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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Army **Date:** April 2022

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0605047A / <i>Contract Writing System</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	22.025	20.960	23.487	-	23.487	0.000	0.000	0.000	0.000	Continuing	Continuing
FA7: <i>Contract Writing System</i>	-	22.025	20.960	23.487	-	23.487	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Army Contract Writing System (ACWS) will be the Army's single, next-generation, enterprise-wide contract writing, management, execution, and close-out software system. ACWS will facilitate the standardization of Army Procurement business processes and streamline the integration with Army Enterprise Resource Planning (ERP) systems. As a financial feeder system, ACWS will meet the full scope of Army contracting requirements, including those in secure and non-secure locations, those supporting combat or noncombat contingencies, those within or outside the borders of the Continental United States, those supporting grants and assistance agreements, and those performing weapons systems, construction, installation, other specialized contracting activities, and the Federal Financial Management Improvement Act of 1996.

Initial Operating Capability (IOC) was planned for January 2022. However, following the testing results in December of 2021, the Army changed strategy to focus on alternative solutions. The new approach will leverage existing contract writing solutions from other services and technologies. The Army will pivot to an iterative design, development, testing and cyber security strategy for an integrated system that will support functionality required to begin decommissioning of SPS and PADDs, on-boarding Joint Base and National Guard Bureau users, and integrating existing business intelligence capabilities.

FY2022 RDTE Funding supports a risk reduction effort to to refine the Army roadmap and strategic plan to deliver requirements, conduct business process re-engineering, establish environments, begin initial development through an Inter Agency Agreement (IAA) with the United States Department of Agriculture (USDA) to deliver a minimal viable product leveraging existing contract writing technologies.

FY2023 RDTE funding supports obtaining an Authority to Operate (ATO), release of a Minimum Viable Product (MVP) and includes building grants and agreements capabilities, construction contracting, financial system integration and standards, and activities focused on the decommission of the Standard Procurement System (SPS) and Procurement Automated Document and Data System (PADDs).

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B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	22.025	22.960	0.000	-	0.000
Current President's Budget	22.025	20.960	23.487	-	23.487
Total Adjustments	0.000	-2.000	23.487	-	23.487
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-2.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	23.487	-	23.487

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

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Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605047A / <i>Contract Writing System</i>				Project (Number/Name) FA7 / <i>Contract Writing System</i>			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
FA7: <i>Contract Writing System</i>	-	22.025	20.960	23.487	-	23.487	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Army Contract Writing System (ACWS) will be the Army's single, next-generation, enterprise-wide contract writing, management, execution, and close-out software system. ACWS will facilitate the standardization of Army Procurement business processes and streamline the integration with Army Enterprise Resource Planning (ERP) systems. As a financial feeder system, ACWS will meet the full scope of Army contracting requirements, including those in secure and non-secure locations, those supporting combat or noncombat contingencies, those within or outside the borders of the Continental United States, those supporting grants and assistance agreements, and those performing weapons systems, construction, installation, other specialized contracting activities, and the Federal Financial Management Improvement Act of 1996.

Initial Operating Capability (IOC) was planned for January 2022. However, following the testing results in December of 2021, the Army changed strategy to focus on alternative solutions. The new approach will leverage existing contract writing solutions from other services and technologies. The Army will pivot to an iterative design, development, testing and cyber security strategy for an integrated system that will support functionality required to begin decommissioning of SPS and PADDs, on-boarding Joint Base and National Guard Bureau users, and integrating existing business intelligence capabilities.

FY2022 RDTE Funding supports a risk reduction effort to refine the Army roadmap and strategic plan to deliver requirements, conduct business process re-engineering, establish environments, begin initial development through an Inter Agency Agreement (IAA) with the United States Department of Agriculture (USDA) to deliver a minimal viable product leveraging existing contract writing technologies.

FY2023 RDTE funding supports obtaining an Authority to Operate (ATO), release of a Minimum Viable Product (MVP) and includes building grants and agreements capabilities, construction contracting, financial system integration and standards, and activities focused on the decommission of the Standard Procurement System (SPS) and Procurement Automated Document and Data System (PADDs).

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

	FY 2021	FY 2022	FY 2023
Title: Program Office	4.533	3.203	3.775
Description: These resources in the ACWS Program Management Office include Government, matrixed, and SETA contractor support for capability development, enterprise architecture, contract management, management analysis, capital/ financial planning, life cycle planning, risk management, schedule management, and facilities (for both Government and contractor staff).			
FY 2022 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
<p>Program management support in the ACWS Government Program Management Office includes contractor support, CECOM, DASA(P), and other contractor support for resource planning, capability development, life cycle planning, risk management, schedule management, and facilities.</p> <p>FY 2023 Plans: Program management support in the ACWS Government Program Management Office includes contractor support, CECOM, DASA(P), and other contractor support for resource planning, capability development, life cycle planning, risk management, schedule management, and facilities. FY23 will continue to focus on planning and execution of the solution implementation.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: FY2023 funding increase supports the management, planning, and execution of the new strategy.</p>				
<p>Title: Product Development</p> <p>Description: Product development is responsible for design and development of the solution for Army contract writing. This cross-functional team of Government and contractor staff analyze and design the requirements to efficiently ensure completeness in satisfying system requirements. Efforts required by system interface partners, hosting infrastructure (using Infrastructure as a Service [IaaS]) and managed services are also included as a requirement of the solution for Army contract writing.</p> <p>FY 2022 Plans: FY2022 RDTE Funding supports a risk reduction effort to to refine the Army roadmap and strategic plan to deliver requirements, conducts business process reengineering, establishes environments (development, test, production), begins initial development through an Inter Agency Agreement (IAA) with the United States Department of Agriculture (USDA) to deliver a minimal viable product leveraging existing contract writing technologies.</p> <p>FY 2023 Plans: FY2023 RDTE funding supports obtaining an Authority to Operate (ATO), release of a Minimum Viable Product (MVP) and includes building grants and agreements capabilities, construction contracting, financial system integration and standards, and activities focused on the decommission of the Standard Procurement System (SPS) and Procurement Automated Document and Data System (PADDS).</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: FY2023 funding increase supports the management, planning, and execution of the new strategy.</p>		15.821	11.120	15.029
<p>Title: Security</p>		0.753	2.450	1.594

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
<p>Description: Security related costs all include Information Assurance (IA)/ Risk Management Framework (RMF) activities, and cyber security support for the Cloud Solution Provider's government approved hosting environment complementing the Interim Authorization to Test (IATT) and Authority to Operate (ATO) controls.</p> <p>FY 2022 Plans: System integrator costs to support cybersecurity vulnerability scanning, system hardening, Risk Management Framework costs, and audit readiness. The Secure Activities capability will require a separate Authority to Operate (ATO) and additional work to update existing documentation for Full Deployment interfaces. There will also be extensive work to meet audit requirements in FY 2022.</p> <p>FY 2023 Plans: FY2023 funding supports the development and completion of controls associated with Authorization to Operate (ATO) for the new strategy, cyber security regulations, and Risk Management Framework. There will also be extensive work to meet audit requirements in FY2023.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: FY2023 funding decrease supports the management, planning, and execution of the new strategy.</p>				
<p>Title: Test & Evaluation</p> <p>Description: Costs associated with The test and evaluation function to validate and inspect capability requirements ensuring they are satisfactorily addressed through design analysis and development of test scripts. The Army Test and Evaluation Command (ATEC) and Joint Interoperability Test Command (JITC) will support ACWS as testers of the system.</p> <p>FY 2022 Plans: Operational Evaluation(OE) led by ATEC to assess functionality meets user needs following capability increments.</p> <p>FY 2023 Plans: FY2023 resources support the planning and test of the new solution through Army partners, including interface partners, ATEC, JITC, and other users from the field.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: FY2023 funding decrease supports the management, planning, and execution of the new strategy.</p>		0.918	3.422	3.089
<p>Title: FY2022 SBIR/STTR Transfer</p> <p>Description: Funding Transferred in accordance with Title 15 U.S. Code 638</p> <p>FY 2022 Plans:</p>		-	0.765	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
Funding Transferred in accordance with Title 15 U.S. Code 638			
<i>FY 2022 to FY 2023 Increase/Decrease Statement:</i> FY 2022 Funding transferred in accordance with Title 15 U.S. Code 638			
Accomplishments/Planned Programs Subtotals	22.025	20.960	23.487

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

Line Item	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• B66001: <i>Contract Writing System</i>	2.459	14.957	17.701	-	17.701	-	-	-	-	0.000	35.117
• OMA - ERPB / 423612000 / 5T0: <i>ACWS Sustainment OMA</i>	7.338	12.826	6.602	-	6.602	6.526	6.536	6.602	-	0.000	46.430

Remarks
 FY2023 OPA funds required to support training material development, dedicated training support personnel, and software user licenses.

 FY 2023 OMA funding will be used for sustainment of sites that have already been deployed, license maintenance, hosting, sustainment, cyber security posture activities, and service desk activities.

D. Acquisition Strategy
 Through full and open competition, ACWS awarded a Single Award ID/IQ contract with a 10-year ordering period to CGI Federal Inc. on 22 May 2017. Task Order 0002 was issued in August 2018 and extended into FY2022 to support the deployment of IOC to three (3) pilot locations. IOC was planned for January 2022, however following the outcome of Software Qualification Testing (SQT) in December 2021, Army Senior leadership directed to pivot to leverage solutions currently in place with other services.

 The Army will pivot to an iterative design, development, testing and cyber security of an integrated system that will support functionality required to begin decommissioning of SPS and PADDs, on-board Joint Base and National Guard Bureau users, and business intelligence capabilities. In FY2022, the program will refine its initial acquisition plan to include cloud infrastructure stand-up, achieve Authority to Operate (ATO), requirements decomposition, train program staff, and introduce specialized skill sets to support agile development practices.

 FY2023 funding supports the release of a Minimum Viable Product (MVP) and future capability for grants and agreements, financial system integration and standards, and activities associated with the development and testing of the secure contracting and disconnected contracting capabilities

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Army **Date:** April 2022

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Management Services (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Office	Various	PdM ACWS : Arlington, VA	26.931	4.533	Oct 2020	3.203	Oct 2021	3.775	Oct 2022	-		3.775	0.000	38.442	-
FY 2022 SBIR/STTR Transfer	TBD	Various : Various	-	-		0.765		-		-		-	0.000	0.765	-
Subtotal			26.931	4.533		3.968		3.775		-		3.775	0.000	39.207	N/A

Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	Various	PdM ACWS : Arlington, VA	61.605	15.821	Oct 2020	11.120	Oct 2021	15.029	Oct 2022	-		15.029	0.000	103.575	-
Subtotal			61.605	15.821		11.120		15.029		-		15.029	0.000	103.575	N/A

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Security	MIPR	PdM ACWS : Arlington, VA	4.213	0.753	Oct 2020	2.450	Oct 2021	1.594	Oct 2022	-		1.594	0.000	9.010	-
Subtotal			4.213	0.753		2.450		1.594		-		1.594	0.000	9.010	N/A

Test and Evaluation (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test and Evaluation	MIPR	ATEC & JTIC & PdM ACWS : Arlington, VA	3.413	0.918	Oct 2020	3.422	Oct 2021	3.089	Oct 2022	-		3.089	0.000	10.842	-
Subtotal			3.413	0.918		3.422		3.089		-		3.089	0.000	10.842	N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Army **Date:** April 2022

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Event Name	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027								
	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					
Acquisition, Testing, and Deployment Phase																																	
IOC Design, Development, and Test																																	
MVS Pilot Release Limited Deployment ATP	▲ 1																																
IOC Pilot Release Limited Deployment ATP/IOC Capability Evaluation									▲ 3																								
Pivot Strategy																																	
Operational Assessment																																	
Acquisition Planning																																	
Decision Point: Solution Strategy									▲ 4																								
Inter Agency Agreement (IAA): Risk Reduction																																	
IAA: Minimum Viable Product (MVP) Deployment									▲ 5																								
Requirements & Acquisition Planning and Cloud Infrastructure Development																																	
Development Sprint Execution																																	
Initial User License Purchase													▲ 6																				

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Army **Date:** April 2022

Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0605047A / <i>Contract Writing System</i>	Project (Number/Name) FA7 / <i>Contract Writing System</i>
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Event Name	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
	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
Solution Training, Deployment and Fielding																												
Authority to Proceed (ATP): MVP									▲ 7																			
MVP Release									▲ 8																			
IAA: Solutions Integration & Capabilities Development									▲ 9																			
System Operations & Support																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Army **Date:** April 2022

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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
RFP Release ADM (Material Solution Analysis Phase)	3	2016	3	2016
ATP-1 (MS A) / Contract Award - Task Order 0001	3	2017	3	2017
Risk Reduction Activities	3	2017	4	2018
Acquisition, Testing, and Deployment Phase	3	2016	3	2023
IOC Design, Development, and Test	4	2018	2	2022
Baseline ATP / Contract Award - MVS/IOC Release Task Order	4	2018	4	2018
MVS Pilot Release Limited Deployment ATP	1	2021	1	2021
MVS/IOC User Acceptance Testing (UAT) Events Complete	4	2020	4	2020
IOC Pilot Release Limited Deployment ATP/ IOC Capability Evaluation	2	2022	2	2022
Pivot Strategy	2	2022	2	2022
Operational Assessment	1	2022	3	2022
Acquisition Planning	2	2022	3	2022
Decision Point: Solution Strategy	3	2022	3	2022
Inter Agency Agreement (IAA): Risk Reduction	3	2022	3	2022
IAA: Minimum Viable Product (MVP) Deployment	4	2022	4	2022
Requirements & Acquisition Planning and Cloud Infrastructure Development	4	2022	3	2023
Development Sprint Execution	3	2023	1	2026
Initial User License Purchase	3	2023	3	2023
Solution Training, Deployment and Fielding	3	2023	4	2026
Authority to Proceed (ATP): MVP	3	2023	3	2023
MVP Release	3	2023	3	2023
IAA: Solutions Integration & Capabilities Development	4	2023	4	2023
System Operations & Support	3	2023	2	2032