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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army **Date:** March 2019

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)	R-1 Program Element (Number/Name) PE 0605047A / Contract Writing System
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	19.574	41.876	19.682	-	19.682	13.034	8.847	0.000	0.000	0.000	103.013
FA7: Contract Writing System	-	19.574	41.876	19.682	-	19.682	13.034	8.847	0.000	0.000	0.000	103.013

Note

Effective February 2, 2017, the Department of Defense Instruction (DoDI) 5000.75 was issued to establish policy for use of Business Capability Acquisition Cycle (BCAC) for Defense Business Systems, applying to Army Contract Writing System (ACWS). 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 (MDA), as outlined in DoDI 5000.75, are referred to as "Authority To Proceed" and replace DoDI 5000.02 "Milestones." ACWS official MDA delegation to Program Executive Office, Enterprise Information Systems was on 19 March 2018.

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 compliance requirements of the Federal Financial Management Improvement Act of 1996. The system will meet the full scope of Army contracting requirements, including those in secure and non-secure locations, those supporting combat or non-combat 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, and other specialized contracting activities. This is consistent with Undersecretary of Defense, Acquisition, Technology and Logistics (USD(AT&L)) memorandum; Department of Defense (DoD) Functional Contract Writing and Administration, dated 21 October 2011, which directed each of the Services to develop a new contract writing system. Accordingly, the Army received an Office of Secretary of Defense (OSD) Deputy Chief Management Officer (DCMO) validated problem statement and the Army Acquisition Executive approved the ACWS Materiel Development Decision (MDD) on 29 October 2014. On 24 March 2016, the USD(AT&L) signed the program's Request For Proposal (RFP) Release Acquisition Decision Memorandum (ADM) which designated ACWS as an unbaselined, Major Automated Information System Acquisition Category IAM program, and approved the Army's request to release an request for proposal to industry to procure a Commercial-off-the-Shelf (COTS) system. Since awarding a contract to CGI Federal Inc. on 22 May 2017, the program recently completed a robust risk reduction effort that aligned Army's business processes to the selected commercial-off-the-shelf product, and reduced unnecessary requirements and interfaces. In August 2018, program conducted a successful Baseline Authority to Proceed decision and obtained the Army Acquisition Executive's approval to award initial development task order. ACWS is on track to deploy a Minimum Viable Solution (MVS) to two pilot units in late FY 2019 / early FY 2020, and achieve Initial Operational Capability (IOC) NLT 3Q FY 2020.

ACWS was approved by The Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) as one of the pilot programs supporting the FY 2018 National Defense Authorization Act (NDAA) Section 873 Agile Pilots. The duration of the ACWS 873 Pilot Program is planned through Full Development. As part of the Sec 873 activities ACWS is realigning and restructuring during the IOC development which will include a contract structure that enables Agile best practices and incremental capability delivery to the field. ACWS, as Sec 873 Agile Pilot Program, will support OSD need to quickly identify lessons learned, reduce procedural delays, improve policy, and enhance workforce training. Sec 873 Pilot Programs, such as ACWS, are intended to deliver greater capability to the Army rapidly and at lowered costs.

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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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Sec 873 Pilot provides programs the opportunity to restructure in order to streamline contract and acquisition approaches and tear down barriers to agile development without penalty. Lessons learned will be used to help shape agile policy, processes and tools for DoD.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	20.322	41.928	20.375	-	20.375
Current President's Budget	19.574	41.876	19.682	-	19.682
Total Adjustments	-0.748	-0.052	-0.693	-	-0.693
• Congressional General Reductions	-0.015	-0.052			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.733	-			
• Adjustments to Budget Years	-	-	-0.693	-	-0.693

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
Appropriation/Budget Activity 2040 / 5					R-1 Program Element (Number/Name) PE 0605047A / Contract Writing System				Project (Number/Name) FA7 / Contract Writing System			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
FA7: Contract Writing System	-	19.574	41.876	19.682	-	19.682	13.034	8.847	0.000	0.000	0.000	103.013
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

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

	FY 2018	FY 2019	FY 2020
Title: Acquisition, Testing, and Deployment Phase	19.574	41.876	19.682
Description: During the Acquisition, Testing, and Deployment Phase the program will perform all development, integration, test, and deployment activities for two pilot sites, and two software releases (IOC and Full Deployment (FD)) to achieve full deployment of ACWS capabilities to 10,000 end users in approximately 300 locations worldwide.			
FY 2019 Plans:			

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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>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2018	FY 2019	FY 2020		
FY 2019 funds will be used to develop a MVS software release and deploy to a small pilot unit in 3Q. Funds will also be used for hosting to deploy ACWS with a government-approved cloud solution provider. <i>FY 2020 Plans:</i> ACWS will deploy the MVS software release to a second small pilot organization in FY 2020 and will then deliver the IOC release to both pilot units that previously received the MVS release. ACWS will train both pilot sites on the IOC release and will select one of the pilot organization to participate in an Initial Operational Test that will validate the capability in an operational environment and allow the Functional Sponsor to declare that the program has achieved IOC. ACWS will achieve IOC in fourth quarter FY 2020 and prepare for the deployment of the IOC capability to the Army Contracting Enterprise in early FY 2021. <i>FY 2019 to FY 2020 Increase/Decrease Statement:</i> ACWS has implemented an agile approach to developing and delivering capability in order to deploy two pilot units.											
Accomplishments/Planned Programs Subtotals							19.574	41.876	19.682		
C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u> <u>Base</u>	<u>FY 2020</u> <u>OCO</u>	<u>FY 2020</u> <u>Total</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• B66001: <i>Contract Writing System</i>	1.001	5.927	15.000	-	15.000	8.468	5.827	-	-	0.000	36.223
Remarks											
The FY 2020 base procurement funds procures requisite ACWS software licenses for IOC (estimated delivery to approximately 4,500 users for receiving IOC capability). The license procurement in FY 2020 supports pre-deployment activities including establishing both training and deployment teams for the IOC Release which will be deployed in first quarter FY 2021. The funding also supports and system fielding activities (Organization Change Management) throughout the Acquisition, Testing, and Deployment Phase.											
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 0001 of this contract is to conduct risk reduction activities concurrent with development of all regulatory and statutory documentation required. These activities are conducted for the purpose of meeting the USD(AT&L) timeline goals to sunset Standard Procurement System. Risk reduction activities include Business Process Re-engineering, Global Analysis, Blueprinting, and Interface Definition. Following risk reduction, ACWS will baseline the program at its next authority to proceed and will be in a position to begin the development of the initial software release interfaces (MVS). The ACWS strategy consists of an agile development software release approach in order to reach FD, followed by 60 months of sustainment activities during the Capability Support Phase.											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605047A / Contract Writing System				Project (Number/Name) FA7 / Contract Writing System					
Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Office	Various	PdM ACWS : Arlington, VA	5.979	7.260		7.800	Oct 2018	7.900	Oct 2019	-		7.900	0.000	28.939	-
Subtotal			5.979	7.260		7.800		7.900		-		7.900	0.000	28.939	N/A
Remarks FY20 projected costs include PMO contractor support labor, HW/SW tools, supplies, facility updates, and travel expenses.															
Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
Product Development	Option/ Various	CGI Federal : Arlington, VA	13.889	10.614		31.576	Oct 2018	7.782	Oct 2019	-		7.782	0.000	63.861	-
Subtotal			13.889	10.614		31.576		7.782		-		7.782	0.000	63.861	N/A
Remarks FY20 projected costs include the development of the IOC Release capability. Hosting (IaaS) and managed services are also included as a requirement on the ACWS Product Development SI Contract with CGI Federal.															
Support (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
Security	IA	ARL & NETCOM : ARL CSSP in AWS GovCloud West	-	1.500		1.500	Oct 2018	1.500	Oct 2019	-		1.500	0.000	4.500	-
Subtotal			-	1.500		1.500		1.500		-		1.500	0.000	4.500	N/A
Remarks FY20 projected costs include IA/RMF activities, and required services from a Cyber Security Support Provider (Army Research Lab) for the Cloud Solution Provider's government approved hosting environment.															

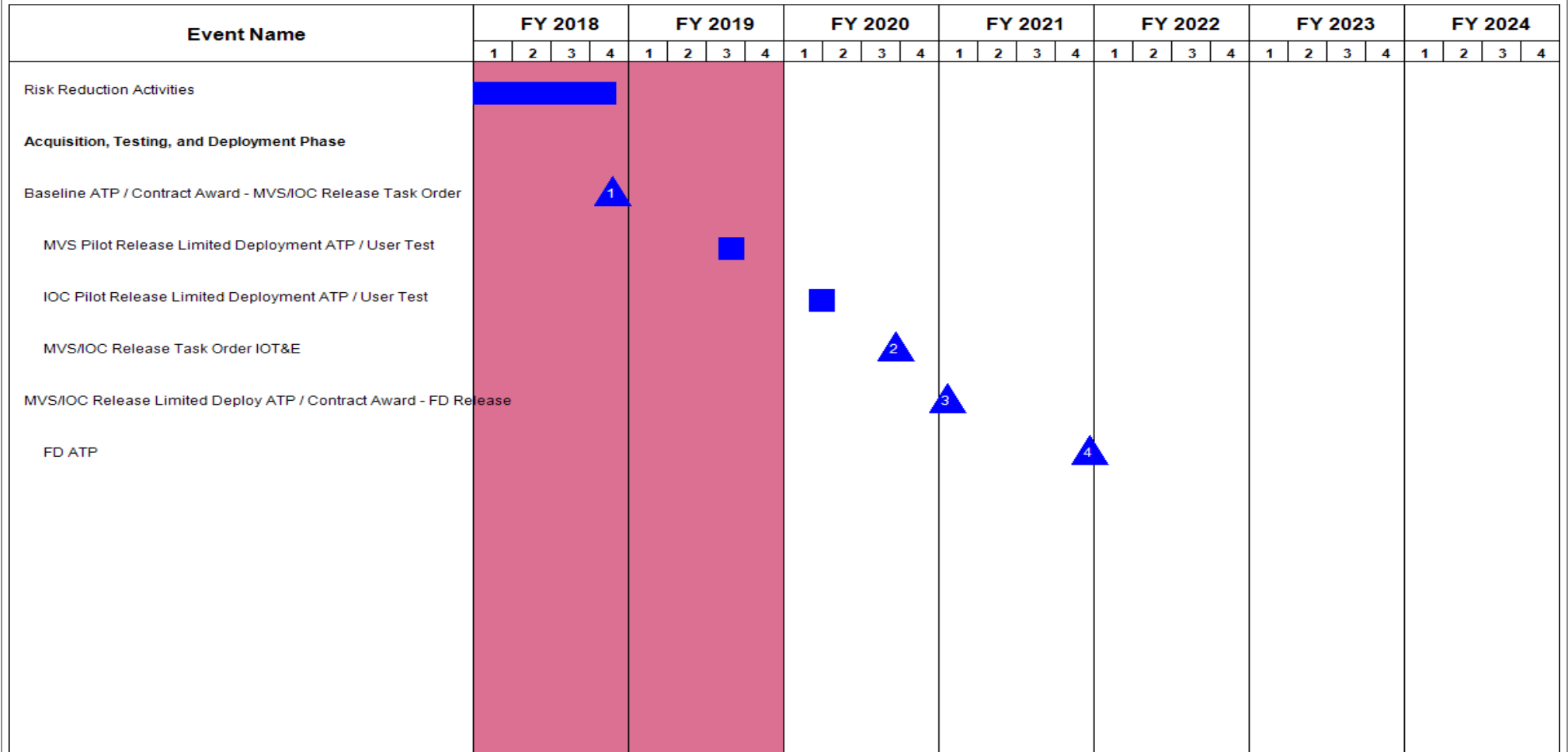
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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
Appropriation/Budget Activity 2040 / 5						R-1 Program Element (Number/Name) PE 0605047A / Contract Writing System				Project (Number/Name) FA7 / Contract Writing System					
Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	MIPR	ATEC : TBD	-	0.200		1.000	Oct 2018	2.500	Oct 2019	-		2.500	0.000	3.700	-
Subtotal			-	0.200		1.000		2.500		-		2.500	0.000	3.700	N/A
Remarks															
FY20 projected costs include integrated testing activities with ATEC and JTIC for the the two pilot sites in order to achieve a Limited Deployment decision(s).															
			Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			19.868	19.574		41.876		19.682		-		19.682	0.000	101.000	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army	Date: March 2019
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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>
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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army			Date: March 2019
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>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Risk Reduction Activities	3	2017	4	2018
Acquisition, Testing, and Deployment Phase	3	2016	2	2022
Baseline ATP / Contract Award - MVS/IOC Release Task Order	4	2018	4	2018
MVS Pilot Release Limited Deployment ATP / User Test	3	2019	3	2019
IOC Pilot Release Limited Deployment ATP / User Test	1	2020	2	2020
MVS/IOC Release Task Order IOT&E	3	2020	3	2020
MVS/IOC Release Limited Deploy ATP / Contract Award - FD Release	1	2021	1	2021
FD ATP	4	2021	4	2021

Note

Then program tailored the BCAC process by adding a Baseline Authority to Proceed with the MDA to review the results of the Preliminary Design Review and obtain approval of the cost, schedule and performance baseline for Task Order 0002.