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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Defense Information Systems Agency **Date:** March 2023

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 6:</i> <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0305208K / <i>Distributed Common Ground/Surface Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	3.112	3.073	3.072	3.069	-	3.069	3.130	3.129	3.193	3.257	Continuing	Continuing
NF1: <i>Distributed Common Ground/Surface Systems</i>	3.112	3.073	3.072	3.069	-	3.069	3.130	3.129	3.193	3.257	Continuing	Continuing

A. Mission Description and Budget Item Justification

As the sole joint interoperability certification agent, Joint Interoperability Test Command (JITC) provides test and evaluation (T&E) services to the Distributed Common Ground/Surface Systems (DCGS) Family of Systems (FoS), a major component of the Defense Intelligence Information Enterprise (DI2E). The DI2E enables collection, exploitation, and dissemination of intelligence, surveillance, and reconnaissance (ISR) needed to answer priority intelligence requirements (PIRs) across military operations. Answering PIRs enables leaders to take decisive military action. DI2E components are improving battlespace awareness through modernizing and evolving how intelligence is delivered to commanders. Part of this modernization is the development of DI2E test, evaluation, and assessment concepts to improve senior leader decision support. Real-time, continuous, metrics collection combined with interactive health and status visualization methods provides quality data to inform leadership decision making.

Interoperability is vital to the DoD's success as it allows forces, units and/or systems of military services, and US partners to share the data, information, materiel, and services required to operate collaboratively and effectively. Operational testing addresses critical operational issues of a system's effectiveness in combat-like environments. Additionally, operational testing provides key stakeholders and decision makers an independent evaluation of a system's operational effectiveness, suitability, and cyber-security. Decision makers understand the risks and capabilities before fielding new systems to the warfighters.

The Under Secretary of Defense for Intelligence and Security (OUSD(I&S)) sponsored a Capabilities Based Assessment that resulted in an Initial Capability Document (ICD) and Joint Requirements Oversight Council Memorandum ICD for DCGS Enterprise. Per 2018 and 2022 National Defense Strategy (NDS) and OUSD(I&S) direction, JITC supports T&E and independent validation of DI2E digital transformation initiatives' interoperability, effectiveness, suitability, and survivability. Tenets for this transition and Military Intelligence Program (MIP)-wide modernization, are outlined in the OUSD(I&S) ISR Architecture Convergence Study and follow-on strategic guidance within Project Herald, also known as the Defense Intelligence Digital Transformation Campaign Plan.

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B. Program Change Summary (\$ in Millions)	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	3.073	3.072	3.132	-	3.132
Current President's Budget	3.073	3.072	3.069	-	3.069
Total Adjustments	0.000	0.000	-0.063	-	-0.063
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment	-	-	-0.063	-	-0.063

Change Summary Explanation

The decrease of -\$0.063 in FY 2024 is due to budget year adjustments.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Information Systems Agency										Date: March 2023		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0305208K / <i>Distributed Common Ground/Surface Systems</i>				Project (Number/Name) NF1 / <i>Distributed Common Ground/Surface Systems</i>			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
NF1: <i>Distributed Common Ground/Surface Systems</i>	3.112	3.073	3.072	3.069	-	3.069	3.130	3.129	3.193	3.257	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

JITC coordinates with Military Services and Combat Support Agencies (CSA) to conduct DCGS FoS testing and analysis, including event coordination, configuration, and instrumentation through the operation of the Enterprise Integration and Test Capability (EITC).

Under OUSD(I&S) guidance, the DCGS Test and Evaluation Focus Team (TEFT), is composed of three parts:

- The EITC Focus Group, which provides and sustains DI2E T&E requirements analysis to enable instrumentation and automation for metrics collection.
- The Strategy Focus Group, which is responsible for evaluating DI2E T&E methods and capabilities to meet modern software acquisition practices development, integration, and continuous delivery of capabilities.
- The Execution Focus Group, which supports DI2E demonstration events, such as ENTERPRISE STORM, which is the Defense Intelligence Enterprise (DIE) demonstration series to promote interoperability and integration.

Additionally, the DCGS TEFT:

- Advocates, coordinates, and synchronizes with Services and CSAs for the use of existing DoD test facilities, such as the Test Resource Management Center (TRMC). This collaboration advances science, technology, modeling, and simulation to improve DI2E test capabilities, capacity, and integration.
- Supports data collection activities on secret, top-secret, and Coalition and Partner networks to characterize the state of DI2E capabilities.
- Teams with DCGS FoS, ISR, and Command and Control interoperability certifiers to advance data collection for legacy and modern acquisition practices.
- Supports DI2E-wide acquisitions to advance digital transformation objectives and integrate with Joint All-Domain Command and Control (JADC2) initiatives.
- Supports the ENTERPRISE STORM T&E. These efforts help close capability gaps, promote enterprise interoperability, and enable DCGS FoS integration. This enables improved data sharing between DI2E components, the overarching DIE, and JADC2 capabilities.
- Supports demonstrations and evaluation of capabilities relying on the Defense Intelligence Agency’s data broker (known as the Common Data Fabric, or CDF). The CDF is an enterprise modernization initiative to enable automated machine-to-machine data transactions to increase the speed of delivery via one-to-many data sharing agreements.

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

	FY 2022	FY 2023	FY 2024
Title: Distributed Common Ground/Surface Systems (DCGS)	3.073	3.072	3.069

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

	FY 2022	FY 2023	FY 2024
<p>Description: The TEFT develops testing, evaluation, assessment concepts, and execution of data collection methods to determine compliance with emergent DI2E attributes and applicable interoperability standards. The TEFT supports ENTERPRISE STORM T&E planning, execution, and data collection to assess the effectiveness of technology demonstrations of initiatives selected by senior intelligence representatives in support of Combatant Command intelligence priorities. Demonstrations occur as follows:</p> <ul style="list-style-type: none"> • Signals Intelligence (SIGINT) event during a yearly, 4-week demonstration known as STORMFORCE. • Geo-Intelligence (GEOINT) events, known as Enterprise Challenge, in varying venues as coordinated. • Technical collection efforts to support specific technologies, such as the CDF or the legacy DCGS enterprise integration architecture, to ensure interoperable warfighting capabilities during technological transition. <p>FY 2023 Plans: As part of the yearly technology demonstration cycle, the TEFT will:</p> <ul style="list-style-type: none"> • Plan, develop, and execute enterprise-level data collection during multiple events and technology demonstrations of SIGINT and GEOINT capabilities. • Improve critical EITC to modernize, expand functionality, and T&E capacity by exploiting TRMC capabilities. • Conduct compliance testing of data, metadata, and services against standards to improve data visibility and sharing. • Advance interoperability assessments of information exchanges between users of ISR, via the CDF. • Improve access, automation, and remote data collection tools to support testing on multiple network domains. • Develop capabilities to advance Testing as a Service within DoD Cloud hosted environments for intelligence programs adopting agile software development practices. <p>In addition, the TEFT will:</p> <ul style="list-style-type: none"> • Evolve T&E data collection methods and analysis to support DI2E components and DCGS FoS acquisition programs' interoperability evaluations. These evaluations integrate capabilities and solutions to advance Project Herald objectives and ISR Architecture Convergence Study recommendations. • Develop evaluation frameworks and maturity models advance OUSD(I&S) business analytics objectives. This includes automated reporting of T&E outcomes to support continuous stakeholder oversight. These efforts improve planning, programming, budgeting, and execution of DIE capability investments and advance National and Intelligence Defense Strategies and the yearly ENTERPRISE STORM innovation guidance. <p>FY 2024 Plans: In addition to continuing the FY23 efforts and yearly OUSD(I&S) technology demonstration cycle, the TEFT will:</p> <ul style="list-style-type: none"> • Improve fidelity to evaluation frameworks and maturity models used to support OUSD(I&S) business analytics objectives. • Assess progress against Project Herald (a.k.a. Defense Intelligence Digital Transformation Campaign Plan) objectives and 			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
ISR Architecture Convergence Study recommendations' roadmaps. • Incorporate Fort Huachuca East Range connectivity to integrate Special Operations Command ISR-centric demonstrations, testing, and data collection. • Develop T&E tools that rely on modern software development practices to enable direct data collection. This will enable continuous assessments of interoperability. • Augment T&E capacity with ISR models, simulations, or synthetic data to improve operational realism or stimulate tasking, collection, processing, exploitation, and dissemination of ISR at scale. • Improve automated reporting of T&E outcomes to support continuous stakeholder oversight of DI2E modernization efforts and yearly ENTERPRISE STORM innovation events. <i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> The decrease of -\$0.003 from FY 2023 to FY 2024 is due to budget year adjustments.			
Accomplishments/Planned Programs Subtotals	3.073	3.072	3.069

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

N/A

Remarks

D. Acquisition Strategy

Test, Evaluation, and Certification (TECII) indefinite delivery/indefinite quantity contract provides T&E support by performing a wide range of non-personal services to encompass testing, scientific, engineering, administrative, and ancillary support of the DISA T&E missions. The TECII contract provides for expansion and contraction of staff years as workload dictates.