2017	20.573	Feb 2018	-		-		-	0.000	65.980	-
System Design, Develop and Build	C/CPFF	TBD : TBD	-	-		42.550	May 2018	57.997	May 2019	-		57.997	72.847	173.394	115.397
Subtotal			22.097	23.310		63.123		57.997		-		57.997	72.847	239.374	N/A
Remarks															
Finish Design and begin development (FY17-FY18) and build of Increment 2. Verify achievement of critical technical parameters and the ability to achieve key performance parameters, and assess progress toward achievement of critical operational issues. Validate system functionality. Identify system capabilities, limitations, and deficiencies. Assess system specification compliance, system safety, and compatibility.															
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Test and Evaluation	C/Various	TBD : TBD	-	-		-		9.323	Nov 2018	-		9.323	39.916	49.239	39.916
Subtotal			-	-		-		9.323		-		9.323	39.916	49.239	N/A
Remarks															
Test and evaluation efforts anticipated to begin FY19. Includes Developmental Testing, Operational Testing, ATEC and JTIC tests, and various other tests as required by regulation.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army											Date: February 2018				
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / Global Combat Support System					Project (Number/Name) EK2 / GCSS-A Increment 2					
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			22.097	24.230		64.063		67.320		-		67.320	115.683	293.393	N/A

Remarks

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2019 Army</b>			<b>Date:</b> February 2018		
<b>Appropriation/Budget Activity</b> 2040 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>			<b>Project (Number/Name)</b> EK2 / <i>GCSS-A Increment 2</i>

Event Name	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
Preliminary Design, RFP, Source Selection, Prototyping, Requirements																												
Acquisition ATP								1																				
Release Deployment Decision ATP																		2										
Capability Support ATP																												3

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Army			<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303141A / <i>Global Combat Support System</i>	<b>Project (Number/Name)</b> EK2 / <i>GCSS-A Increment 2</i>	

## Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Preliminary Design, RFP, Source Selection, Prototyping, Requirements Analysis	1	2016	2	2018
Acquisition ATP	3	2018	3	2018
Release Deployment Decision ATP	2	2021	2	2021
Capability Support ATP	4	2023	4	2023

### Note

The schedule for GCSS-Army Increment 2 is based upon the Army Acquisition Executive (AAE) decision to utilize the Government System Integrator

Effective February 2, 2017 DoD Instruction (DoDI) 5000.75 was issued to establish policy for use of Business Capability Acquisition Cycle (BCAC) for Defense Business Systems, applying to Global Combat Support System. This DoDI supersedes DoDI 5000.02, improving the alignment of business systems to commercial best practices as well as optimizing efficiencies and effectiveness across DoD for the acquisition of business systems. Decisions rendered by the Milestone Decision Authority, as outlined in DoDI 5000.75, are referred to as "Authority To Proceed (ATPs)" and replace DoDI 5000.02 "Milestones."