

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Defense Information Systems Agency **Date:** February 2020

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| Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I 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 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 | 572.655 | 44.974 | 17.218 | 3.695 | - | 3.695 | 4.201 | 4.364 | 4.446 | 4.538 | Continuing | Continuing |
| CC01: <i>Global Command and Control System-Joint (GCCS-J)</i> | 572.655 | 44.974 | 17.218 | 3.695 | - | 3.695 | 4.201 | 4.364 | 4.446 | 4.538 | 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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| Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i> | R-1 Program Element (Number/Name) PE 0303150K / <i>Global Command and Control System</i> |
|---|--|

| B. Program Change Summary (\$ in Millions) | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 46.900 | 25.218 | 33.075 | - | 33.075 |
| Current President's Budget | 44.974 | 17.218 | 3.695 | - | 3.695 |
| Total Adjustments | -1.926 | -8.000 | -29.380 | - | -29.380 |
| • Congressional General Reductions | - | -8.000 | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | -0.221 | - | | | |
| • SBIR/STTR Transfer | -1.705 | - | | | |
| • Adjustments | - | - | -29.380 | - | -29.380 |

Change Summary Explanation

The decrease in FY 2019 is due to the decrease of -\$1.705 for a transfer of funding to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs and decrease of -\$0.221 was reprogrammed to support Other Transaction Authority (OTA) requirement.

The decrease of -\$29.380 in FY 2021 is attributed to the transfer of funds from BA7 to BA 8 to support Global Command and Control System-Joint under the Software & Digital Technology pilot program.

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| Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Information Systems Agency | | | | | | | | | | Date: February 2020 | | |
| 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> | | | |
| 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 |
| CC01: <i>Global Command and Control System-Joint (GCCS-J)</i> | 572.655 | 44.974 | 17.218 | 3.695 | - | 3.695 | 4.201 | 4.364 | 4.446 | 4.538 | 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 2019 | FY 2020 | FY 2021 |
|---|----------------|----------------|----------------|
| Title: Development and Strategic Planning | 38.601 | 13.944 | - |
| <p>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:</p> <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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| Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Information Systems Agency | | Date: February 2020 | | |
| 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 2019 | FY 2020 | FY 2021 |
| <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 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 initial operating capability (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 2020 to FY 2021 Increase/Decrease Statement: The decrease of -\$13.944 from FY 2020 to FY 2021 is attributed to the transfer of funds from BA7 to BA 8 to support Global Command and Control System- Joint under the Software & Digital Technology pilot program.</p> | | | | |
| <p>Title: Joint Planning and Execution Services (JPES)</p> <p>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 Joint Planning and Execution Community (JPEC). JPEC uses these capabilities to monitor, plan, and execute: mobilization, deployment, employment, sustainment, redeployment, and demobilization activities associated with joint operations.</p> <p>FY 2020 Plans: Maintain, fix and enhance performance on JPES, Newsgroups, Joint Capabilities Requirements Manager (JCRM) and Preferred Forces Generation (PFG) and develop any additional data services.</p> <p>FY 2021 Plans:</p> | | 6.373 | 3.274 | 3.695 |

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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 2019 | FY 2020 | FY 2021 |
|--|---------|---------|---------|
| Continue to modernize JPES by improving performance on the Framework, integrating with additional external partners, developing additional data services and enhancements to the user interface. | | | |
| <i>FY 2020 to FY 2021 Increase/Decrease Statement:</i> The increase of +\$0.421 from FY 2020 to FY 2021 is due to the transition from DoD Information Assurance Certification and Accreditation Process (DIACAP) to Risk Management Framework (RMF) for Joint Operation Planning and Execution System (JOPES) and the related development activities to maintain the Authority to Operation (ATO). | | | |
| Accomplishments/Planned Programs Subtotals | 44.974 | 17.218 | 3.695 |

| 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 Complete</u> | <u>Total Cost</u> |
| • PE 0303150K: <i>Operation & Maintenance, Defense-Wide</i> | 92.415 | 93.315 | 90.559 | - | 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Defense Information Systems Agency **Date:** February 2020

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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> |
|--|--|--|

| Product Development (\$ 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 | | | |
| 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 | 0.587 | Dec 2018 | - | | - | | - | | - | 0.000 | 20.141 | - |
| 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 | - | | 2.100 | Dec 2019 | - | | - | | - | 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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|--|------------------------|--|-------------|---|------------|---------|------------|---|------------|-------------|------------|---------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity | | | | R-1 Program Element (Number/Name) | | | | Project (Number/Name) | | | | | | | |
| 0400 / 7 | | | | PE 0303150K / Global Command and Control System | | | | CC01 / Global Command and Control System-Joint (GCCS-J) | | | | | | | |
| Product Development (\$ 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 | | | |
| 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 | 10.755 | 0.720 | Sep 2019 | 1.681 | Sep 2020 | - | | - | | - | 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 | - | | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 30 | C/CPFF | Systems Engineering and Integration : Various | 14.030 | - | | - | | - | | - | | - | 0.000 | 14.030 | - |
| Product Development 31 | C/Various | GCCS-J : Various | 5.367 | - | | - | | - | | - | | - | 0.000 | 5.367 | - |
| Product Development 32 | C/CPFF | CRSA/GDIT LLC : Chantilly, VA | 10.500 | 3.693 | Jun 2019 | - | | - | | - | | - | 0.000 | 14.193 | - |
| Product Development 33 | C/FFP | Interimage Inc : Arlington, VA | 4.673 | 1.506 | Mar 2019 | 3.026 | Mar 2020 | 1.000 | Mar 2021 | - | | 1.000 | Continuing | Continuing | Continuing |
| Engineering Services and Integration 29 | SS/FFP | GCCS-J : Various | 6.782 | - | | - | | - | | - | | - | 6.782 | 13.564 | - |
| I3 Engineering Services & SW Development | C/Various | NGIT : Various | 1.811 | - | | - | | - | | - | | - | 0.000 | 1.811 | - |

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|--|--|--|

| Product Development (\$ 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 | | | |
| Product Development 29 | C/FFP | JOPES modernization : Washington, DC | 10.248 | - | | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 34 | C/CPFF | JPES Solution : Falls Church, VA | 7.400 | - | | 2.542 | Jun 2020 | 0.307 | Jun 2021 | - | | 0.307 | Continuing | Continuing | Continuing |
| Product Development 35 | C/CPFF | Leidos : Gaithersburg, MD | 0.000 | - | | 0.307 | Aug 2019 | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development | C/CPFF | GCCS-JE OTA : McLean, VA | 16.005 | 9.287 | Oct 2019 | - | | - | | - | | - | 0.000 | 25.292 | - |
| Product Development 37 | C/CPFF | Leidos OTA : McLean, VA | - | 10.134 | Feb 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 38 | C/CPFF | GCCS-J : Various | - | 11.801 | May 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 39 | C/CPFF | Bluestone Logic : McLean, VA | - | 1.499 | Sep 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 40 | C/CPFF | C2 Systems Engineering : TBD | - | - | | 3.563 | Aug 2020 | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 41 | C/CPFF | Tapestry : Chambersburg, PA | - | 3.048 | Jun 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 42 | C/CPFF | Leidos : McLean, VA | - | 0.670 | Jun 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Product Development 36 | C/CPFF | TBD : C2 Systems Engineering | - | - | | 0.179 | Aug 2020 | 0.442 | Aug 2021 | - | | 0.442 | Continuing | Continuing | Continuing |
| Subtotal | | | 459.325 | 42.945 | | 13.398 | | 1.749 | | - | | 1.749 | Continuing | Continuing | N/A |

| Support (\$ 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 | | | |
| 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 | - |

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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> |
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| Support (\$ 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 | | | |
| Support Costs - Engineering Support 3 | FFRDC | MITRE : Various | 0.754 | - | | 1.382 | Nov 2019 | 1.400 | Nov 2020 | - | | 1.400 | 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 | | 1.400 | | - | | 1.400 | Continuing | Continuing | N/A |

| 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 & Evaluation 1 | C/CPFF | SAIC : Falls Church, VA | 0.744 | - | | - | | - | | - | | - | 0.000 | 0.744 | - |
| Test & Evaluation 2 | MIPR | JITC : Ft. Huachuca, AZ | 32.565 | 0.800 | Oct 2018 | 1.836 | Oct 2019 | 0.546 | Oct 2020 | - | | 0.546 | Continuing | Continuing | Continuing |
| Test & Evaluation 3 | MIPR | DIA : Various | 9.104 | 0.629 | Jan 2019 | - | | - | | - | | - | Continuing | Continuing | Continuing |
| Test & Evaluation 4 | MIPR | DAA : Various | 4.352 | 0.600 | Sep 2019 | 0.602 | Oct 2019 | - | | - | | - | 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 | - |

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Defense Information Systems Agency **Date:** February 2020

| | | |
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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> |
|--|--|--|

| 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 & 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 | | | 88.031 | 2.029 | | 2.438 | | 0.546 | | - | | 0.546 | Continuing | Continuing | N/A |

| Management Services (\$ 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 | | | |
| 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 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|--------|---------|--------|--------------|-------|-------------|---|---------------|------------------|------------|--------------------------|
| | | | | | | | | | | | | | |
| Project Cost Totals | | 572.655 | 44.974 | | 17.218 | | 3.695 | | - | 3.695 | Continuing | Continuing | N/A |

Remarks

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| | | | |
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| Exhibit R-4, RDT&E Schedule Profile: PB 2021 Defense Information Systems Agency | | | Date: February 2020 |
| 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 2012 | | | | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | |
|--|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 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 |

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| Development and Strategic Planning | |
| Integration and Test | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2021 Defense Information Systems Agency | | Date: February 2020 |
| 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> |

Schedule Details

| Events | Start | | End | |
|------------------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Development and Strategic Planning | 1 | 2017 | 4 | 2025 |
| Integration and Test | 1 | 2017 | 4 | 2025 |