

**UNCLASSIFIED**

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

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</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	123.200	9.395	7.945	14.378	-	14.378	14.632	13.490	9.685	0.000	Continuing	Continuing
000: <i>Enterprise Security System (ESS)</i>	123.200	9.395	7.945	14.378	-	14.378	14.632	13.490	9.685	0.000	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

The Defense Counterintelligence Security Agency (DCSA) formerly known as the Defense Security Service (DSS) 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 blend critical technology protection, trusted personnel vetting, counterintelligence, and professional education and certification to advance and preserve America’s strategic edge.

**B. Program Change Summary (\$ in Millions)**

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	9.395	7.945	14.378	-	14.378
Current President's Budget	9.395	7.945	14.378	-	14.378
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	-	-			

**Change Summary Explanation**

National Industrial Security System (NISS) development consists of continued enhancements in response to user community requirements. These requirements consist of enhancements to Key Management Personnel (KMP) monitoring, NATO Control Point Inspection Triage Outreach Program, NISP Oversight Report, Outgoing Foreign Visits and enabling Industry with the ability to initiate Facility Profile updates. A separate, parallel development effort will facilitate a SIPR NISS baseline consisting of an 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). Achievement of Full Operational Capability (FOC) delayed due to the of the Period of Performance (PoP)<sup>2</sup> which is scheduled for a March 2020 completion.

**UNCLASSIFIED**

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

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

**R-1 Program Element (Number/Name)**  
PE 0604130V I *Enterprise Security System (ESS)*

The Adaptive Data Exchange (ADX)/ Joint Cyber Intelligence Tool Suite (JCITS) will assist DCSA with analysis of network telemetry data gathered from the JCITS unclassified cyber threat intelligence data, cleared contractor reporting and other government agency feeds for detecting anomalous behavior and enhancing data.

The Defense Information System for Security (DISS) which transfers to DCSA from DHRA/ DMDC beginning FY2021 is to consolidate the DoD personnel security mission into an enterprise adjudicative case management system that will automate the implementation of improved national investigative and adjudicative standards to eliminate costly and inefficient work processes and increase information collaboration across the community. This will provide comprehensive capabilities to perform processing and verification of security clearances for all DoD military personnel, civilians and contractors including the technology and processes to implement Continuous Evaluation.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Defense Counterintelligence and Security Agency										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>				<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
000: <i>Enterprise Security System (ESS)</i>	123.200	9.395	7.945	14.378	-	14.378	14.632	13.490	9.685	0.000	Continuing	Continuing
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 an 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 critical function through 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 includes pre-planned product enhancements and improvements to the applications, research and improve assured information sharing to better posture systems and networks against vulnerabilities, ensure self-defense of systems and networks, and safeguard data at all stages to increase efficiencies through web-based systems to manage certification and accreditation activities. These IT systems are as follows:

National Industrial Security System (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 contractor (or a subcontractor) the security requirements and classification guidance necessary to perform on a classified contract. 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.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Defense Counterintelligence and Security Agency	<b>Date:</b> February 2020
---	----------------------------

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>	<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</i>
--	---	---

National Industrial Security Program (NISP) DCSA 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. 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 Assistant Secretary of Defense for Networks and Information Integration (ASD-NII), 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 to support 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 is establishing 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.

The Defense Information System for Security (DISS) is to consolidate the DoD personnel security mission into an enterprise adjudicative case management system that will automate the implementation of improved national investigative and adjudicative standards to eliminate costly and inefficient work processes and increase information collaboration across the community to provide comprehensive capabilities to perform processing and verification of security clearances for all DoD military personnel, civilians, and contractors including the technology and processes that need to be addressed in order to implement Continuous Evaluation.

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

	FY 2019	FY 2020	FY 2021
<p><b>Title:</b> Systems Enhancement</p> <p><b>Description:</b> Accomplishments:                      1. NISS. Complete development of NISS Increment 2. Deploy NISS Increment 2 IOC in 2Q FY19. Initiate 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. Initiate Independent Verification and Verification (IV&amp;V) and Government Acceptance Testing (GAT) of Increment 2. IV&amp;V and GAT findings will be addressed.</p>	9.395	7.945	14.378

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Defense Counterintelligence and Security Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>	<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<p>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 Verification (IV&amp;V) and Government Acceptance Testing (GAT).</p> <p>3. NCAISS. No RDT&amp;E funding required. Continue integration and application sustainment costs under the sustainment contract, with some software upgrades.3. NCAISS. Continue integration and application sustainment activities. Contract period of performance ends 1st Qtr FY19.</p> <p>4. eFCL. Usage of systems has been retired from DCSA use.</p> <p><b>FY 2020 Plans:</b></p> <p>1.) NISS. Continue development of NISS NIPR enhancements. Development of NISS SIPR Increment, IOC projected by Q4 FY20.</p> <p>2.)Initiate development of NISS Cross Domain Solution (CDS)</p> <p>3.) NIPR NISS Enhancements to Key Management Personnel (KMP) monitoring, NATO CPI, Triage Outreach Program, NISP Oversight Report, Outgoing Foreign Visits and Facility Profile.</p> <p>4.) Refine Processes and Requirements for Critical Threat Protection (CTP).</p> <p>5.)Initiate Independent Verification and Verification (IV&amp;V) and Government Acceptance Testing (GAT) of NIPR and SIPR NISS IV&amp;V and GAT findings will be addressed</p> <p><b>FY 2021 Plans:</b></p> <p>The application will require both MilCloud and alternative cloud instances for National Background Investigative Services (NBIS) refactoring related activities.</p> <p>Hardware and software required for the SIPR NISS instance will double overall development ramp-up costs. NISS interfaces with DISS, NCCS and eMASS will drive additional developer expense, with only initial requirements or Technical Interchanges having been conducted to-date.</p> <p>Development efforts for enhancements (Key Management Personnel (KMP) monitoring, NATO CPI, Triage Outreach Program, NISP Oversight Report, and Outgoing Foreign Visits) were delayed due to a late FOC for NISS NIPR baseline</p> <p>Adaptive Data Exchange (ADP)/JCITS will assist DCSA with analysis of network telemetry data gathered from the Joint Cyber Intelligence Tool Suite, unclassified cyber threat intelligence data, cleared contractor reporting and other government agency feeds for detecting anomalous behavior and enhancing data.</p>			

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Defense Counterintelligence and Security Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>	<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<p>Funding will be used to complete development of the DISS functionality necessary to sunset the Joint Personnel Adjudication System (JPAS).</p> <p><b><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i></b>                      The increase from FY20 to FY21 provides funding for ADX/JCITS funding will assist DCSA with analysis of network telemetry data gathered from the Joint Cyber Intelligence Tool Suite, unclassified cyber threat intelligence data, cleared contractor reporting and other government agency feeds for detecting anomalous behavior and enhancing data.</p> <p>Transfers in from DHRA/DMDC funding for continued development of DISS.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	9.395	7.945	14.378

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

N/A

**Remarks**

**D. Acquisition Strategy**

DCSA will use a variety of acquisition strategies such as Indefinite Delivery, Indefinite Quantity (IDIQ), Blanket Purchase Agreements (BPA), and multiple or single award contracts for the development of new applications, enhancement of other applications, and perform system integration with COTS and GOTS solutions and technology. These efforts will reduce the contract award process lead time and contract overhead, improve technical solutions, deployments, and deliver more effective and efficient automation projects for DCSA and the NISP community.

**UNCLASSIFIED**

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

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / Enterprise Security System (ESS)	<b>Project (Number/Name)</b> 000 / Enterprise Security System (ESS)
--	--	--

<b>Product Development (\$ in Millions)</b>				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			
NISS Development	C/TBD	TBD : TBD	114.305	7.940	May 2019	6.603	May 2020	5.784		-		5.784	Continuing	Continuing	-
NISS Development/ MilCloud	MIPR	DISA : Pensacola, FL	0.600	0.500	May 2019	0.500	May 2020	0.000		-		0.000	Continuing	Continuing	-
NCAISS Development	Option/BPA	Deloitt : Arlington VA	3.740	0.000		0.000		0.000		-		0.000	Continuing	Continuing	-
NCCS Development	MIPR	DLA : Philadelphia, PA	3.312	0.600	Oct 2018	0.600	Oct 2019	0.000	Oct 2020	-		0.000	Continuing	Continuing	-
SBIR/STTR	MIPR	AT&L : Arlington, VA	1.243	0.355	May 2019	0.242	May 2020	-		-		-	Continuing	Continuing	-
ADX/JCITS	Option/TBD	TBD : TBD	-	-		-		4.000	Apr 2020	-		4.000	Continuing	Continuing	-
DISS Development	TBD	TBD : TBD	-	-		-		4.594		-		4.594	Continuing	Continuing	-
<b>Subtotal</b>			123.200	9.395		7.945		14.378		-		14.378	Continuing	Continuing	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
<b>Project Cost Totals</b>	123.200	9.395	7.945	14.378	-	14.378	Continuing	Continuing	N/A

**Remarks**  
 The Enterprise Security System supports development efforts of the next generation of integrated enterprise automated security solutions to replace DSS legacy IT systems to provide seamless integration of applications.

**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2021 Defense Counterintelligence and Security Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>	<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</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

<b>Enterprise Security System</b>	
Production and Deployment of Applications	

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

<b>Enterprise Security System</b>	
Production and Deployment of Applications	

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Defense Counterintelligence and Security Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0604130V / <i>Enterprise Security System (ESS)</i>	<b>Project (Number/Name)</b> 000 / <i>Enterprise Security System (ESS)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Enterprise Security System</i></b>				
Production and Deployment of Applications	1	2017	4	2025