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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Information Systems Agency **Date:** April 2022

| | |
|---|--|
| 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 0303228K I <i>Joint Information Environment</i> |
|---|--|

| COST (\$ in Millions) | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element | 31.865 | 12.433 | 9.342 | 0.000 | - | 0.000 | 1.476 | 0.984 | 0.000 | 0.000 | Continuing | Continuing |
| JE1: <i>Joint Regional Security Stacks</i> | 31.865 | 12.433 | 9.342 | 0.000 | - | 0.000 | 1.476 | 0.984 | 0.000 | 0.000 | Continuing | Continuing |

A. Mission Description and Budget Item Justification

The Joint Information Environment (JIE) construct is a consolidated secure and defensible environment across Department of Defense (DoD). This is comprised of unified, consolidated and shared information technology (IT) infrastructure, enterprise services, and standardized security architectures throughout the Department of Defense Information Network (DODIN) to achieve full spectrum superiority, improve mission effectiveness, increase security and realize IT efficiencies.

The target objective state of JIE is a DODIN that optimizes the use of DoD's IT assets from the administrative and operational planning at the Pentagon to the tactical edge; to include our mission partners through converging communications, computing, enterprise services, and defense of the DODIN that can be leveraged for all Department missions.

When implemented, JIE will reduce DoD's Total Cost of Ownership (TCO), improved security by reducing the attack surface of our networks, and enable Combatant Commands/Services/Agencies (CC/S/A) to more efficiently access information to perform their missions from any authorized IT device, any time, from anywhere in the world.

The FY23 funding request was reduced by $-\$(2.460)$ million to account for the availability of prior year execution balances.

| B. Program Change Summary (\$ in Millions) | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 12.433 | 9.342 | 0.000 | 0.000 | 0.000 |
| Current President's Budget | 12.433 | 9.342 | 0.000 | 0.000 | 0.000 |
| Total Adjustments | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Budget Year Adjustment | 0.000 | - | 0.000 | - | 0.000 |

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Appropriation/Budget Activity
0400: *Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development*

R-1 Program Element (Number/Name)
PE 0303228K *I Joint Information Environment*

Change Summary Explanation

The reduction in FY 2023 is due to rephrasing for under-execution.

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| Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency | | | | | | | | | | Date: April 2022 | | |
| Appropriation/Budget Activity 0400 / 7 | | | | | R-1 Program Element (Number/Name) PE 0303228K / Joint Information Environment | | | | Project (Number/Name) JE1 / Joint Regional Security Stacks | | | |
| COST (\$ in Millions) | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | FY 2024 | FY 2025 | FY 2026 | FY 2027 | Cost To Complete | Total Cost |
| JE1: Joint Regional Security Stacks | 31.865 | 12.433 | 9.342 | 0.000 | - | 0.000 | 1.476 | 0.984 | 0.000 | 0.000 | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The Joint Regional Security Stack (JRSS) is a joint Department of Defense (DoD) security architecture deployed regionally throughout the world. Each of the 23 Non-Secure Internet Protocol Router (NIPR) and 25 Secure Internet Protocol Router (SIPR) stacks is comprised of complementary defensive security solutions that remove redundant Information Assurance (IA) protections; leverages enterprise defensive capabilities with standardized security suites; protects the enclaves after the separation of server and user assets; and provides the tool sets necessary to monitor and control all security mechanisms throughout DoD's Joint Information Environment. The JRSS Management System (JMS) is the management and operational control suite/capability for the JRSS. While the JMS is treated as a related effort, it requires its own experience and evaluation strategy as the JMS is a selection of best of breed capabilities. The JMS is a system-of-systems designed to centralize and enhance the management of the JRSS components and achieve economies of scale by using DoD common suites/infrastructure. The savings are realized by coupling the JRSS and JMS. The JRSS collapses replicated IT security functionality for all DoD components into relatively few regionally located stacks. The JMS provides Centralized Network Management of the JRSS with a standard interoperable set of capabilities across DoD. JMS provides visibility and control over network transport and associated security systems. It enables monitoring and analysis of relevant fault and performance data to determine the impact on current operations and trend analysis. This centralized capability allows standardization of policies, procedures and configurations of critical network transport assets. The JMS enables DoD Components to maintain Title 10 required management and visibility of their IT security while providing high level visibility to Cyber Command (CYBERCOM). Cyber Operations can take proactive actions to ensure the uninterrupted availability and protection of system and network information.

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

| | FY 2021 | FY 2022 | FY 2023 |
|--|----------------|----------------|----------------|
| Title: Joint Regional Security Stacks | 12.433 | 9.342 | - |
| Description: The Joint Regional Security Stack (JRSS) is a joint DoD security architecture deployed regionally throughout the world. Each of the 23 NIPR and 25 SIPR stacks is comprised of complementary defensive security solutions that remove redundant Information Assurance (IA) protections; leverages enterprise defensive capabilities with standardized security suites; protects the enclaves after the separation of server and user assets; and provides the tool sets necessary to monitor and control all security mechanisms throughout DoD's Joint Information Environment. | | | |
| FY 2022 Plans: Will provide integration, testing, and development of JRSS/JMS hardware/software to support tech refresh of end-of-support/end-of-life appliances. Support pathfinder efforts associated with JRSS optimization and evolution. | | | |
| FY 2022 to FY 2023 Increase/Decrease Statement: | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Information Systems Agency | | Date: April 2022 |
| Appropriation/Budget Activity 0400 / 7 | R-1 Program Element (Number/Name) PE 0303228K / <i>Joint Information Environm ent</i> | Project (Number/Name) JE1 / <i>Joint Regional Security Stacks</i> |

| B. Accomplishments/Planned Programs (\$ in Millions) | FY 2021 | FY 2022 | FY 2023 |
|---|----------------|----------------|----------------|
| The decrease from FY 2022 to FY 2023 is due to rephasing for under execution. | | | |
| Accomplishments/Planned Programs Subtotals | 12.433 | 9.342 | - |

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

N/A

Remarks

N/A

D. Acquisition Strategy

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Defense Information Systems Agency **Date:** April 2022

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|--|---|---|
| Appropriation/Budget Activity 0400 / 7 | R-1 Program Element (Number/Name) PE 0303228K / Joint Information Environm ent | Project (Number/Name) JE 1 / Joint Regional Security Stacks |
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| Support (\$ in Millions) | | | | FY 2021 | | FY 2022 | | FY 2023 Base | | FY 2023 OCO | | FY 2023 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 | | | |
| Certification Testing | Various | Various : Various | 1.532 | - | | - | | - | | - | | - | 0.000 | 1.532 | - |
| Test and Evaluation Support | Various | JITC : Various | 2.568 | 1.176 | Oct 2021 | 0.550 | Oct 2022 | - | | - | | - | Continuing | Continuing | - |
| Integration Test and Modification | Various | Multiple : Various | 2.784 | 1.358 | Dec 2020 | 0.750 | Dec 2021 | - | | - | | - | Continuing | Continuing | - |
| Tech Refresh/Functionality Testing | Various | Multiple : Various | 6.089 | 1.376 | Dec 2020 | 1.245 | Dec 2021 | - | | - | | - | Continuing | Continuing | - |
| Analytic Development & Testing (CSAAC) | Various | Multiple : Various | 4.820 | - | | - | | - | | - | | - | 0.000 | 4.820 | - |
| JRSS Integration Test and Acceptance Support | Various | Multiple : Various | 2.595 | 8.523 | Dec 2020 | 6.797 | Jan 2022 | - | | - | | - | Continuing | Continuing | - |
| JRSS Integration Test and Acceptance Support_2 | Various | Multiple : Various | 6.309 | - | | - | | - | | - | | - | Continuing | Continuing | - |
| JRSS Integration Test and Acceptance Support_3 | Various | Multiple : Various | 5.168 | - | | - | | - | | - | | - | Continuing | Continuing | - |
| Subtotal | | | 31.865 | 12.433 | | 9.342 | | - | | - | | - | Continuing | Continuing | N/A |

| | Prior Years | FY 2021 | FY 2022 | FY 2023 Base | FY 2023 OCO | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|
| Project Cost Totals | 31.865 | 12.433 | 9.342 | - | - | - | Continuing | Continuing | N/A |

Remarks

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| Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Information Systems Agency | | Date: April 2022 |
| Appropriation/Budget Activity 0400 / 7 | R-1 Program Element (Number/Name) PE 0303228K / <i>Joint Information Environm ent</i> | Project (Number/Name) JE1 / <i>Joint Regional Security Stacks</i> |

| | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | |
|------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| <i>JIE</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JIE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | | FY 2027 | | | |
|------------|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| <i>JIE</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JIE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Information Systems Agency | | Date: April 2022 |
| Appropriation/Budget Activity 0400 / 7 | R-1 Program Element (Number/Name) PE 0303228K / <i>Joint Information Environm ent</i> | Project (Number/Name) JE1 / <i>Joint Regional Security Stacks</i> |

Schedule Details

| Events by Sub Project | Start | | End | |
|-----------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| <i>JIE</i> | | | | |
| JIE | 1 | 2017 | 4 | 2022 |