

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Army **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>
--	--

COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	40.341	17.082	22.860	-	22.860	18.363	0.000	0.000	0.000	0.000	98.646
FA7: <i>Contract Writing System</i>	-	40.341	17.082	22.860	-	22.860	18.363	0.000	0.000	0.000	0.000	98.646

**Note**

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 initial DoD guidance 21 October 2011, which directed the Services to develop a new contract writing system. Since awarding a contract to CGI Federal Inc. on 22 May 2017, the program completed risk reduction that aligned Army's business processes to the selected commercial-off-the-shelf (COTS) product, and reduced unnecessary requirements and interfaces. The program conducted a successful Baseline Authority to Proceed (ATP) decision on 18 August 2018, 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 during FY 2020, and achieve Initial Operational Capability (IOC) NLT 4QFY2020. If the full capability is not fully deployed by the end of FY 2023, the Army will incur the full SPS bill (\$14M+/ year). ACWS will also enable the decommission of the Procurement Automated Data and Document System (PADDS) and Virtual Contracting Enterprise (VCE) systems.

ACWS was approved by The Under Secretary of Defense for Acquisition and Sustainment (USD (A&S)) as a pilot program supporting the FY 2018 National Defense Authorization Act (NDAA) Section 873 Agile Pilots. The ACWS Agile 873 pilot Realignment Plan was approved 2QFY2019 and cites duration of the Program as five years through Full Deployment. As part of the Sec 873 activities ACWS is realigning and restructuring prior to the Full Deployment (FD) to include a contract structure that enables Agile best practices and incremental capability delivery to the field. ACWS will support OSD requirements to quickly identify Agile development lessons learned, reduce procedural delays, improve policy, and enhance workforce training. Sec 873 Pilot Programs are intended to provide programs the opportunity to restructure in order to streamline contract and acquisition approaches, and tear down barriers to agile development without penalty. The process allows the Army ability to analyze and prioritize requirements to enable deployable product on demand, the cadence and content of system documentation and programmatic reviews, and a transparent culture in a blended government-system integrator team. ACWS participates in the 873 Community of Practice (CoP), sharing and utilizing lessons learned, shaping agile policy, processes, and tools for DoD.

During FY 2020, ACWS will coordinate with the Navy's eProcurement System (ePS) team to identify and implement efficiencies; the two teams will continue implementing those plans during FY 2021, including using combined buying power for potential economies of scale for license purchases.

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Army **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>
--	--

FY 2021 RDTE Funding will support the development of Full Deployment (FD) functionality of ACWS. ACWS will continue/initiate development of capabilities including integration with the Logistics Modernization Program (LMP), important contracting functions to manage complex weapons procurements, and other key system interfaces and functionality. Business system interfaces will be developed with these key partners to complete system development.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
Previous President's Budget	41.876	19.682	13.034	-	13.034
Current President's Budget	40.341	17.082	22.860	-	22.860
Total Adjustments	-1.535	-2.600	9.826	-	9.826
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-2.600			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-1.535	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	9.826	-	9.826

**Change Summary Explanation**

The original ACWS schedule showed two major software releases to deliver the Army Contract Writing capability and retire three legacy contract writing systems/ tools by FY2023 (SPS/ PADDs/ VCE). ACWS changed its schedule and approach in July 2018 to better align with its funding profile and the outcome of POM20-24. Adjusting to this funding profile, ACWS revised their schedule to deliver three incremental capabilities (Minimal Viable Solution [MVS], Initial Operating Capability [IOC], and Full Deployment [FD]). These changes, coupled with the risk reduction task order resulting in refined requirements, drive the increase in FY2021. The President's FY2020 budget marks ACWS by \$2.6 million.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Army										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 2040 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>				<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
FA7: <i>Contract Writing System</i>	-	40.341	17.082	22.860	-	22.860	18.363	0.000	0.000	0.000	0.000	98.646
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 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 initial DoD guidance 21 October 2011, which directed the Services to develop a new contract writing system. Since awarding a contract to CGI Federal Inc. on 22 May 2017, the program completed risk reduction that aligned Army's business processes to the selected commercial-off-the-shelf (COTS) product, and reduced unnecessary requirements and interfaces. The program conducted a successful Baseline Authority to Proceed decision on 18 August 2018, 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 during FY 2020, and achieve Initial Operational Capability (IOC) NLT 4QFY2020. If the full capability is not fully deployed by the end of FY 2023, the Army will incur the full SPS bill (\$14M+/ year). ACWS will also enable the decommission of the Procurement Automated Data and Document System (PADDS) and Virtual Contracting Enterprise (VCE) systems.

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 ACWS Agile 873 pilot Realignment Plan was approved 2QFY2019 and cites duration of the Program as five years through Full Deployment. As part of the Sec 873 activities ACWS is realigning and restructuring prior to Full Deployment that 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 requirement to quickly identify lessons learned, reduce procedural delays, improve policy, and enhance workforce training. Sec 873 provides programs the opportunity to restructure in order to streamline contract and acquisition approaches and tear down barriers to agile development without penalty. The process allows the Army ability to analyze and prioritize requirements to enable deployable product on demand, the cadence and content of system documentation and programmatic reviews, and a transparent culture in a blended government-system integrator team as the program realigns to the Agile development methodology. ACWS participates in the 873 Community of Practice, sharing and utilizing lessons learned, shaping agile policy, processes, and tools for DoD. During FY 2020, ACWS will coordinate with the Navy's eProcurement System (ePS) team to identify and implement (where practical) additional areas for potential synergies and cost savings; the two team will continue implementing those plans during FY 2021.

FY 2021 funding will support development and test of Full Deployment (FD) functions of ACWS. ACWS will continue/initiate development of capabilities including integration with the Logistics Modernization Program, important contracting functions to manage complex weapons procurements, and other key system interfaces and functionality. Business system interfaces will be developed with these key partners to complete system development. FY 2021 funding will support these key development efforts to meet the FD ATP in 2QFY2022.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Army		<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<p><b>Title:</b> Program Office</p> <p><b>Description:</b> These resources in the ACWS Program Management Office include Government and contractor support for capability development, enterprise architecture, contract management, management analysis, capital/ financial planning, travel, supplies, life cycle planning, risk management, schedule management, and facilities (for both Government and contractor staff).</p> <p><b>FY 2020 Plans:</b> 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.</p> <p><b>FY 2021 Plans:</b> Program management support in the ACWS Government Program Management Office includes Mitre, CECOM, DASA(P), and other contractor support for resource planning, capability development, life cycle planning, risk management, schedule management, and facilities.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Program Office costs remain in line with plan during product development; however, for the purpose of these justification forms, beginning for the FY 2021 submission the costs have been broken out into more defined work efforts to give more fidelity into the FY 2021 request (and beyond).</p> <p>FY 2021 is expected to decrease as the program moves into the design, development, and test of its final release. The largest need for design and planning coordination came during the Initial Operational Capability release that reached limited deployment during FY 2020.</p>		7.786	5.906	4.533
<p><b>Title:</b> Product Development</p> <p><b>Description:</b> Product development is responsible for design and development of ACWS. This cross-functional team of Government and contractor staff analyze and design the Minimum Viable Solution, Initial Operational Capability, and Full Deployment requirements to efficiently ensure completeness in satisfying system requirements. Hosting infrastructure (using Infrastructure as a Service [IaaS]) and managed services are also included as a requirement of the ACWS product.</p> <p><b>FY 2020 Plans:</b></p>		30.041	6.988	16.656

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Army		<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<p>Activities going on in FY 2020 include adding critical system interface functionality necessary to retire legacy SPS and PADDs (the current operational contracting systems used by the Army). The ACWS team will work with the System Integrator feature teams to make configurations to the base COTS product specific to ACWS requirements and integration of third party software.</p> <p><b>FY 2021 Plans:</b> Activities going on in FY 2021 include adding complex weapon system procurement and foreign military sales functionality necessary to retire legacy SPS and PADDs (the current operational contracting systems used by the Army). The ACWS team will work with the System Integrator feature teams to make configurations to the base COTS product specific to ACWS requirements and integration of third party software. Work associated with legacy contracting data migration and conversion into ACWS is also covered under this section.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Product Development costs remain in line with plan during product development; however, for the purpose of these justification forms, beginning for the FY 2021 submission the costs have been broken out into more defined work efforts to give more fidelity into the FY 2021 request (and beyond).</p> <p>Product Development in FY 2021 increases as the program begins to develop and test complex interfaces and functionality during the Full Deployment release.</p>				
<p><b>Title:</b> Security</p> <p><b>Description:</b> 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) awarded in FY 2019.</p> <p><b>FY 2020 Plans:</b> 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.</p> <p><b>FY 2021 Plans:</b> 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 2021.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b></p>		1.507	1.206	0.753

**UNCLASSIFIED**

**Exhibit R-2A, RDT&E Project Justification:** PB 2021 Army **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2019	FY 2020	FY 2021
ACWS Security costs remain in line with plan during product development; however, for the purpose of these justification forms, beginning for the FY 2021 submission the costs have been broken out into more defined work efforts to give more fidelity into the FY 2021 request (and beyond).			
Security costs decrease in FY 2021 because most initial security controls for the system were established and validated during the Initial Operational Capability release deployed during FY 2020.			
<p><b>Title:</b> Test &amp; Evaluation</p> <p><b>Description:</b> The test and evaluation function is responsible for validating and inspecting capability requirements 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><b>FY 2020 Plans:</b> Army Test and Evaluation Command (ATEC) and Joint Interoperability Test Command (JITC) testing for ACWS Initial Operational Capability (IOC) release.</p> <p><b>FY 2021 Plans:</b> Army Test and Evaluation Command (ATEC) and Joint Interoperability Test Command (JITC) testing for ACWS Full Deployment release.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Costs have been broken out into more defined work efforts to give more fidelity into the FY 2021 request.</p>	1.007	2.206	0.918
<p><b>Title:</b> FY 2020 SBIR/STTR Transfer</p> <p><b>Description:</b> Funding transferred in accordance with Title 15 USC ?638</p> <p><b>FY 2020 Plans:</b> Funding transferred in accordance with Title 15 USC ?638</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Funding transferred in accordance with Title 15 USC ?638</p>	-	0.776	-
<b>Accomplishments/Planned Programs Subtotals</b>	40.341	17.082	22.860

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2021</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
			<b>Base</b>	<b>OCO</b>	<b>Total</b>						
• B66001: <i>Contract Writing System</i>	5.927	6.000	8.459	-	8.459	5.821	-	-	-	0.000	26.207

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Army	<b>Date:</b> February 2020
--	----------------------------

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

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

<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u> <u>Base</u>	<u>FY 2021</u> <u>OCO</u>	<u>FY 2021</u> <u>Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OMA - ERPB / 423612000 / 5T0: ACWS Sustainment OMA	-	-	7.347	-	7.347	12.993	10.773	6.611	6.620	0.000	44.344

**Remarks**

FY 2021 base procurement funds in the amount of \$3.766 million to procure requisite ACWS software licenses for Full Deployment (FD) as the solution will ultimately support 10,000 Army users across the world. OPA funds of \$4.693 million support pre-deployment activities including training and deployment teams for the FD Release which will be deployed in first quarter FY2021 and run throughout the year. Funding also supports system fielding activities including training, deployment, and Organization Change Management (Soldier Touchpoints).

FY 2021 OMA funding will be used for sustainment of sites that have already been deployed in FY 2020 and FY 2021.

**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 conducted risk reduction activities concurrent with development of regulatory and statutory documentation requirements. These activities were conducted for the purpose of meeting the OSD goals to sunset Standard Procurement System (SPS) in FY 2023. Risk reduction activities include Business Process Reengineering, Global Analysis, Blueprinting, Role Design, and Interface Definition. Following risk reduction, ACWS baselined the program at the IOC Authorization to Proceed (ATP), and developed initial software release interfaces (part of the Minimum Viable Solution release). Task Order 0002 was issued in August 2018 for the design, development, and testing of the Minimum Viable Solution and Initial Operational Capability releases. Task Order 0003 was issued for the purpose of acquiring and maintaining user licenses. During FY 2020, ACWS plans to issue the next Task Order for Deployment and Fielding of the solution through FY 2021.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Army** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

<b>Management Services (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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	13.239	7.786	Oct 2018	5.906	Oct 2019	4.533	Oct 2020	-		4.533	0.000	31.464	-
FY 2020 SBIR/STTR Transfer	TBD	Various : Various	-	-		0.776		-		-		-	0.000	0.776	-
<b>Subtotal</b>			13.239	7.786		6.682		4.533		-		4.533	0.000	32.240	N/A

**Remarks**  
FY2021 projected costs include PMO contractor support labor, HW/SW tools, supplies, facility updates, and travel expenses.

<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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	Option/ Various	CGI Federal : Arlington, VA	24.503	30.041	Oct 2018	6.988	Oct 2019	16.656	Oct 2020	-		16.656	0.000	78.188	-
<b>Subtotal</b>			24.503	30.041		6.988		16.656		-		16.656	0.000	78.188	N/A

**Remarks**  
FY2021 projected costs include the development of the FD Release capability. Hosting infrastructure (using Infrastructure as a Service [IaaS]) and managed services are also included as a requirement on the ACWS Product Development System Integrator contract with CGI Federal.

<b>Support (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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	Option/ Various	CGI Federal & PdM ACWS : ARL CSSP in AWS GovCloud West	1.500	1.507	Oct 2018	1.206	Oct 2019	0.753	Oct 2020	-		0.753	0.000	4.966	-
<b>Subtotal</b>			1.500	1.507		1.206		0.753		-		0.753	0.000	4.966	N/A

**Remarks**  
FY2021 projected costs include Information Assurance (IA)/ Risk Management Framework (RMF) activities, and required services from a Cyber Security Support Provider (Army Research Lab) for the Cloud Solution Provider's government approved hosting environment.

**UNCLASSIFIED**

**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Army** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

Test and Evaluation (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 : TBD	0.200	1.007	Oct 2018	2.206	Oct 2019	0.918	Oct 2020	-		0.918	0.000	4.331	-
<b>Subtotal</b>			0.200	1.007		2.206		0.918		-		0.918	0.000	4.331	N/A

**Remarks**  
FY2021 projected costs include integrated testing activities with the Army Test and Evaluation Command (ATEC) and the Joint Interoperability Test Command (JITC) to achieve a Full Deployment decision(s).

	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	39.442	40.341	17.082	22.860	-	22.860	0.000	119.725	N/A

**Remarks**

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2021 Army** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

Event Name	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
<b>Acquisition, Testing, and Deployment Phase</b>																												
IOC Design, Development, and Test																												
MVS Pilot Release Limited Deployment ATP																												
MVS/IOC IOT&E																												
IOC Pilot Release Limited Deployment ATP																												
MVS/IOC Release Limited Deploy ATP / Contract Award - FD Release																												
Full Deployment Design, Development, and Test																												
FD FOT&E Complete																												
FD ATP																												
Fielding and Deployment																												
IOC Sustainment Task Order																												
System Sustainment Task Order (Long Term)																												

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2021 Army **Date:** February 2020

<b>Appropriation/Budget Activity</b> 2040 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0605047A / <i>Contract Writing System</i>	<b>Project (Number/Name)</b> FA7 / <i>Contract Writing System</i>
--	--	--

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	2	2022
IOC Design, Development, and Test	4	2018	4	2020
Baseline ATP / Contract Award - MVS/IOC Release Task Order	4	2018	4	2018
MVS Pilot Release Limited Deployment ATP	2	2020	2	2020
MVS/IOC IOT&E	4	2020	4	2020
IOC Pilot Release Limited Deployment ATP	4	2020	4	2020
MVS/IOC Release Limited Deploy ATP / Contract Award - FD Release	1	2021	1	2021
Full Deployment Design, Development, and Test	4	2020	4	2022
FD FOT&E Complete	3	2022	3	2022
FD ATP	2	2022	2	2022
Fielding and Deployment	1	2021	4	2023
IOC Sustainment Task Order	1	2021	4	2021
System Sustainment Task Order (Long Term)	1	2022	4	2025