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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	43.643	22.600	13.082	-	13.082	2.561	2.596	2.632	2.669	0.000	89.783
083: <i>Global Combat Support Sys - Army</i>	-	14.388	22.600	13.082	-	13.082	2.561	2.596	2.632	2.669	0.000	60.528
EK2: <i>GCSS-A Increment 2</i>	-	29.255	-	-	-	-	-	-	-	-	0.000	29.255

A. Mission Description and Budget Item Justification

(Project 083) GCSS-Army Increment 1 gives combat forces a decisive edge by providing soldiers a seamless flow of timely, accurate, accessible, and secure logistics information to get combat power at the right place, at the right time. The GCSS-Army program is an information and communications technology investment that provides key enabling support to the transformation of the Army into a network-centric, knowledge-based future force. The GCSS-Army approved Capability Development Document (CDD) and Capability Production Document (CPD) require an enterprise approach to replace current logistics and maintenance Standard Army Management Information Systems (STAMIS) to include supply, maintenance, ammunition, aviation, and property book. GCSS-Army implements 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.

(Project EK2) GCSS-Army Increment 2 consists of three waves: Wave 1- Enterprise Aviation (EAVN); Wave 2- Business Intelligence/Business Warehouse (BI/BW); Wave 3- Army Prepositioned Stocks (APS). Increment 2 was built on the current foundation by providing auditable EAVN maintenance, enhanced BI/BW, and APS functional capabilities which directly impacts the speed at which a deploying unit can draw combat equipment. Waves 1 and 2 deliver greater efficiencies to Aviation Logistics warfighters and improved information flow and accuracy in real time to decision makers, helping them make better decisions faster on the battlefield. Wave 3 has sunset the Army War Reserve Deployment System (AWRDS) legacy system.

GCSS-A must take critical steps towards integration and implementation of the next generation of Enterprise Business Systems capabilities. This effort will address the obsolescence of existing SAP Enterprise Resource Planning (ERP) logistics and financial management platforms that the vendor plans to sunset by FY 2032. GCSS-A's modernization work sets the conditions for development of a converged, post-modern Defense Business System that streamlines and integrates the Army's core business functions.

GCSS-A must identify redundant processes as candidates for business process re-engineering. Funding will support the 1) market research of Industry best practices, 2) Initiation of an Army Enterprise Development Environment to enable prototyping which reduces risk by aiding the requirements development. This environment includes: Cloud-hosted infrastructure, applications, and programs and tools, 3) government Program Management and Systems Engineering and Technical Assistance (SETA) contractors needed to plan for and manage the initiation of the post-modern system implementation effort.

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The funds in the GCSS-Army Increment 1 Research Development Test & Evaluation (RDT&E) line are for building the software solution for disconnected supply, maintenance and accountability, and Store and Forward Capability. In FY 2021, the Army began the design, development and build of disconnected operations capability to support ground operations and will complete this effort in FY 2024.

In FY 2024 after transition to capability support, RDT&E funding for Continuous Enhancements will 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 capability support and effectiveness by synchronizing system data and utilizing enterprise interface tools to eliminate input errors.

In FY 2020, the Army Acquisition Executive (AAE) approved a change in technical approach for GCSS-Army Increment 2 due to unforeseen technical complexities identified by the vendor which would have significantly increased cost and schedule. The new technical approach will deliver capability in five capability drops for Waves 1 and 2 to be developed and deployed incrementally from FY 2020 thru FY 2023.

GCSS-Army Enterprise Aviation is integrating the Aircraft Notebook (ACN) data into GCSS-Army via an interface with the Enterprise Aviation Middleware components.

Enterprise Resource Plan (ERP) modernization will continue to support EBS-C in FY 2023 before full transition of efforts to EBS-C in FY 2024.

Advanced Manufacturing (AdvM) Data Repository (DR) is an Army priority. AdvM DR will fully integrate AdvM capabilities and enable Digital Thread (DT) within the Army ERPs. It will integrate the AdvM DR with the Army Futures Command (AFC) Enterprise Product Management (ePDM) system providing a fully automated capability for the transfer of the AdvM product configuration data to the AdvM DR. Capability will reduce manual efforts to transfer configuration data to the AdvM DR ensuring accuracy and configuration of AdvM print data.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	45.297	27.100	0.000	-	0.000
Current President's Budget	43.643	22.600	13.082	-	13.082
Total Adjustments	-1.654	-4.500	13.082	-	13.082
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-4.500			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.654	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	13.082	-	13.082

Change Summary Explanation

Increase of FY2024 Base dollars for initiation of Advanced Manufacturing Data Repository and continuation of Product Development Enhancements.

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Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>				Project (Number/Name) 083 / <i>Global Combat Support Sys - Army</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
083: <i>Global Combat Support Sys - Army</i>	-	14.388	22.600	13.082	-	13.082	2.561	2.596	2.632	2.669	0.000	60.528
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

GCSS-Army Increment 1 provides critical Army sustainment support to the soldier with a seamless flow of timely, accurate, accessible, and secure information management that gives combat forces a decisive edge and is essential for combat readiness. The GCSS-Army approved Capability Development Document (CDD) and Capability Production Document (CPD) require an enterprise approach to replace current logistics and maintenance Standard Army Management Information Systems (STAMIS) to include supply, maintenance, ammunition and property book. GCSS-Army implements 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. GCSS-Army is financially compliant and is a key component for the Army Enterprise Strategy to be financially auditable.

FY 2023 RDT&E funds for ERP Modernization will continue to support EBS-C efforts until the efforts transition to EBS-C program in FY 2024.

The FY 2024 funds in the GCSS-Army Increment 1 Research Development Test & Evaluation (RDT&E) line are for building the software solution for disconnected supply, maintenance and accountability, and Store and Forward capability. The Army requires a disconnected operations architecture for GCSS-Army to support ground mission. Currently the Army has battlefield gaps without network connectivity: inability to maintain or regenerate combat power, order/process spare parts, track battle losses, or conduct maintenance. The disconnected operations architecture will alleviate these problems when there are disruptions in communications or cyber-attacks. The FY 2024 funding also supports critical change requests in each fiscal year, coming from the warfighter and prioritized by the Combat Developer, for the baseline system. Implementation of SCRs enhance capability support and effectiveness by synchronizing system data and utilizing enterprise interface tools to eliminate input errors.

Advanced Manufacturing (AdvM) Data Repository (DR) is an Army priority. AdvM DR will fully integrate AdvM capabilities and enable the Digital Thread (DT) within the Army ERPs. It will integrate the AdvM DR with the Army Futures Command (AFC) Enterprise Product Management (ePDM) system providing a fully automated capability for the transfer of AdvM product configuration data to the AdvM DR. Capability will reduce manual efforts to transfer configuration data to the AdvM DR ensuring accuracy and configuration control of AdvM print data.

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

	FY 2022	FY 2023	FY 2024
Title: Product Development	14.388	-	7.800
Description: The funds in the GCSS-Army Increment 1 RDT&E line are for building the software solution for disconnected supply, maintenance and accountability, and Store and Forward capability. The Army requires a disconnected operations			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>architecture for GCSS-Army to support ground mission. The FY 2024 funding completes the development of the software solution for disconnected supply, maintenance and accountability.</p> <p>FY 2024 Plans: The FY 2024 RDT&E funds are for building the software solution for disconnected supply, maintenance and accountability, and Store and Forward capability. The Army requires a disconnected operations architecture for GCSS-Army to support ground mission.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase in FY 2024 funding for continuous support in the development of disconnected operations.</p>				
<p>Title: Product Development and Modernization</p> <p>Description: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary.</p> <p>FY 2023 Plans: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>		-	8.829	-

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
Decrease in FY24 funding reflects ERP Development & Modernization efforts that characterize the next iteration for SAP based ERPs, has moved to EBS-C which represents convergence of logistics and finance ERPs under OSD PE 0605013A in FY24.				
<p>Title: ERP Modernization Program Management Support</p> <p>Description: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary.</p> <p>FY 2023 Plans: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary. Disconnected Ops will be addressed as directed.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease in FY24 funding reflects movement of ERP modernization Program management support team, overseeing the next generation for SAP based ERPs, to EBS-C which represents convergence of logistics and finance ERPs under OSD PE 0605013A in FY24.</p>		-	8.570	-
<p>Title: Cloud Support Development</p> <p>Description: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems</p>		-	4.376	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary.</p> <p>FY 2023 Plans: RDT&E funding in FY 2023 to support ERP Modernization will focus on risk reduction, market research, provide analysis and prototype(s) demonstrating key Audit, Finance and Logistics capabilities, application and technical architecture to support the next phases of the ERP modernization. In support of this, government Program Management and Systems Engineering and Technical Assistance (SETA) contractors will be needed to plan for and manage the initiation of the ERP systems implementation effort. A cloud prototype(s) environment(s) will be established to support the development of modernized finance and logistics capabilities in compliance with Impact Level 4 (IL4) and Impact Level 6 (IL6) requirements. In addition, significant and continuous Business Process Re-engineering will be required to develop end to end processes based on commercial off the shelf software best practices to support limited to no customization approach and produce a solution that is commercial as possible and military as necessary.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease in FY24 funding reflects ERP Development & Modernization cloud support development efforts movement to EBS-C which represents convergence of logistics and finance ERPs under OSD PE 0605013A in FY24.</p>			
<p>Title: Advanced Manufacturing Data Repository</p> <p>Description: Advanced Manufacturing (AdvM) Data Repository (DR) is an Army priority. AdvM DR will fully integrate AdvM capabilities and enable the Digital Thread (DT) within the Army ERPs. It will integrate the AdvM DR with the Army Futures Command (AFC) Enterprise Product Management (ePDM) system providing a fully automated capability for the transfer of AdvM product configuration data to the AdvM DR. Capability will reduce manual efforts to transfer configuration data to the AdvM DR ensuring accuracy and configuration control of AdvM print data.</p> <p>FY 2024 Plans: Planned accomplishments FY 2024: Commence work developing integration with the Army Futures Command (AFC) Enterprise Product Data Management (ePDM) system eliminating manual processes and ensuring configuration control of print data.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funds added to FY 2024 RDT&E for Advanced Manufacturing.</p>	-	-	3.610
<p>Title: Continuous Enhancements</p>	-	-	1.672

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Description: The funds in the GCSS-Army Increment 1 RDT&E line are for continuous enhancements. In capability support phase, the RDT&E funding will be used to execute system change requests to enhance sustainment activities, accountability, auditability, and calculations of total cost of ownership.</p> <p>FY 2024 Plans: The funds will support GCSS-A Audit related fixes and Cyber updates as required. The remaining balance of funds are for critical change requests, coming from the Combat Developer and prioritized by the HQDA G4 and USA CASCOM.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Functional request for FY 2024 funding for continuous enhancements.</p> <p>Title: SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.</p>	-	0.825	-
Accomplishments/Planned Programs Subtotals	14.388	22.600	13.082

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OMA - GCSS-ARMY APE 432612000: GCSS-ARMY OMA	48.224	54.603	70.095	-	70.095	52.025	55.686	61.635	61.445	0.000	403.713

Remarks
OMA dollars include funding for both GCSS-Army INC 1 and INC 2 programs. OMA-funded support includes cloud hosting, software/hardware maintenance, and PMO Support.

D. Acquisition Strategy
GCSS-Army will design and develop the software solution for disconnected ground operations . The program will design and build user screens for disconnected supply, maintenance and accountability. The Army will use a disconnected operations architecture for GCSS-Army to support the ground missions. In FY 2021, the program office awarded the initial contract supporting disconnected prototyping. In FY 2023 and FY 2024, the program will complete the OTA and prepare for production decision.

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FY 2024 will include continuous enhancements task orders as necessary and contract for Advanced Manufacturing.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army												Date: March 2023				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
2040 / 7				PE 0303141A / Global Combat Support System				083 / Global Combat Support Sys - Army								
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
SBIR/STTR	TBD	TBD : TBD	-	-		0.825		-		-		-	0.000	0.825	-	
Subtotal			-	-		0.825		-		-		-	0.000	0.825	N/A	
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
Enterprise Resource Planning (ERP) design and development	C/Various	Accenture Federal LLC : Arlington, VA 22203	467.058	-		-		1.672	Dec 2023	-		1.672	0.000	468.730	457.056	
Disconnected Operations Solution	SS/TBD	Ernst & Young : Arlington VA	20.883	14.388		-		7.800	Jan 2024	-		7.800	0.000	43.071	-	
ERP Modernization SW Development	Option/TBD	TBD : TBD	-	-		8.829		-		-		-	0.000	8.829	-	
ERP Modernization Cloud Support Development	Option/TBD	TBD : TBD	-	-		4.376		-		-		-	0.000	4.376	-	
Advanced Manufacturing Data Repository	C/CPFF	Accenture : Springfield VA	-	-		-		3.610	Dec 2023	-		3.610	0.000	3.610	-	
Subtotal			487.941	14.388		13.205		13.082		-		13.082	0.000	528.616	N/A	
Support (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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	
ERP Modernization Program Management	C/T&M	Logistics Management Institute : Tysons VA	-	-		8.570		-		-		-	0.000	8.570	-	
Subtotal			-	-		8.570		-		-		-	0.000	8.570	N/A	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Army								Date: March 2023			
Appropriation/Budget Activity 2040 / 7				R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>				Project (Number/Name) 083 / <i>Global Combat Support Sys - Army</i>			
	Prior Years	FY 2022		FY 2023		FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	487.941	14.388		22.600		13.082	-	13.082	0.000	538.011	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army			Date: March 2023
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Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Continuous Enhancements (Design and Development)	[Blue bar spanning all quarters from FY 2022 to FY 2028]																											
Disconnected Operations Solution (Test and Development)	[Blue bar spanning all quarters from FY 2022 to Q4 FY 2024]																											
Disconnected Operations Solution (Deployment)	[Blue bar spanning Q1 FY 2025 to Q4 FY 2025]																											
ERP Modernization Risk Reduction Acquisition Decision Me...	▲ 1																											
ERP Modernization Other Transaction Authority Start			▲ 2																									
ERP Modernization Prototype Award 1				▲ 3																								
ERP Modernization Capability Build 1					[Blue bar]																							
ERP Modernization transition to EBS-C								▲ 4																				
Advanced Manufacturing Data Repository									[Blue bar]																			

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>	Project (Number/Name) 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 - Milestone B	4	2008	4	2008
Increment 1/Release 1.1 DTOE	3	2010	4	2010
GCSS-Army Release 1.1 Design, Build, Test & Stabilize	1	2011	3	2011
Increment 1 - Milestone C	4	2011	4	2011
Release 1.1 Initial Operational Test and Evaluation (IOT&E)	1	2012	1	2012
Release 1.1 Stabilization	2	2011	1	2013
Lead Site Verification	1	2013	1	2013
Release 1.1 Full Deployment Decision	1	2013	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
Release 1.2 (Wave 2) Lead Site Verification Test	3	2015	3	2015
Release 1.2 (Wave 2) In Progress Review	4	2015	4	2015
Field Release 1.2 (Wave 2)	1	2015	1	2018
Continuous Enhancements (Design and Development)	1	2018	4	2028
Disconnected Operations Solution (Test and Development)	1	2021	4	2024
Disconnected Operations Solution (Deployment)	1	2025	4	2025
ERP Modernization Functional Requirements ATP	4	2021	4	2021
ERP Modernization Risk Reduction Acquisition Decision Memorandum	1	2022	1	2022
ERP Modernization Other Transaction Authority Start	3	2022	3	2022

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Events	Start		End	
	Quarter	Year	Quarter	Year
ERP Modernization Prototype Award 1	1	2023	1	2023
ERP Modernization Capability Build 1	1	2023	4	2023
ERP Modernization transition to EBS-C	4	2023	4	2023
Advanced Manufacturing Data Repository	1	2024	4	2024

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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
EK2: <i>GCSS-A Increment 2</i>	-	29.255	-	-	-	-	-	-	-	-	0.000	29.255
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

(Project EK2) GCSS-Army Increment 2 was built on the current foundation by providing auditable Army Enterprise Aviation maintenance, enhanced Business Intelligence/Business Warehouse (BI/BW) and Army Pre-Positioned Stocks (APS) functional capabilities and has sunset the legacy system Army War Reserve Deployment System (AWRDS). Increment 2 delivered greater efficiencies to Aviation Logistics warfighters and improve information flow and accuracy in real time to decision makers, helping them make better decisions faster on the battlefield. This Project developed the underlying common architecture for the next generation Enterprise Business System converged capabilities. This includes efforts to implement updated Business Processes through Business Process Reengineering in a modernized technical capability.

EK2 (INC 2) does not have any RDT&E funding requests after FY 2022.

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

	FY 2022	FY 2023	FY 2024
Title: System Design, Develop and Build	24.891	-	-
Description: 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.			
Title: Government System Test and Evaluation	4.364	-	-
Description: Government System Test and Evaluation			
Accomplishments/Planned Programs Subtotals	29.255	-	-

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• W11011: <i>GCSS-Army Increment 2</i>	8.715	4.102	1.987	-	1.987	2.717	-	-	-	0.000	17.521

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.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>	Project (Number/Name) EK2 / <i>GCSS-A Increment 2</i>

GCSS-Army Increment 2 is being implemented in three waves:

Wave 1 provides the Army Enterprise Aviation logistics capability. Government System Integrator is the Combat Capability Development Command (CCDC) Aviation and Missile Center, System Simulation and Software Integration (S3I) Directorate. The program office will employ System Simulation and Software Integration Directorate (S3I) to design and develop the minimum viable Aviation solution through a series of five Capability Drops which will bring Aviation data and functionality into GCSS-Army and be independently designed, developed, and deployed.

Wave 2 provides the enhanced BI/BW capability. Base contract was awarded as a small business set aside IDIQ contract, June 2019. Option year awarded June 2020.

Wave 3 provides the APS capability. Will leverage Army Shared Service Center (ASSC) contract.

GCSS-Army also leverages the partnership with the U.S. Army Communications-Electronics Command, and supplements the design and development team with architecture and engineering support from the existing support contract.

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>	Project (Number/Name) EK2 / <i>GCSS-A Increment 2</i>

Event Name	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	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
Full Deployment ATP				▲ 1																								
Capability Support ATP								▲ 2																				
Release 2 EAVN Blueprinting/R2 SW Development	■	■	■																									
Rel 2 Testing	■	■	■																									
Rel 2 Deployment		■	■	■	■	■	■																					
Business Intelligence/Business Warehouse Blueprinting/De...	■	■	■																									
APS Blueprinting/Development/Testing//Deployment	■																											

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Army		Date: March 2023
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0303141A / <i>Global Combat Support System</i>	Project (Number/Name) EK2 / <i>GCSS-A Increment 2</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MDA Meeting	2	2016	2	2016
Full Deployment ATP	4	2022	4	2022
Capability Support ATP	4	2023	4	2023
Rel 1 EAVN Blueprinting/ SW Development	1	2018	4	2019
Rel 1 Testing	1	2018	2	2020
Rel 1 Deployment	4	2019	2	2021
Release 2 EAVN Blueprinting/R2 SW Development	3	2019	3	2022
Rel 2 Testing	1	2021	4	2022
Rel 2 Deployment	1	2021	4	2023
Business Intelligence/Business Warehouse Blueprinting/Development	1	2019	4	2022
APS Blueprinting/Development/Testing//Deployment	1	2021	1	2022

Note

The schedule for GCSS-Army Increment 2 is based upon the Army Acquisition Executive (AAE) decision to utilize the Government System Integrator. Schedule reflects two releases for Enterprise Aviation (Wave 1), one release for Business Intelligence/Business Warehouse (Wave 2), and one release for Army Prepositioned Stock (Wave 3).