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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Defense Information Systems Agency	Date: March 2019
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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0303150K / <i>Global Command and Control System</i>							
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	531.529	41.126	46.900	25.218	-	25.218	33.075	17.990	18.408	18.601	Continuing	Continuing
CC01: <i>Global Command and Control System-Joint (GCCS-J)</i>	531.529	41.126	46.900	25.218	-	25.218	33.075	17.990	18.408	18.601	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Global Command and Control System-Joint (GCCS-J) funds a Joint Command and Control (JC2) portfolio which includes: GCCS-J, Joint Planning and Execution Services (JPES), and JC2 Architecture.

The GCCS-J Program is the Department of Defense (DoD) Joint C2 system of record. It incorporates core planning and assessment tools required by Combatant Commanders and their subordinate Joint Task Force Commanders while meeting the readiness support requirements of the Services. GCCS-J is used by all nine Combatant Commands (COCOMs) at sites around the world, supporting joint and coalition operations. The Services rely heavily on GCCS-J components to reduce their command and control (C2) operational costs. It provides support for commanders and staffs as they conduct joint and multinational operations by providing a fused picture of the battle space within an integrated system that is supporting joint warfighter needs today. GCCS-J is currently focused on sustainment, synchronization, and modernization to meet emerging operational needs by modifying and enhancing elements or capabilities in order to implement new requirements, enhance functionality, increase efficiency and lower operating and deployment costs while taking advantage of the progress made by current operational systems and technologies. The GCCS-J program is also executing incremental modernization of C2 capabilities using the Joint Requirements Oversight Council (JROC) approved needs.

JPES is a portfolio of capabilities supporting joint policies, processes, procedures, and reporting structures. It is supported by communications and information technology used by the Joint Planning and Execution Community (JPEC). JPEC uses these capabilities to monitor the following activities: planning, execute mobilization, deployment, employment and sustainment, redeployment, and demobilization. At full maturity, the JPES capabilities will be integrated with other adaptive planning and execution systems to facilitate the rapid development and sustainment of plans and a seamless, dynamic transition to execution in a net-centric environment. One of the key capabilities residing within the JPES portfolio of sustaining the existing Joint Operational Planning and Execution System (JOPES) while modernization of JOPES is planned and implemented. The JPES portfolio also includes a core set of infrastructure services consisting of the JPES Framework (JFW) and a variety of mission applications to include Joint Force Projection (JFP), Joint Capabilities Requirements Manager (JCRM) and eventually the capabilities that will replace JOPES.

JC2 Architecture is a reference architecture that aligns closely to the DoD Information Enterprise Architecture. The JC2 Architecture describes architectural and operational concepts, technical constructs, and is a repository for valuable reference information relating to C2 standards and information security. It is the authoritative source of information and technical direction for the JC2 arena.

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B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	42.687	46.900	40.218	-	40.218
Current President's Budget	41.126	46.900	25.218	-	25.218
Total Adjustments	-1.561	0.000	-15.000	-	-15.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.262	-			
• Adjustment	-0.299	-	-15.000	-	-15.000

Change Summary Explanation

The decrease of -\$1.561 in FY 2018 is due to SBIR/STTR transfer (-\$1.262) and a 25-28% reduction of the operational capabilities requested by the user community (-\$0.299) . 6.0.1.0 reached FOC in 1st quarter FY19, with capabilities that are equal or slightly better than the previous version 4.3 (to be sunset FY 19/20); there was/is additional operational capabilities identified by the user community (COCOMS and Services) to be built based on changing/emerging threats. The decrease of -\$15.000 in FY 2020 is attributed to a program re-baseline due to contract delays for baseline infrastructure.

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Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0303150K / Global Command and Control System				Project (Number/Name) CC01 / Global Command and Control System-Joint (GCCS-J)			
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
CC01: Global Command and Control System-Joint (GCCS-J)	531.529	41.126	46.900	25.218	-	25.218	33.075	17.990	18.408	18.601	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Global Command and Control System – Joint (GCCS-J) is DoD’s Joint Command and Control (JC2) system of record and provides the foundation for migration of service-unique C2 systems into a Joint, interoperable environment. The Defense Information System Agency’s (DISAs) portfolio includes funding to support GCCS-J, Joint Planning and Execution Services (JPES), and the development and sustainment of the JC2 Architecture. GCCS-J incorporates the core planning and assessment tools required by combatant commanders and their subordinate Joint Task Force Commanders while meeting the readiness support requirements of the Services. Adaptive Planning and Execution Joint Planning Services are being developed to modernize the adaptive planning functions in a net centric environment. DISA continues to provide support for the operational system to ensure continued access to information integration and decision-support capabilities that enable the exercise of authority and direction over assigned and attached forces, in a net-centric, collaborative information environment. Additionally, DISA provides critical C2 capabilities to the Commander-in-Chief, Secretary of Defense, National Military Command Center, Combatant Commands (COCOMs), Joint Force Commanders, and Service Component Commanders.

JPES is a set of capabilities that address components of the DOD’s Adaptive Planning Roadmap (13 December 2005) and Adaptive Planning Roadmap II (5 March 2008). JPES produces enhancements to the Joint Operations Planning and Execution System (JOPES), focused adaptive planning capabilities, and provides a set of core infrastructure services necessary to provide the warfighter a fully interoperable environment where functionality can be easily added as mission needs dictate.

The JC2 Architecture is a foundational element of JC2 capabilities for the Department. The JC2 Architecture provides a set of net-centric tenets associated with data, functional service and the C2 infrastructure that describes architectural and operational concepts, technical constructs, and is a repository for valuable reference information relating to C2 standards and information security. Each year, the DISA architecture team produces a transitional architecture that documents the current state of C2 capabilities, anticipated changes/enhancements either in progress or planned by the JC2 community.

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

	FY 2018	FY 2019	FY 2020
Title: Development and Strategic Planning	25.860	41.622	20.286
Description: 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: <ul style="list-style-type: none"> • Continue to decompose applicable existing applications into services • Limit local deployment and move as much to the enterprise as possible • Continue to expose data and scale services to support an enterprise implementation 			

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Appropriation/Budget Activity 0400 / 7		R-1 Program Element (Number/Name) PE 0303150K / <i>Global Command and Control System</i>		Project (Number/Name) CC01 / <i>Global Command and Control System-Joint (GCCS-J)</i>	
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2018	FY 2019	FY 2020
<ul style="list-style-type: none"> • Continue to evolve more economical hardware and software architecture without impact to the operational user or Family of Systems (FoS)/interface partners • Reduce overall sustainment cost through use of more cost effective and appropriate Commercial-off-the-Shelf (COTS) and Hardware (HW) products • Evolve to use of agile development practices • Consolidation of clients and tools <p>FY 2019 Plans: Will modernize the current GCCS-J operational systems while maintaining synchronization across DoD of GCCS-J, joint interfaces and the GCCS Family of Systems, enhance the security posture of GCCS-J applications; and deliver and sustain the final installment of the GCCS-J "must-haves" capabilities. The GCCS-J "must haves" is the set of capabilities identified by the Joint Staff and C2 community as absolutely critical to allow GCCS-J sites to migrate away from the current costly legacy hardware and COTS platform to more cost effective solutions. The modernization effort will improve the current GCCS-J system's limitations and its ability to address current and projected cybersecurity and the increasing fragility of old code that puts the joint warfighter (front line to President) at risk jeopardizing operations and increasing fratricide risk.</p> <p>FY 2020 Plans: Cyber security analysis, research and development 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. Will continue the development work towards IOC and full operational capability (FOC) with the infrastructure framework, the software development kit (SDK) and system visualization. This will allow the FOC capabilities to build upon and interface with the framework.</p> <p>Additionally, start the FOC development with the following capabilities for the GCCS-JE System: - Data Management, Admin & Support, Situational Awareness, Mission Support, and Force Protection.</p> <p>FY 2019 to FY 2020 Increase/Decrease Statement: The decrease of -\$21.336 from FY 2019 to FY 2020 is due to deferred capability development of GCCS-JE requirements, to include Force Protection, Mission Preparation and Post Mission Support, delayed schedule for interface evolution and delivery of a critical enterprise cloud-based solution to the warfighter.</p>					
Title: Joint Planning and Execution Services (JPES)			15.266	5.278	4.932
Description: JPES is a collection of capabilities supporting joint policies, processes, procedures, and reporting structures, that are supported by communications and information technology used by the JPEC. JPEC uses these capabilities to monitor, plan, and					

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019	FY 2020
<p>execute: mobilization, deployment, employment, sustainment, redeployment, and demobilization activities associated with joint operations.</p> <p><i>FY 2019 Plans:</i> Continue to modernize JPES improving performance on the Framework, develop additional data services, develop additional enhancements to the user interface to support new user requirements.</p> <p><i>FY 2020 Plans:</i> Continue to maintain, fix and enhance performance on JPES, Newsgroups, JCRM and Preferred Forces Generation (PFG). and develop any additional data services.</p> <p><i>FY 2019 to FY 2020 Increase/Decrease Statement:</i> The decrease of -\$0.346 from FY 2019 to FY 2020 is due to completing the major workload to JOPES Modernization projects.</p>			
Accomplishments/Planned Programs Subtotals	41.126	46.900	25.218

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>
• PE 0303150K: <i>Operation & Maintenance, Defense-Wide</i>	82.207	92.415	93.315	-	93.315	90.559	-	-	-	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. Both GCCS-J and JPES apply formal acquisition rigor to include reporting requirements, as appropriate, by acquisition program designation.											
E. Performance Metrics											
Activity: Effectively communicate with external command and control systems											

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<p>FY 2018 (Actual): 100% successful test of new critical system interfaces, as well as continued 100% successful test of critical current system interfaces. MET: Successfully conducted critical interface testing during the GCCS-J 6.0.1.0 Operational Test and USINDOPACOM and USCENTCOM. Successfully tested and demonstrated the new Situational Awareness Services - Enhanced (SAS-E) capability and interface at USCENTCOM in 4Qtr FY18.</p> <p>FY 2019 (Estimated): Expected to Meet</p> <p>FY 2020 (Target): Expected to Meet</p> <p>Activity: Fuse select C2 capabilities into a comprehensive, interoperable system eliminating the need for inflexible, duplicative, stovepipe C2 systems.</p> <p>FY 2018 (Actual): Successful fielding of GCCS-J Global Release 6.X. MET: Successfully tested and released four GCCS-J 6.0.x.x releases in FY18 (6.0.0.6, 6.0.0.7, 6.0.0.8, and 6.0.0.9) -- each provided additional C2 capabilities to the warfighter.</p> <p>FY 2019 (Estimated): Expected to Meet</p> <p>FY 2020 (Target): Expected to Meet</p> <p>Activity: Development of JOPES Framework (JFW) Release 5</p> <p>FY 2018 (Actual): Successfully completed improvements/expansion of JPES Framework (JFW) services providing enhanced system administration tools for monitoring and managing the JFW infrastructure and new data services. Estimated: 95%</p> <p>FY 2019 (Estimated): Successfully complete improvements/expansion of JPES Framework (JFW) services providing enhanced system administration tools for monitoring and managing the JFW infrastructure and new data services. Estimated: 50%</p> <p>FY 2020 Target: Successfully complete improvements/expansion of JPES Framework (JFW) services providing enhanced system administration tools for monitoring and managing the JFW infrastructure and new data services. Estimated: 50%</p> <p>Activity: Modernize GCCS-J infrastructure components to reduce overall costs (COTS & HW), increase scalability and performance through shift to enterprise deployment. Reduce release cycles through agile development and deployment.</p> <p>FY 2018 (Actual): Achieve Fielding Decision Review (FDR) for Agile Client Release 8 (R8). Estimated: 100%. MET: Agile Client Release 8 successful released.</p> <p>FY 2019 (Estimated): Achieve Fielding Decision Review (FDR) for Data Virtualization Layer Phase II. FY19 Estimated: 100%</p> <p>FY 2020 Target: N/A; Not completed change of development strategy</p> <p>Activity: Incrementally Develop, Test, and Field GCCS-J 6.0.x "Critical Must Have" Capabilities to the 53 Critical Sites designated by the Joint Staff J3. FY19 - Release and deploy GCCS-J 6.0.1.0 to the operational community, satisfying 100% of the "Critical Must Have" capabilities.</p> <p>FY 2018 Target: N/A</p> <p>FY 2019 (Estimated): Expected to Meet</p> <p>FY 2020 (Estimated): Expected to Meet</p>		

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<p>Activity: Complete development and deployment of JOPES Modernization - JPES (Joint Planning & Execution System) Phase 1</p> <p>FY 2018 Target: Successful development of JPES and deployment to the milCloud 1.0 environment. Estimated: 86% / Actual 93.5%</p> <p>FY 2019 (Estimated): Successfully complete the development and deployment of JPES Phase 1; Achieve Fielding Decision Review (FDR) for JPES. Estimated: 100%</p> <p>FY 2020 (Estimated): Successfully deploy JPES to the milCloud 2.0 environment; Expected to meet</p> <p>Activity: Modernize GCCS-J To Provide a Cloud Based, Mobile, Enterprise Delivery of Legacy GCCS-J Capabilities (GCCS-J Enterprise). FY 19 - Field the GCCS-J Enterprise Initial Operating Capability.</p> <p>FY 2018 Target: N/A</p> <p>FY 2019 (Estimated): Expected to Meet</p> <p>FY 2020 (Estimated): Expected to Meet</p>		

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Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0303150K / Global Command and Control System				Project (Number/Name) CC01 / Global Command and Control System-Joint (GCCS-J)					
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 1	C/CPFF	NGMS : Reston, VA	20.289	-		-		-		-		-	0.000	20.289	-
Product Development 2	FFRDC	MITRE : McLean, VA	7.077	-		-		-		-		-	0.000	7.077	-
Product Development 3	SS/FFP	Dynamic Systems : Los Angeles, CA	3.189	-		-		-		-		-	0.000	3.189	-
Product Development 4	C/CPFF	Pragmatics : McLean, VA	31.239	-		-		-		-		-	0.000	31.239	-
Product Development 6	C/CPIF	BAH : McLean, VA	3.369	-		-		-		-		-	0.000	3.369	-
Product Development 7	C/CPIF	JPES Framework : Various	19.554	-		-		-		-		-	0.000	19.554	-
Product Development 8	C/CPFF	RTB Development : Various	13.116	-		-		-		-		-	0.000	13.116	-
Product Development 9	C/CPFF	IGS Development : Various	12.398	-		-		-		-		-	0.000	12.398	-
Product Development 10	C/CPFF	SAIC : Falls Church, VA	4.826	-		-		-		-		-	0.000	4.826	-
Product Development 11	MIPR	SSC : San Diego, CA	13.317	-		-		-		-		-	0.000	13.317	-
Product Development 12	C/CPFF	NGMS : Reston, VA	67.014	-		-		-		-		-	0.000	67.014	-
Product Development 13	MIPR	NGIT : Various	1.772	-		-		-		-		-	0.000	1.772	-
Product Development 14	C/CPFF	NGMS : Reston, VA	86.191	-		0.700	Oct 2018	0.700	Oct 2019	-		0.700	Continuing	Continuing	Continuing
Product Development 15	C/CPIF	Booz Allen Hamilton : McLean, VA	3.283	-		-		-		-		-	0.000	3.283	-
Product Development 16	C/CPFF	Booz Allen Hamilton : Various	3.685	-		-		-		-		-	0.000	3.685	-
Product Development 17	C/CPAF	Booz Allen Hamilton : Falls Church, VA	1.229	-		-		-		-		-	0.000	1.229	-
Product Development 18	C/CPAF	AB Floyd : Alexandria, VA	12.477	-		-		-		-		-	0.000	12.477	-
Product Development 19	C/CPAF	Femme Comp Inc : Chantilly, VA	7.249	-		-		-		-		-	0.000	7.249	-

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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 20	C/CPFF	SAIC : Falls Church, VA	5.876	-		-		-		-		-	0.000	5.876	-
Product Development 21	C/CPIF	Booz Allen Hamilton : McLean, VA	5.865	-		-		-		-		-	0.000	5.865	-
Product Development 22	MIPR	JDISS : Various	6.039	-		-		-		-		-	0.000	6.039	-
Product Development 23	C/FFP	NGMS : Reston, VA	4.790	-		-		-		-		-	0.000	4.790	-
Product Development 24	MIPR	SPAWAR : Charleston, SC	10.034	0.721	Sep 2018	-		1.681	Sep 2020	-		1.681	Continuing	Continuing	Continuing
Product Development 25	MIPR	Dept of Energy, Army Research Lab, PD Intelligence Fusion, GSA/FAS : Various	5.710	-		-		-		-		-	0.000	5.710	-
Product Development 26	C/CPAF	Tactical 3-D COP : Various	3.200	-		-		-		-		-	0.000	3.200	-
Product Development 27	SS/FFP	JITC : Various	20.400	-		-		-		-		-	0.000	20.400	-
Product Development 28	C/CPFF	JCRM : McLean, VA	8.600	-		-		-		-		-	0.000	8.600	-
Product Development 30	C/CPFF	Systems Engineering and Integration : Various	9.630	4.400	Sep 2018	4.200	Sep 2019	4.200	Sep 2020	-		4.200	Continuing	Continuing	Continuing
Product Development 31	C/Various	GCCS-J : Various	5.367	-		-		-		-		-	0.000	5.367	-
Product Development 32	C/CPFF	GCCS-JE Capabilities Development : Various	-	10.500	Feb 2018	11.500	Sep 2019	-		-		-	0.000	22.000	-
Product Development 33	C/Various	JPES : Various	4.673	-		-		-		-		-	0.000	4.673	-
Engineering Services and Integration 29	SS/FFP	GCCS-J : Various	6.782	-		-		-		-		-	0.000	6.782	-
I3 Engineering Services & SW Development	C/Various	NGIT : Various	1.811	-		-		-		-		-	0.000	1.811	-

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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 29	C/FFP	JOPES modernization : Washington, DC	10.248	-		-		-		-		-	0.000	10.248	-
Product Development 34	C/CPFF	JPES Solution : Falls Church, VA	0.000	7.400	Jan 2018	4.524	Jan 2019	6.374	Jan 2020	-		6.374	Continuing	Continuing	Continuing
Product Development	C/CPFF	GCCS-JE OTA : McLean, VA	0.000	16.005	Feb 2018	23.947	Feb 2019	8.579	Feb 2020	-		8.579	Continuing	Continuing	Continuing
Subtotal			420.299	39.026		44.871		21.534		-		21.534	Continuing	Continuing	N/A
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
Support 1	C/T&M	Oracle : Various	1.003	-		-		-		-		-	0.000	1.003	-
Support 2	C/CPFF	JC2 Common Interface : Various	4.808	-		-		-		-		-	0.000	4.808	-
Support Costs - Engineering Support 3	FFRDC	MITRE : Various	0.754	-		-		1.382	Nov 2019	-		1.382	Continuing	Continuing	Continuing
Support Costs - Engineering Support 4	C/CPFF	Pragmatics : McLean, VA	3.799	-		-		-		-		-	0.000	3.799	-
Support Costs - Engineering Support 5	C/CPFF	IPA : College Park, MD	0.283	-		-		-		-		-	0.000	0.283	-
Support Cost 6	C/FFP	STA : Falls Church, VA	2.772	-		-		-		-		-	0.000	2.772	-
Support Costs	C/CPFF	GCCS-J : Various	4.557	-		-		-		-		-	0.000	4.557	-
Support Cost 7	C/FFP	Pragmatics : McLean, VA	3.564	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			21.540	-		-		1.382		-		1.382	Continuing	Continuing	N/A

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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 & Evaluation 1	C/CPFF	SAIC : Falls Church, VA	0.744	-		-		-		-		-	0.000	0.744	-
Test & Evaluation 2	MIPR	JITC : Ft. Huachuca, AZ	31.065	1.500	Sep 2018	0.800	Oct 2018	1.700	Oct 2019	-		1.700	Continuing	Continuing	Continuing
Test & Evaluation 3	MIPR	DIA : Various	9.104	-		0.629	Jan 2019	-		-		-	Continuing	Continuing	Continuing
Test & Evaluation 4	MIPR	DAA : Various	3.752	0.600	Sep 2018	0.600	Sep 2019	0.602	Oct 2019	-		0.602	Continuing	Continuing	Continuing
Test & Evaluation 5	C/CPFF	SAIC : Falls Church, VA	9.681	-		-		-		-		-	0.000	9.681	-
Test & Evaluation 6	C/CPAF	SAIC : Falls Church, VA	23.133	-		-		-		-		-	0.000	23.133	-
Test & Evaluation 7	C/CPFF	Pragmatics : McLean, VA	0.308	-		-		-		-		-	0.000	0.308	-
Test & Evaluation 8	MIPR	JITC : Various	0.005	-		-		-		-		-	0.000	0.005	-
Test & Evaluation 9	MIPR	JITC : Various	0.897	-		-		-		-		-	0.000	0.897	-
Test & Evaluation 10	MIPR	DISA FSO : Various	1.059	-		-		-		-		-	0.000	1.059	-
Test & Evaluation 11	MIPR	TEMC Test Support : Various	0.229	-		-		-		-		-	0.000	0.229	-
Test & Evaluation 12	MIPR	DISA TEMC : Falls Church, VA	0.971	-		-		-		-		-	0.000	0.971	-
Test & Evaluation 13	MIPR	STRATCOM : Offut, NE	1.155	-		-		-		-		-	0.000	1.155	-
Test & Evaluation 14	MIPR	DISA FSO : Falls Church, VA	1.200	-		-		-		-		-	0.000	1.200	-
Test & Evaluation 15	C/CPFF	TQI : Falls Church, VA	1.698	-		-		-		-		-	0.000	1.698	-
Test & Evaluation 16	C/CPFF	TQI : Falls Church, VA	0.494	-		-		-		-		-	0.000	0.494	-
Test & Evaluation 17	MIPR	Slidell : Various	0.436	-		-		-		-		-	0.000	0.436	-
Subtotal			85.931	2.100		2.029		2.302		-		2.302	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Defense Information Systems Agency												Date: March 2019			
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0303150K / Global Command and Control System				Project (Number/Name) CC01 / Global Command and Control System-Joint (GCCS-J)					
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
Management Services	MIPR	SSC Atlantic : Charleston, SC	3.759	-		-		-		-		-	0.000	3.759	-
Subtotal			3.759	-		-		-		-		-	0.000	3.759	N/A
			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			531.529	41.126		46.900		25.218		-		25.218	Continuing	Continuing	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2020 Defense Information Systems Agency										Date: March 2019			
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0303150K / <i>Global Command and Control System</i>					Project (Number/Name) CC01 / <i>Global Command and Control System-Joint (GCCS-J)</i>			

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
Development and Strategic Planning																												
Integration and Test																												

	FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024			
	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
Development and Strategic Planning																												
Integration and Test																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Defense Information Systems Agency			Date: March 2019
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303150K / Global Command and Control System	Project (Number/Name) CC01 / Global Command and Control System-Joint (GCCS-J)	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Development and Strategic Planning	1	2017	4	2024
Integration and Test	1	2017	4	2024