

# **Defense Security Service**

## **Fiscal Year (FY) 2010 Budget Estimates**

**May 2009**



**Research, Development, Test and Evaluation, Defense-Wide**

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**Exhibit R-1, RDT&E Programs  
Defense Security Service**

**Appropriation: 0400 RDT&E, DW**

**Date: May 2009**

R-1 Line Item Number	Program Element Number	Item	Budget Activity	FY 2008 Cost	FY 2009 Cost	FY 2010 Cost
171	0604130V	Defense Information System for Security 0604130V (Enterprise Security System)	07	9.798	11.518	1.384

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Exhibit R-2, RDT&E Budget Item Justification						Date: May 2009		
APPROPRIATION/BUDGET ACTIVITY RDT&E, DW / 07	R-1 ITEM NOMENCLATURE Defense Information System for Security 0604130V (Enterprise Security System)							
COST (\$ in Millions)	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
	9.798	11.518	1.384					
<b>A. Mission Description and Budget Item Justification:</b>								
<p>The Defense Security Service (DSS) manages the Enterprise Security System (ESS) to provide an effective, real-time, security support capability for the Military Departments, DoD Agencies, the National Industrial Security Program, and other Federal Agencies. In compliance with the Expanded Electronic Government, President's Management Agenda, and the DoD Enterprise Architecture Framework, ESS is the unified offering of security mission systems which facilitate and automate improved national investigative and adjudicative standards, streamline security processes, and increase DoD community collaboration.</p> <p>DSS Information Technology (IT) systems provide service critical to three major mission areas: Personnel Security; Industrial Security; and, Security Education. DSS performs this critical function through operation of its production systems named the Enterprise Security System (ESS): the Joint Personnel Adjudication System (JPAS); the Industrial Security Facilities Database (ISFD); the Defense Clearance and Investigations Index (DCII); the Improved Investigative Records Repository (iIRR); the DSS Gateway; and, the Electronic Network Registration and Online Learning system (ENROL). ESS also contains a secure web-based system to capture fingerprint information (SWFT). SWFT provides DoD and the DoD Industrial Base the capability to securely send fingerprint information to a DSS store and forward server for subsequent submission to OPM.</p>								
<b>B. Program Change Summary:</b>								
	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>					
FY2009 President's Budget	9.798	11.518	8,984					
FY2010 President's budget	9.798	11.518	1.384					
Total Adjustments	0.000	0.000	-7.600					
Congressional program reductions								
Congressional rescissions								
Congressional increases								
Reprogrammings								
One-time reduction	0.000	0.000	-7.600					
SBIR/STTR Transfer								
One-time reduction in FY2010 is to transfer funds to the Business Transformation Agency (BTA) to develop and sustain the Defense Information System for Security (DISS).								
<b>C. Other Program Funding Summary</b>								

Exhibit R-2a, RDT&E Project Justification							Date: May 2009	
APPROPRIATION/BUDGET ACTIVITY RDT&E, DW / 07	Defense Information System for Security 0604130V (Enterprise Security System)							
COST (\$ in Millions)	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015
	9.798	11.518	1.384					
<b>A. Mission Description and Budget Item Justification:</b>								
<p>The Defense Security Service (DSS) manages the Enterprise Security System (ESS) to provide an effective, real-time, security support capability for the Military Departments, DoD Agencies, the National Industrial Security Program, and other Federal Agencies. In compliance with the Expanded Electronic Government, President's Management Agenda, and the DoD Enterprise Architecture Framework, ESS is the unified offering of security mission systems which facilitate and automate improved national investigative and adjudicative standards, streamline security processes, and increase DoD community collaboration.</p> <p>DSS Information Technology (IT) systems provide service critical to three major mission areas: Personnel Security; Industrial Security; and, Security Education. DSS performs this critical function through operation of its production systems named the Enterprise Security System (ESS): the Joint Personnel Adjudication System (JPAS); the Industrial Security Facilities Database (ISFD); the Defense Clearance and Investigations Index (DCII); the Improved Investigative Records Repository (iIRR); the DSS Gateway; and, the Electronic Network Registration and Online Learning system (ENROL). ESS also contains a secure web-based system to capture fingerprint information (SWFT). SWFT provides DoD and the DoD Industrial Base the capability to securely send fingerprint information to a DSS store and forward server for subsequent submission to OPM. The one-time reduction in FY2010 is to fund research and developmental information technology to the Business Transformation Agency for the Defense Agencies Initiative.</p>								
<b>B. Accomplishments/Planned Program</b>								
	FY2008	FY2009	FY2010	FY2011				
Accomplishment / Effort / Subtotal Cost	9.798	11.518	1.384					
RDTE Articles Quantity (as applicable)	N/A	N/A	N/A					
<b>Accomplishments and In Progress Activities:</b>								
<p>Accomplishments include completion of an analysis of the Joint Personnel Adjudication System (JPAS) system architecture and design, hardware/infrastructure configuration, database design, disaster recovery viability and information assurance/data integrity posture. Implemented required Agency Use block codes to reflect requirements for extra coverage and federal investigations processing center codes for special processing needs of the eQIP and a collaborative adjudication facility designation for the National Geospatial Intelligence Agency (NGA) to input adjudicative decisions on NGA personnel. Established a DCII Batch Query Interface that will allow the Army CAF's system (CATS) to query investigative information for person records. Also, the first phase of a Secure Web Fingerprint Transmission (SWFT) Pilot Program was completed allowing designated customers to enter demographic</p>								

APPROPRIATION/BUDGET ACTIVITY

Defense Information System for Security 0604130V

RDT&amp;E, DW / 07

(Enterprise Security System)

information, upload electronic fingerprint images, store, and forward via secure web. In Progress Activities include a Defense Integrated Military Human Resources System (DIMHRS) Interface for bi-directional feed of personal identifiable data (PID) from DIMHRS and JPAS; a interface to exchange data with the Joint Reform Teams Case Adjudication Tracking Systems (CATS); establish the ability to collect facility security information on facilities with foreign ownership control and influence via the eFOCI database; and, develop user and system requirements for the next generation ISFD.

**Planned and Future Program Activities:** In compliance with the Expanded Electronic Government, President's Management Agenda, and the DoD Enterprise Architecture Framework, ESS is the unified offering of security mission systems which facilitate and automate improved national investigative and adjudicative standards, streamline security processes, and increase DoD community collaboration. ESS RDT&E enhancements are needed to support the decrease in investigation timeline, safeguard systems and data, and keep the ESS applications compliant with statutory and regulatory requirements.

RDT&E for ESS primarily includes pre-planned product improvements (P3I) to the ESS applications, researching and improving assured information sharing, better posturing systems and networks against vulnerabilities, ensuring self defense of systems and networks, and safeguarding data at all stages.

These RDT&E enhancements will permit DSS OCIO to increase the efficiency, capabilities, and security of the ESS Applications. Pre-Planned Product Improvements (P3I) to the ESS Applications, as well as securing the ESS through Assured Information Sharing, Highly Available Enterprise, Cyber-Situational Awareness and Network Defense, and Assured Enterprise Management and Control will be accomplished. Further, DSS will be able to meet the new DoD mandate for Controlled Unclassified Information (CUI). Further, it is paramount for the Agency to protect the privacy rights associated with nearly eight million person-records to ensure that the enterprise is resistant to privacy act violations and personal information loss; a total loss of which could cost upwards of \$1 billion in terms of notifications and credit-monitoring services, as well as an incalculable loss in Agency reputation.

Finally, these RDT&E system improvements will allow DSS to improve the system to better meet the evolutionary needs of the user community, the Department of Defense, and the greater Federal Government. They would also provide DSS the flexibility to respond to future changes to law and Department policy/procedure that affect the various ESS applications, as well as responding to these changes within schedule constraints. From an Information Assurance/Security perspective, the Agency will need to be able to support the cornerstones/goals of the Global Information Grid Information Assurance (GIG IA) architecture, which are critical to ensure our continued net-readiness. Without investments in system security engineering, IA, and information security, DSS will fall behind in protecting its systems/networks/enclaves, detecting threats, and thwarting threats.

#### C. Other Program Funding Summary

#### D. Acquisition Strategy.

DSS awarded an Enterprise Security System (ESS) Development BPA in February 2008. Enhancements to the ESS applications will be issued as Task Orders under this BPA.

Exhibit R-2a, RDT&E Project Justification	Date: May 2009
APPROPRIATION/BUDGET ACTIVITY RDT&E, DW / 07	Defense Information System for Security 0604130V (Enterprise Security System)

<b>E. Major Performers</b>				
<b>Performer</b>	<b>Title</b>	<b>Location</b>	<b>Brief Task Description</b>	<b>Award Date (Month/Year)</b>
SAIC	Enhancement Developer	Columbia, MD	To develop identified enhancements for the DSS production applications via task orders issued under the DSS Development BPA.	Feb 2008
Northrop Grumman		Herndon, VA		
EDS		Herndon, VA		

Exhibit R-3, RDT&E Project Cost Analysis

Date: May 2009

APPROPRIATION/BUDGET ACTIVITY RDT&E, DW / 07				PROGRAM ELEMENT 0604130V				PROJECT NAME Defense Information System for Security (Enterprise Security System)				
Cost Categor y (Tailor to WBS)	Contract Method & Type	Performin g Activity and Location	Total PY Cost (\$M)	FY09 Cost (\$M)	FY09 Award Date	FY10 Cost (\$M)	FY10 Award Date	FY11 Cost (\$M)	FY11 Award Date	Cost to Complete	Total Cost (\$M)	Contract Target Value
NA	BPA (FFP)	Various	\$9.798	\$11.518	TBD	\$1.384	TBD					
Remarks: Total PY & FY Costs exceeds funding profile in some FYs due to use of PY RDT&E to fund current year requirements. Specific Task Orders to be issued on DSS Development BPA are TBD.												

Exhibit R-4, RDT&E Project Schedule Profile

Date: May 2009

APPROPRIATION/BUDGET ACTIVITY		PROGRAM ELEMENT		PROJECT NAME																																	
RDT&E, DW / 07		0604130v		Defense Information System for Security (Enterprise Security System)																																	
Fiscal Year	FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015								
	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	1	2	3	4	1	2	3	4	
Technology Development of ESS Applications																																					
Production and Deployment of Enhancements					▲				▲	▲	▲	▲																									
O&M																																					
Remarks:																																					