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

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System (ESS)</i>
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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	142.248	9.681	5.355	0.000	-	0.000	0.000	0.000	-	-	-	-
000: <i>Enterprise Security System (ESS)</i>	142.248	9.681	5.355	0.000	-	0.000	0.000	0.000	-	-	-	-

A. Mission Description and Budget Item Justification

The Defense Counterintelligence Security Agency (DCSA) is a strategic asset to the nation and our allies - continuously ensuring a trusted federal, industrial, and affiliated workforce, and enabling industry's delivery of uncompromised capabilities by leveraging advanced technologies and innovation. DCSA uniquely blends critical technology protection, trusted personnel vetting, counterintelligence, and professional education and certification to advance and preserve America's strategic edge.

National Industrial Security System (NISS) development effort consist of continued enhancements in response to user community requirements. These requirements include enhancements to Key Management Personnel (KMP) monitoring, NATO Control Point Inspection Triage Outreach Program, NISP Oversight Report, Outgoing Foreign Visits and enables Industry to initiate Facility Profile updates. A separate, parallel development effort will facilitate a SIPR NISS baseline to allow alternative Single Sign-On (SSO) capability to National Industrial Security Program (NISP) Central Access Information Security System (NCAISS), as well as Cross Domain Solution (CDS) for movement of NIPR-based data to SIPR for subsequent reporting and data aggregation. Development activities will include interface work between NISS and the Defense Information System for Security (DISS), NISP Contracts Classification System (NCCS) and Enterprise Mission Assurance Support Service (eMASS) systems as well as initial planning for refactoring of NISS functionality into National Background Investigative Services (NBIS).

DCSA will acquire, develop, and deploy digital automation and continuous vetting capabilities (i.e. data integration, link analysis, anomaly detection, artificial intelligence, business processing, advanced analytics) to comply with Public Law 116-92 Sec 845 & 847. These capabilities will also identify and evaluate supply chain risks; identify and evaluate Foreign Ownership Control or Influence (FOCI) risks; and implement an entity vetting capability. Starting in FY2023 the funding for Enterprise Security Service transfers to PE 0308609V National Industrial Security System (NISS) Software Pilot Program.

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B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	9.681	5.355	0.000	-	0.000
Current President's Budget	9.681	5.355	0.000	-	0.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	0.000	-	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Counterintelligence and Security Agency										Date: April 2022		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System (ESS)</i>				Project (Number/Name) 000 / <i>Enterprise Security System (ESS)</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
000: <i>Enterprise Security System (ESS)</i>	142.248	9.681	5.355	0.000	-	0.000	0.000	0.000	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Defense Counterintelligence Security Agency (DCSA) manages the Enterprise Security System (ESS) to provide effective, real time, security support capabilities for Military Departments, DoD Agencies, the NISP, and other Federal Agencies. In compliance with the Expanded Electronic Government, President's Management Agenda, and the DoD Enterprise Architecture Framework, Enterprise Security System (ESS) is the unified offering of security mission systems to facilitate and automate improved national investigative standards, streamline security processes, and increase DoD community collaboration.

DCSA Mission Information Technology (IT) systems provide critical service to the major DCSA mission areas for Industrial Security Oversight and Security Education. DCSA performs this function through the operation of its mission production systems to include the National Industrial Security System (NISS) and the DCSA Gateway. RDT&E for DCSA mission systems primarily include pre planned product enhancements and improvements to the applications, research and improvements to assure information sharing to better posture systems and networks against vulnerabilities, ensure self-defense of systems and networks, and safeguarding data at all stages to increase efficiencies through web based systems to manage certification and accreditation activities. These IT systems are as follows:

NISS (formerly known as Field Operations System (FOS)). NISS is the next generation functional replacement for the Industrial Security Facility Database system (ISFD) and supports end to end facility identification and registration processing, Foreign Ownership Control or Influence (FOCI) mitigation, and supports Personnel Vetting business processes. NISS provides a centralized web based platform for National Industrial Security Program (NISP) personnel to manage the industrial security facility clearance process; from request initiation to approval (or rejection) storage of all associated data, and provides a centralized process for users to submit, update, search, and view facility verification requests.

National Contract Classification System (NCCS). NCCS is a web based system that automates the DD Form 254 for contract security classification specification submission; provides submitter with intuitive form of instructions, drop down selections, and linkage to relevant contract information for completing the form; and provides user access control, query/search, notification, tracking, and reporting capabilities for accountability of all contract security classification specifications. The Federal Acquisition Regulation (FAR) requires a DD Form 254 for each classified contract, and the National Industrial Security Operating Manual (NISPOM)(4 103a) requires a DD 254 be issued by the government with each Invitation for Bid, Request for Proposal, or Request for Quote. The DD Form 254 provides a contractor (or a subcontractor) the security requirements and classification guidance necessary to perform on a classified contract. The purpose of the Contract Security Classification Specification required by DoD 5220.22 4, Industrial Security Regulation and the National Industrial Security Program Operating Manual (NISPOM) is to develop a federated system for the oversight and management of classified information access and guidance to perform on classified contracts. The DD 254, an underlying business process, is critical to ensure access to our Nation's classified information is safeguarded.

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NISP Central Access and Information Security System (NCAISS) a web based Identity Management (IdM) enterprise portal, PKI compliant point of entry to the suite of services offered by DCSA, which controls user service accessibility through single sign on authentication. User service level permissions are verified, and authorized services are offered accordingly. National Control Access and Information Security System (NCAISS) formerly known as Identity Management (IdM). NCAISS is mandatory for compliance with Department of Defense (DoD) Public Key Infrastructure (PKI) Program Management Office and Office of the DoD Chief Information Officer, Joint Task Force for Global Networks Operations (JTF GNO) Communications Tasking Order (CTO) 06 02, CTO 07 015, and Office of Management and Budget (OMB) Memo 11 11 (M 11 11), which directed accelerated use of PKI access across the enterprise. This initiative is designed to enable multiple DCSA business systems to have service accessibility that is controlled through PKI compliant single sign on authentication. Potential expanded use of the NCAISS across the DCSA enterprise to provide CAC based authentication for business support applications on the SIPRNet and JWICS domains, provide enhanced identity and access control analytics. It incorporates any remaining DCSA operated application into the DCSA NCAISS solution.

DCSA established a Controlled Unclassified Information (CUI) program for industry that requires development and implementation of tools that support integration with cybersecurity monitoring, threat indications and warning, and supply chain illumination to protect critical technology. The development of a Security Rating Score (SRS) and its integration with the Contract Performance Assessment System will inform defense acquisition decisions and prioritize DCSA Industrial Security with active monitoring of companies in a single system of record. Funding will purchase data licenses for supply chain illumination tools that can be integrated into CUI cybersecurity assessments and will include business process tools to integrate data and manage DCSA business unit inputs from industrial and personnel security inputs. Funds will also support use of Artificial Intelligence / Machine Learning to accelerate and enhance cyber I&W via predictive analytics.

DCSA must invest further in modernization of NISS information technology to meet the mission needs of today and tomorrow. The attention on supply chain risk management and ensuring our trusted partners deliver uncompromised technology demands expanded oversight of the ~12,500 facilities in the cleared industry base. In recent years, DCSA has only performed a fraction of the ~9,500 security reviews of contractors required annually. Under Public Law 116-92, Section 847 requirements, foreign nexus assessments DCSA performs on behalf of the entire Department have increased by several orders of magnitude. Additional mission sets such as CUI Oversight and SCIF Accreditation also require improved technical capabilities to effectively manage, assess, and integrate across the Department.

DCSA will acquire, develop, and deploy digital automation and continuous vetting capabilities (i.e. data integration, link analysis, anomaly detection, artificial intelligence, business processing, advanced analytics) to comply with Public Law 116-92 Sec 845 & 847. These capabilities will also identify and evaluate supply chain risks; identify and evaluate Foreign Ownership Control or Influence (FOCI) risks; and implement an entity vetting capability.

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

	FY 2021	FY 2022	FY 2023
<p>Title: Systems Enhancement</p> <p>Description: 1. Deployed NISS Increment 2.5. Initiated development of NISS Increment 3. Increment 3 will include enhancements to KMP monitoring, NATO CPI, Triage Outreach Program, NISP Oversight Report, and Outgoing Foreign Visits. Completed Independent Verification and Validation (IV&V) and Government Acceptance Testing (GAT) of Increment 2.5. 2. NCCS. Continue scheduled enhancements through version releases and sustainment. Agile development approach will continue with two release cycles per year. Address any findings/bugs/issues encountered from Independent Verification and Validation (IV&V) and Government Acceptance Testing (GAT).</p>	9.681	5.355	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
3.NCAISS. Continue integration and software upgrades with RDT&E funds				
<p>FY 2022 Plans: Field both MilCloud and alternative cloud instances for National Background Investigative Services (NBIS) refactoring related activities.</p> <p>Deploy hardware and software required for the SIPR NISS instance, supporting NISS interfaces with DISS, NCCS and eMASS.</p> <p>Development efforts will enhance Key Management Personnel (KMP) monitoring, NATO CPI, Triage Outreach Program, NISP Oversight Report, and Outgoing Foreign Visits).</p> <p>FY 2023 Plans: Continued development efforts realigned to PE 0308609V</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: The decrease from FY2022 is due to realignment of funding to PE 0308609V in support of the National Industrial Security System (NISS) Software Pilot Program.</p>				
Accomplishments/Planned Programs Subtotals		9.681	5.355	0.000
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				

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Exhibit R-4, RDT&E Schedule Profile: PB 2023 Defense Counterintelligence and Security Agency		Date: April 2022
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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

Enterprise Security System	
Production and Deployment of Applications	

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

Enterprise Security System	
Production and Deployment of Applications	

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Exhibit R-4A, RDT&E Schedule Details: PB 2023 Defense Counterintelligence and Security Agency		Date: April 2022
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Enterprise Security System</i>				
Production and Deployment of Applications	1	2017	3	2023