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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2022 Defense Information Systems Agency **Date:** May 2021

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 8: Software and Digital Technology Pilot Programs</i>	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	75.750	32.774	-	32.774	-	-	-	-	Continuing	Continuing
CC01: <i>Global Command</i>	0.000	0.000	75.750	32.774	-	32.774	-	-	-	-	Continuing	Continuing

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

The Global Command and Control System-Joint (GCCS-J) is the Joint C2 system of record and an essential component for successful implementation of the operational concepts of dominant maneuver, precision engagement, full-dimension protection, and focused logistics. It provides an integrated near real time picture of the battlespace to support joint and multinational operations on US and coalition networks. GCCS-J provides air, maritime, ground, space and cyber tracks for US, coalition, and enemy forces. It also provides applications for situational awareness, missile warning, intelligence, targeting, imagery exploitation, and applications for modeling chemical, biological, radiological, and nuclear (CBRN) hazard areas and effects. GCCS-J is used by key decision makers at the strategic national, strategic theater, and operational levels. Additionally, GCCS-J is used by all nine combatant commands (COCOMs) at sites around the world, supporting joint and coalition operations. The GCCS Family of Systems (FoS) (i.e. the military services) use components of GCCS-J to build their Service unique variants. Beginning in FY 2021, the GCCS-J was approved and will be funded in the Software & Digital Technology Pilot Program under a new Budget Activity ("BA 8") in existing Research, Development, Testing & Evaluation (RDT&E) appropriations. Approved pilot programs will have all funding realigned to discrete Program Elements in BA 8 under each Components RDT&E appropriation. This new pilot program was established in response to Section 872 of the National Defense Authorizations Act (NDAA) for FY 2018 (P.L. 115-91) in an effort to "streamline DoD software development and acquisition regulations."

**B. Program Change Summary (\$ in Millions)**

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022 Base</u>	<u>FY 2022 OCO</u>	<u>FY 2022 Total</u>
Previous President's Budget	0.000	86.750	37.928	-	37.928
Current President's Budget	0.000	75.750	32.774	-	32.774
Total Adjustments	0.000	-11.000	-5.154	-	-5.154
• Congressional General Reductions	-	-11.000			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment	-	-	-5.154	-	-5.154

**Change Summary Explanation**

The decrease of -\$5.154 in FY 2022 is the result of the re-phasing that will decrease the GCCS-J support to Joint All-Domain Command and Control (JADC2) efforts.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Defense Information Systems Agency										<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 0400 / 8					<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>				<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
CC01: <i>Global Command</i>	0.000	0.000	75.750	32.774	-	32.774	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Global Command and Control System-Joint (GCCS-J) is the Joint C2 system of record and an essential component for successful implementation of the operational concepts of dominant maneuver, precision engagement, full-dimension protection, and focused logistics. It provides an integrated near real time picture of the battlespace to support joint and multinational operations on US and coalition networks. GCCS-J provides air, maritime, ground, space and cyber tracks for US, coalition, and enemy forces. It also provides applications for situational awareness, missile warning, intelligence, targeting, imagery exploitation, and applications for modeling chemical, biological, radiological, and nuclear (CBRN) hazard areas and effects. GCCS-J is used by key decision makers at the strategic national, strategic theater, and operational levels. Additionally, GCCS-J is used by all nine combatant commands (COCOMs) at sites around the world, supporting joint and coalition operations. The GCCS Family of Systems (FoS) (i.e. the military services) use components of GCCS-J to build their Service unique variants. Beginning in FY 2021, the GCCS-J was approved and will be funded in the Software & Digital Technology Pilot Program under a new Budget Activity ("BA 8") in existing Research, Development, Testing & Evaluation (RDT&E) appropriations. Approved pilot programs will have all funding realigned to discrete Program Elements in BA 8 under each Components RDT&E appropriation. This new pilot program was established in response to Section 872 of the National Defense Authorizations Act (NDAA) for FY 2018 (P.L. 115-91) in an effort to "streamline DoD software development and acquisition regulations."

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

	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<b>Title:</b> Development and Strategic Planning	-	75.750	32.774
<p><b>Description:</b> Develop, publish, and execute a GCCS-J migration and modernization strategy that achieves the following GCCS-J Modernization objectives in accordance with Joint C2 Mission operational priorities and the DoD's JC2 Reference Architecture:</p> <ul style="list-style-type: none"> <li>• Continue to decompose applicable existing applications into services</li> <li>• Limit local deployment and move as much to the enterprise as possible</li> <li>• Continue to expose data and scale services to support an enterprise implementation</li> <li>• Continue to evolve more economical hardware and software architecture without impact to the operational user or Family of Systems (FoS)/interface partners</li> <li>• Reduce overall sustainment cost through use of more cost effective and appropriate Commercial-off-the-Shelf (COTS) and Hardware (HW) products</li> <li>• Evolve to use of agile development practices</li> <li>• Consolidation of clients and tools</li> </ul>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Defense Information Systems Agency	<b>Date:</b> May 2021
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<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
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<p><b>FY 2021 Plans:</b> Cyber security analysis is an ongoing aspect of the software lifecycle required to keep the system securely deployed. Continue to maintain the synchronization across DOD of GCCS-J, joint interfaces and the GCCS Family of Systems; continue to deliver capabilities as prioritized by the warfighter; and meet emerging operational priorities.</p> <p>Continue the development of the GCCS-JE Framework to meet the programs Initial Operational Capability. In addition we will execute a development, integration and sustainment contract that will develop the functional capability that will be integrated in the framework design and sustain the capability as it is operationally deployed to the warfighter.</p> <p><b>FY 2022 Plans:</b> FY 2022 O&amp;M Plans: \$21.375 Continue to support the Operational Community by incrementally developing, testing, and fielding additional GCCS-J 6.0.x and GCCS-J 6.1.x capabilities, as identified and prioritized by the Joint Staff (JS) and User community. Also, continue to address missile warning requirements as defined in the Global Threat Characterization Assessment (GTCA); complete the implementation of the full set of Link 16 requirements in the Link Processing Capability (LPC) application; and address additional high priority items from the Joint Staff "Top 10" list of requirements. Continue to support / fund GCCS-J certification and accreditation activities to include GCCS-J v6.0 reaccreditation; GCCS-J v6.1 accreditation (new); and GCCS-J Enterprise Baseline accreditation (new). Additionally, continue to fund software licenses for the Joint Staff critical sites, as required.</p> <p>FY 2022 RDT&amp;E Plans: \$11.399 Continue the GCCS-J modernization activities that began in FY21 to include: developing, testing, and deploying additional GCCS-J Web client capabilities; support the Joint All Domain Command and Control (JADC2) campaign and series of modernization experiments designed to "increase interoperability, situational awareness and lethality that will enable any shooter, with any sensor, through any C2 node, in near-real time to employ joint and mission partner effects"; continue IPv6 compliance work to achieve DoD's IPv6 compliance objective; and develop and deploy GCCS-J web client capabilities and backend services to a SIPR cloud environment (e.g. Amazon Web Services, and Microsoft AZURE).</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> The decrease of -\$42.976 from FY 2021 to FY 2022 is due to the required payback of funds provided via the 2016 GCCS-J Recapitalization Business Case Analysis to modernize GCCS-J and move to an enterprise deployment. The existing and unmitigated program risk of no modernization funding in FY 2022 results in ceasing current modernization efforts in FY</p>			
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
2020-2021, as there would be insufficient funding starting in FY 2022 and out to host and maintain any enterprise capability (e.g., GCCS-J web application).			
<b>Accomplishments/Planned Programs Subtotals</b>	-	75.750	32.774

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• PE 0303150K: <i>Operation &amp; Maintenance, Defense-Wide</i>	0.000	27.426	26.829	-	26.829	-	-	-	-	Continuing	Continuing

**Remarks**

**D. Acquisition Strategy**

Use of performance-based contract awards is maximized while use of Time and Material contracts is minimized to those providing programmatic support versus software development, integration, or testing. All development, integration, and migration efforts within the portfolio are primarily supported through Cost Reimbursable Task Orders issued under competitively awarded contracts. Acquisition Strategies are structured to retain contractors capable of satisfying cost, schedule, and performance objectives. Contract awards incorporate provisions requiring contractors to establish and manage specific earned value data. This strategy mitigates risk by requiring monthly Contract Performance Reviews (CPRs) and utilizing award fee contracts where appropriate to incentivize performance. GCCS-J applies formal acquisition rigor to include reporting requirements, as appropriate, by acquisition program designation.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Defense Information Systems Agency** **Date:** May 2021

<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>
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<b>Product Development (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	C/CPFF	NMGS: GCCS-J Sustainment : Reston, VA	-	-		38.400	Dec 2020	18.993	Dec 2021	-		18.993	Continuing	Continuing	-
Product Development	C/CPFF	C2 Systems Engineering : TBD	-	-		4.200	Dec 2021	1.944	Feb 2022	-		1.944	Continuing	Continuing	-
Product Development	C/CPFF	GCCS-J Development : TBD	-	-		16.575	Jan 2021	-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Configuration Management : Montgomery	-	-		1.000	Oct 2020	1.040	Oct 2021	-		1.040	Continuing	Continuing	-
Product Development	C/FFP	Milcloud Hosting : TBD	-	-		3.000	Jan 2021	-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance GEMFIRE : TBD	-	-		1.214	Apr 2021	-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: VMWare : TBD	-	-		0.150	Apr 2021	0.148	Apr 2022	-		0.148	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Redhat : TBD	-	-		0.487	Dec 2020	0.565	Dec 2021	-		0.565	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance Sybase : TBD	-	-		0.652	Sep 2021	0.663	Sep 2022	-		0.663	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance : TBD	-	-		2.500	Jan 2021	-		-		-	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Oracle WebLogic : TBD	-	-		-		0.806	Jan 2022	-		0.806	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Oracle JAVA JELA : TBD	-	-		-		0.059	Sep 2022	-		0.059	Continuing	Continuing	-

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<b>Product Development (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	C/FFP	Software Maintenance: Microfocus : TBD	-	-		-		0.084	Mar 2022	-		0.084	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: ForgeRock : TBD	-	-		-		0.048	May 2022	-		0.048	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Microsoft JELA : TBD	-	-		-		0.031	Nov 2021	-		0.031	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: VEEAM : TBD	-	-		-		0.016	Mar 2022	-		0.016	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Fortify : TBD	-	-		-		0.088	Dec 2021	-		0.088	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: JIRA : TBD	-	-		-		0.039	Dec 2021	-		0.039	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Crunchy PostGresSQL : TBD	-	-		-		0.097	Jul 2022	-		0.097	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Risk Radar : TBD	-	-		-		0.018	Jul 2022	-		0.018	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: NetApp : TBD	-	-		-		0.230	Jul 2022	-		0.230	Continuing	Continuing	-
Product Development	C/FFP	Software Maintenance: Solarwinds and Flexera (CC) : TBD	-	-		-		0.006	Jun 2022	-		0.006	Continuing	Continuing	-

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<b>Product Development (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	C/FFP	HW Maintenance: CISCO JELA : TBD	-	-		-		0.035	Jun 2022	-		0.035	Continuing	Continuing	-
Product Development	C/FFP	HW Maintenance: Sun : TBD	-	-		-		0.414	Feb 2022	-		0.414	Continuing	Continuing	-
<b>Subtotal</b>			-	-		68.178		25.324		-		25.324	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
Support Cost	C/FFP	TBD : TBD	-	-		1.300	May 2021	-		-		-	Continuing	Continuing	-
Support: SD Program Management Support	C/FFP	Strategic Alliance Business Group : Ft Meade	-	-		-		0.920	Aug 2022	-		0.920	Continuing	Continuing	-
Support: GM&A (Travel, Training, Laptops, Credit Card, etc.)	C/FFP	Various : Ft Meade	-	-		-		0.495	Oct 2021	-		0.495	Continuing	Continuing	-
Support: Mobility PDC - EWMB97	MIPR	DISA : Ft Meade	-	-		-		0.057	Oct 2021	-		0.057	Continuing	Continuing	-
Support: Naval Information Warfare Center (NIWC) Atlantic	MIPR	NIWC : Various	-	-		-		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	-		1.300		1.472		-		1.472	Continuing	Continuing	N/A

<b>Test and Evaluation (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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 & Evaluation	MIPR	JITC : Various	-	-		2.500	Oct 2020	0.218	Oct 2021	-		0.218	Continuing	Continuing	-

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<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>
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<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2020</b>		<b>FY 2021</b>		<b>FY 2022 Base</b>		<b>FY 2022 OCO</b>		<b>FY 2022 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Test & Evaluation	MIPR	DAA : STRATCOM:Various	-	-		0.672	Oct 2020	0.896	Oct 2021	-		0.896	Continuing	Continuing	-
Test & Evaluation	MIPR	RME : Variuos	-	-		2.500	Oct 2020	0.888	Oct 2021	-		0.888	Continuing	Continuing	-
Test & Evaluation	MIPR	DISA Circuit: PDC WHPP : Ft Meade	-	-		-		0.057	Oct 2021	-		0.057	Continuing	Continuing	-
Test & Evaluation	MIPR	Telecommunication Services: CDES FAA : TBD	-	-		-		0.081	Oct 2021	-		0.081	Continuing	Continuing	-
Test & Evaluation	MIPR	C2 Test and Evaluation - NEXTGEN : Various	-	-		-		2.985	Aug 2022	-		2.985	Continuing	Continuing	-
Test & Evaluation	MIPR	SD CyberSecurity Support - U.S. Army Combat Capabilities Development Command Data & Analysis Center : Various	-	-		-		0.557	Aug 2022	-		0.557	Continuing	Continuing	-
Test & Evaluation	MIPR	AIR FORCE RESEARCH LAB/ RIFB (AFRL) : Various	-	-		-		0.291	Oct 2021	-		0.291	Continuing	Continuing	-
Test & Evaluation	MIPR	FAA Feed, FAA NAS Defense Programs : Various	-	-		-		0.005	Oct 2021	-		0.005	Continuing	Continuing	-
<b>Subtotal</b>			-	-		5.672		5.978		-		5.978	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				<b>FY 2020</b>		<b>FY 2021</b>		<b>FY 2022 Base</b>		<b>FY 2022 OCO</b>		<b>FY 2022 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>			
Management Services	FFRDC	MITRE : Various	-	-		0.600	Oct 2020	-		-		-	Continuing	Continuing	-



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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2022 Defense Information Systems Agency		<b>Date:</b> May 2021
<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>

	FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
	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>Development and Strategic Planning</b>																												
Development and Strategic Planning																												
<b>Integration and Test</b>																												
Integration and Test																												
<b>Process Transformation</b>																												
Process Transformation																												
<b>Development Transformation</b>																												
Development Transformation																												
<b>Security Transformation</b>																												
Security Transformation																												
<b>UX Transformation</b>																												
UX Transformation																												
<b>Data Transformation</b>																												
Data Transformation																												
<b>Operations Transformation</b>																												
Operations Transformation																												
<b>Operational Web Client - IOC</b>																												
Operational Web Client - IOC																												
<b>Initial Enterprise Deployment</b>																												
Initial Enterprise Deployment																												
<b>ICSF Independence</b>																												
ICSF Independence																												
<b>GCCS-J Release v.6.1.0 - v6.1.X</b>																												
GCCS-J Release v.6.1.0 - v6.1.X																												

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2022 Defense Information Systems Agency **Date:** May 2021

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FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
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>Operational Web Client -FOC</b>	
Operational Web Client -FOC	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2022 Defense Information Systems Agency		<b>Date:</b> May 2021
<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Development and Strategic Planning</i></b>				
Development and Strategic Planning	1	2020	4	2021
<b><i>Integration and Test</i></b>				
Integration and Test	1	2020	4	2026
<b><i>Process Transformation</i></b>				
Process Transformation	3	2020	4	2021
<b><i>Development Transformation</i></b>				
Development Transformation	2	2020	4	2021
<b><i>Security Transformation</i></b>				
Security Transformation	3	2020	2	2022
<b><i>UX Transformation</i></b>				
UX Transformation	2	2020	4	2026
<b><i>Data Transformation</i></b>				
Data Transformation	2	2020	4	2026
<b><i>Operations Transformation</i></b>				
Operations Transformation	2	2020	4	2026
<b><i>Operational Web Client - IOC</i></b>				
Operational Web Client - IOC	1	2021	4	2021
<b><i>Initial Enterprise Deployment</i></b>				
Initial Enterprise Deployment	1	2021	3	2021
<b><i>ICSF Independence</i></b>				

**UNCLASSIFIED**

**Exhibit R-4A, RDT&E Schedule Details:** PB 2022 Defense Information Systems Agency **Date:** May 2021

<b>Appropriation/Budget Activity</b> 0400 / 8	<b>R-1 Program Element (Number/Name)</b> PE 0303150K / <i>Global Command and Control System Software and Digital Technology Pilot Programs</i>	<b>Project (Number/Name)</b> CC01 / <i>Global Command</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
ICSF Independence	1	2021	3	2023
<b><i>GCCS-J Release v.6.1.0 - v6.1.X</i></b>				
GCCS-J Release v.6.1.0 - v6.1.X	3	2021	4	2026
<b><i>Operational Web Client -FOC</i></b>				
Operational Web Client -FOC	1	2022	4	2026