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**Department of Defense
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



Defense Security Service

Defense Wide Justification Book Volume 5 of 5

Research, Development, Test & Evaluation, Defense-Wide

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Defense Security Service • President's Budget Submission FY 2016 • RDT&E Program

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Defense-Wide
 FY 2016 President's Budget
 Exhibit R-1 FY 2016 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

08 Jan 2015

Appropriation: 0400D Research, Development, Test & Eval, DW

Line No	Program Element Number	Item	Act	FY 2014 (Base & OCO)	FY 2015 Base Enacted	FY 2015 OCO Enacted	FY 2015 Total Enacted	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Sec
178	0604130V	Enterprise Security System (ESS)	07	7,552	3,988		3,988	7,929		7,929	U
225	0305327V	Insider Threat	07		8,670		8,670	11,733		11,733	U
		Operational System Development		7,552	12,658		12,658	19,662		19,662	
Total Research, Development, Test & Eval, DW				7,552	12,658		12,658	19,662		19,662	

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Program Element Table of Contents (by Budget Activity then Line Item Number)

Budget Activity 07: Operational Systems Development
Appropriation 0400: Research, Development, Test & Evaluation, Defense-Wide

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Line Item	Budget Activity	Program Element Number	Program Element Title	Page
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Program Element Table of Contents (Alphabetically by Program Element Title)

Program Element Title	Program Element Number	Line Item	Budget Activity	Page
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Insider Threat	0305327V	225	07.....	Volume 5 - 9

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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Defense Security Service **Date:** February 2015

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 0604130V / <i>Enterprise Security System</i>
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COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	93.925	7.552	3.988	7.929	-	7.929	6.641	3.275	3.332	3.399	Continuing	Continuing
000: <i>Enterprise Security System</i>	93.925	7.552	3.988	7.929	-	7.929	6.641	3.275	3.332	3.399	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Security Service (DSS) oversees the protection of the nation's most critical technological and information assets, administers the National Industrial Security Program (NISP) on behalf of the Department of Defense and 27 other Federal agencies. In this capacity, DSS is responsible for providing security oversight, counterintelligence coverage and support to almost 10,000 cleared companies (comprising over 13,500 + industrial facilities and about 1.2 million cleared contractors), and accreditation of more than 14,000 classified information technology systems in the NISP. DSS also serves as the functional manager responsible for the execution and maintenance of DoD security training.

The Defense Security Service manages the National Industrial Security Program (NISP) to provide an effective, real-time, security support capability for the 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, NISP 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.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	7.552	3.988	3.800	-	3.800
Current President's Budget	7.552	3.988	7.929	-	7.929
Total Adjustments	-	-	4.129	-	4.129
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Program Increase	-	-	4.129	-	4.129

Change Summary Explanation

Increase is due to additional funds being allocated to the support of Mobile Web applications and Proactive Monitoring.

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service										Date: February 2015		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System</i>				Project (Number/Name) 000 / <i>Enterprise Security System</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
000: <i>Enterprise Security System</i>	93.925	7.552	3.988	7.929	-	7.929	6.641	3.275	3.332	3.399	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Security Service manages the Enterprise Security System (ESS) to provide an effective, real-time, security support capability for the 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, 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.

The DSS Mission Information Technology (IT) systems provide critical service to the major DSS mission areas for Industrial Security Oversight and Security Education. DSS performs this critical function through operation of its mission production systems to include the Industrial Security Facilities Database (ISFD), the DSS Gateway, and the Security Training Education and Professionalization Portal (STEPP). RDT&E for DSS mission systems primarily includes pre-planned product improvements to the applications, researching and improving assured information sharing to better posture systems and networks against vulnerabilities, ensuring self-defense of systems and networks, and safeguarding data at all stages for the DSS to increase efficiencies by providing web-based systems to manage certification and accreditation activities. These IT systems are as follows:

Office of Designated Approving Authority (ODAA) Business Management System (OBMS). The OBMS will automate the approval and certification process of cleared industry’s classified information processing security plans and operations. This will increase mission efficiency by providing a web-based system to manage certification and accreditation activities, provide improved reporting capabilities to support DSS and industry through improved metrics, accreditation timeliness and accuracy and reduce the number of unaccredited systems by providing automated notifications to DSS and industry.

eFCL: The eFCL will be a centralized repository for information of facilities participating in the National Industrial Security Program (NISP). The eFCL will capture facility information relating to a cleared facility, from the initial processing of the facility clearance, the record decision pertaining to facility clearance request, to include Foreign Ownership Control or Influence (FOCI) information, as well as decommissioning the facility clearance, and capturing the DSS oversight activities. The eFCL will provide a means for users to submit, update, search, and view facility verification requests.

Industrial Security Facilities Database (ISFD). ISFD is the main DSS mission system that tracks and executes the National Industrial Security Program for DoD and 27 other Federal Executive Agencies of cleared industrial security facilities. The ISFD provide users with a nationwide perspective on National Industrial Security Program related facilities, as well as, facilities under DSS oversight in the DoD conventional AA&E program. ISFD provides source data for the DoD Joint Personnel Adjudicative System (JPAS) and the Facility Verification Request (FVR) application.

National Industrial Security System (NISS, formerly known as Field Operations System (FOS). The NISS is slated as the next generation enterprise capability, replacing the Industrial Security Facility Database (ISFD). Additionally, NISS will provide seamless integration of other DSS systems and applications, such as eFCL, OBMS, DD-254, and Mobile Workforce Applications. NISS will provide DSS with comprehensive enhanced capability to manage its entire mission portfolio. NISS will improve

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service **Date:** February 2015

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System</i>	Project (Number/Name) 000 / <i>Enterprise Security System</i>
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information sharing and collaboration, providing timely and accurate data in the hands of field representatives for decision-making. The system will provide agency-wide metrics to measure and improve agency performance in providing security oversight and the protection of national security.

The National Contract Classification System (NCCS). The Federal Acquisition Regulation (FAR) requires a DD Form 254 be incorporated in 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 providing classified information access and guidance required to perform on classified contracts. The DD 254, an underlying business processes, is critical to ensure access to our Nation's classified information is properly safeguarded.

National Industrial Security Program (NISP) 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), directing accelerated use of PKI across the enterprise. This initiative is designed to enable multiple DSS business systems to have service-accessibility that is controlled through PKI-compliant single sign-on authentication. Expanded use of the NCAISS across the DSS 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 will also incorporate any remaining DSS operated application into the DSS NCAISS solution.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
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Title: Systems Enhancement	7.552	3.988	7.929
FY 2014 Accomplishments:			
1. National Industrial Security System (NISS). Completed Phase I of Business Re-engineering (BPR). Completed Phase I Functional Requirements. Obtained DCMO Pre-Milestone A approval for acquisition of the NISS Material Solution. Initiated Phase II of the Business Re-engineering (BPR) in July 2014 which includes non-material solutions review and implementations.			
2. Mobile Workforce Applications (MWA). Complete the functional and technical requirements, and test prototypes. Leverage DoD Enterprise Mobility capabilities in deploying services to DSS, DoD, and Industry.			
3. National Industrial Security Program (NISP) Control Access and Information Security System (NCAISS). Accomplish migration from the IdM to its replacement since Oracle will no longer support the Sun IdM product. This will be a major upgrade to the IdM program. Once existing applications are interfaced with NCAISS and transitioned; production to incorporate other DSS's applications to the new platform will continue.			

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service	Date: February 2015
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System</i>	Project (Number/Name) 000 / <i>Enterprise Security System</i>
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
<p>4. Migration from Sun-based NCAISS Solution to its replacement, Oracle will no longer support the Sun NCAISS product in 2014. This will be a major upgrade to the NCAISS program. Once existing applications are interfaced with NCAISS, transitioned, production to incorporate other DSS' application to the new platform will continue into FY2014.</p> <p>5. Office of Designated Approving Authority(ODAA) Business Management System (OBMS). The OBMS system was released for initial operating capability (IOC) in July for a 6 month user testing effort. Continue to support operations and sustainment activities which typically are applying security patches and software upgrades plus other system administration functions.</p> <p>FY 2015 Plans:</p> <p>1. NISS. Execute acquisition of NISS Project Integrator through Proof of Concept product demonstrations. Conduct prototyping of Facility Clearance (FCL) Processing module with initial development exception rules. Acquisition will include purchase of infrastructure licensing and hardware. Initial baseline includes Analytics and Reporting capabilities. DCMO approval will permit acquisition for development activities to begin approximately at the end of Q2 of FY2015 with delivery increment one during late Q3 of FY2015. Maintenance is scheduled to begin the first year.</p> <p>2. ISFD. Completed assessment of ISFD application code with automated and manual checks.</p> <p>FY 2016 Plans:</p> <p>1. NISS. Complete development for the FCL Processing module. Revalidate requirements begin prototyping incident response and proactive monitoring modules. Requirements workshops to support Mobile Workforce Applications (MWA) will follow the completion of each new module immediately after development of core capabilities. Analytics and reporting capabilities will expand with each new module. Begin Development of NISS Increment 1 for consolidation of ISFD and eFCL functions, implement BPR Future state workflows, dashboard, notification and native mobile capabilities.</p> <p>2. NCCS. Continued enhancements and version releases and FOC in FY 16.</p> <p>3. OBMS. Application enhancements, Security patching, software upgrades and continued sustainment activities.</p> <p>4. NCAISS. Continued integration and application sustainment costs, with some software upgrades</p> <p>5. ISFD. Execute LDAP (may include NCAISS Interface) and Discoverer (OBIEE) Upgrades.</p>			
Accomplishments/Planned Programs Subtotals	7.552	3.988	7.929

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

N/A

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service **Date:** February 2015

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

DSS will use a variety of acquisition appropriate vehicles 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 significantly reduce the lead time in contract award process and reduce overhead contract cost, improve technical solutions and deployments, and deliver more effective and efficient automation projects for DSS and the NISP community.

E. Performance Metrics

N/A

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Defense Security Service		Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System</i>	Project (Number/Name) 000 / <i>Enterprise Security System</i>

Exhibit R-4

Exhibit R-4, RDT&E Project Schedule Profile																Date: September 2014																
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT								PROJECT NAME																							
RDT&E, DW / 07	0604130V								Enterprise Security System																							
Fiscal Year	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	1	2	3	4
Technology Development of ESS Applications	[Hatched Area]																															
Production and Deployment of Applications																																
O&M	[Hatched Area]																															
Remarks:																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Defense Security Service		Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0604130V / <i>Enterprise Security System</i>	Project (Number/Name) 000 / <i>Enterprise Security System</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Technology Development of ESS Applications</i>				
Production and Deployment Enhancements	1	2014	4	2020

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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Defense Security Service **Date:** February 2015

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 0305327V / <i>Insider Threat</i>
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COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	0.000	-	8.670	11.733	-	11.733	2.100	-	-	-	Continuing	Continuing
0305327V: <i>Insider Threat</i>	0.000	-	8.670	11.733	-	11.733	2.100	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The DoD Insider Threat program will provide an integrated capability to monitor and audit information for insider threat detection and mitigation. The program will gather, integrate, review, assess, and respond to information derived from CI, security, cyber security, civilian and military personnel management, workplace violence, anti-terrorism risk management, law enforcement, the monitoring of user activity on DoD information networks, and other sources as necessary and appropriate to identify, mitigate, and counter insider threats. Key elements of the Insider Threat program and security reform efforts are the implementation of Continuous Evaluation (CE) and establishment of the Defense Insider Threat Management and Analysis Center (DITMAC).

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	-	8.670	-	-	-
Current President's Budget	-	8.670	11.733	-	11.733
Total Adjustments	-	-	11.733	-	11.733
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• One -Time Increase	-	-	11.733	-	11.733

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service **Date:** February 2015

Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0305327V / <i>Insider Threat</i>				Project (Number/Name) 0305327V / <i>Insider Threat</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
0305327V: <i>Insider Threat</i>	-	-	8.670	11.733	-	11.733	2.100	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The DoD Insider Threat program will provide an integrated capability to monitor and audit information for insider threat detection and mitigation. The program will gather, integrate, review, assess, and respond to information derived from CI, security, cybersecurity, civilian and military personnel management, workplace violence, anti-terrorism risk management, law enforcement, the monitoring of user activity on DoD information networks, and other sources as necessary and appropriate to identify, mitigate, and counter insider threats. Key elements of the Insider Threat program and security reform efforts are the implementation of Continuous Evaluation (CE) and establishment of the Defense Insider Threat Management and Analysis Center (DITMAC).

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

	FY 2014	FY 2015	FY 2016
Title: Insider Threat	-	8.670	11.733
FY 2014 Accomplishments: N/A			
FY 2015 Plans: Funding enhances the capabilities of the Insider Threat program to deter, detect and mitigate threats from exploitation, compromise and or other unauthorized disclosure. Funds development and evaluation of CE tools and systems. Expands CE capacity and Improves access to near real time data feeds from systems capable of providing reports and alerts. Performs proof of concept to identify analytic tools' efficacy and inform future system development. Funding also supports assessment of emerging technologies and development of DITMAC technical requirements.			
FY 2016 Plans: Funding will continue development of the DoD Insider Threat program, including the enhancement of CE and DITMAC tools and systems. Research and development efforts will be used to prove the technical capability of using automated record checks in an end-to-end process to achieve CE and influence personnel security reform. Efforts will include a synthesis of current investigative and adjudicative standards, as well as new methodologies to evaluate the whole-person concept. Furthers DITMAC IT Architecture Engineering Development for systems that will provide ingest, processing, and case management capabilities, relying on feeds from CE and monitoring systems.			
Accomplishments/Planned Programs Subtotals	-	8.670	11.733

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

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Security Service	Date: February 2015
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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305327V / <i>Insider Threat</i>	Project (Number/Name) 0305327V / <i>Insider Threat</i>
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C. Other Program Funding Summary (\$ in Millions)

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

TBD

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Defense Security Service		Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305327V / <i>Insider Threat</i>	Project (Number/Name) 0305327V / <i>Insider Threat</i>

Remarks
Funding will further enhance the capabilities of the Insider Threat program to deter, detect and mitigate threats through successful implementation of Continuous Evaluation and establishment of the Defense Insider Threat Management and Analysis Center .

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Defense Security Service		Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305327V / <i>Insider Threat</i>	Project (Number/Name) 0305327V / <i>Insider Threat</i>

Exhibit R-4

Exhibit R-4, RDT&E Project Schedule Profile													Date: February 2015																			
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT				PROJECT NAME																											
RDT&E, DW / 07	0305327V				Insider Threat																											
Fiscal Year	FY 2015				FY 2016				FY 2017																							
	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 Applications		▲		▲			▲	▲		▲	▲																					
O&M																																
Remarks:																																

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Defense Security Service **Date:** February 2015

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0305327V / <i>Insider Threat</i>	Project (Number/Name) 0305327V / <i>Insider Threat</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Insider Threat</i>				
Insider Threat	1	2015	4	2017