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COST ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	7.421	7.973	7.220	-	7.220	7.232	7.107	6.771	6.978	Continuing	Continuing
P163: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*	7.421	7.973	7.220	-	7.220	7.232	7.107	6.771	6.978	Continuing	Continuing

Note

We changed the name of the PE from "Nuclear and Conventional Physical Security Equipment" to "Nuclear and Conventional Physical Security/Countering Nuclear Threats." It is important to highlight Combating Nuclear Threats given the potential spread of weapons of mass destruction (WMD) and how WMD threatens the security of the United States, its allies, and US deployed forces. As President Obama has repeatedly stated, nuclear-armed terrorists are “the most immediate and extreme threat to global security,” and thereby to the security of the United States.

A. Mission Description and Budget Item Justification

This program coordinates system development and demonstration for nuclear and conventional physical security equipment (PSE) technology and systems as well as for countering nuclear threats throughout DoD. The funding has been centralized in this Defense-wide Program Element (PE) since the early 1990s and represents a substantial portion of all DoD PSE RDT&E funding. The program supports the protection of DoD personnel and facilities in tactical and fixed scenarios for both the nuclear and conventional environments. Priorities for this Program Element’s RDT&E efforts are driven by inputs from QDR guidance, COCOMs (Joint Urgent Operational Need Statements {JUONS}), Services, analysis reports, such as “Protecting the Force: Lessons from Fort Hood (January 2010), the Integrated Unit, Base, and Installation Protection (IUBIP) Cost Benefits Analysis (CBA), and DoD Directive 5210.41M (Nuclear Weapon Security Manual: DoD Nuclear Weapon Environment-Specific Requirements) directed requirements and associated Deviation Reports.

The funds are used to provide PSE advanced component development and prototypes for individual Service and Joint requirements that lead to capability in three functional mission areas: (1) nuclear physical security; (2) countering nuclear threats; and (3) conventional physical security. The projects under the Program Element either (a) lead to Programs of Record, (b) become technology insertions into existing programs; or (c) advance to being a certified COTS product. The overall program element initiatives are coordinated by three Groups: the Security Policy Verification Committee (SPVC), the Countering Nuclear Threats Working Group (CNTWG) and the Physical Security Equipment Action Group (PSEAG). The SPVC, with Air Force, Navy and Defense Threat Reduction Agency (DTRA) membership, reviews and prioritizes nuclear physical security and countering nuclear threat requirements and recommends technology projects for solutions: the CNTWG has oversight over CNT projects, and the PSEAG, with membership by all four Services and DTRA, performs similar functions for conventional requirements and solutions. When applicable, projects overlap both the nuclear and conventional environments, seeking synergism and commonality in solutions.

With few exceptions, each Service sponsors RDT&E efforts for technologies and projects that have COCOM and multi-Service applications. To avoid duplication, the SPVC and PSEAG assign projects to the Services and DTRA, as directed in DoD Instruction 3224.03, to assure continuity and development of expertise in Department-wide key technology areas. Specific examples include the Army being responsible for Interior and Exterior Detection, Security Lighting, Security Barriers and Security Display Units; the Air Force for Exterior Detection/Surveillance, Entry Control, Delay/Denial, Tactical Systems and Airborne Intrusion; the Navy for

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Waterside Security, Explosive Detection, and Locks, Safes and Vaults; and, under direction from DoD Directive 5210.41M, DTRA for security of Navy and Air Force nuclear assets.

B. Program Change Summary ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	7.628	7.973	8.609	-	8.609
Current President's Budget	7.421	7.973	7.220	-	7.220
Total Adjustments	-0.207	-	-1.389	-	-1.389
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Defense Efficiency - Baseline Budget Review	-0.207	-	-0.077	-	-0.077
• Defense Efficiency - Report, Studies, Boards and Commissions	-	-	-0.832	-	-0.832
• Defense Efficiency - Contractor Staff Support	-	-	-0.468	-	-0.468
• Economic Assumptions	-	-	-0.012	-	-0.012

Change Summary Explanation

Reprogramming was used to accommodate the maturation of PSE developmental items from advanced engineering development (BA 4) to system development and demonstration (BA 5). A reduction in PE 0603161D8Z funding reflects the additional funding in this PE.

Defense Efficiency – Baseline Review. As part of the Department of Defense reform agenda, implements a zero-based review of the organization to align resources to the most critical priorities and eliminate lower priority functions.

Defense Efficiency – Report, Studies, Boards and Commissions. As part of the Department of Defense reform agenda, reflects a reduction in the number and cost of reports, studies, DoD Boards and DoD Commissions below the aggregate level reported in previous budget submission.

Defense Efficiency – Contractor Staff Support. As part of the Department of Defense reform agenda, reduces funds below the aggregate level reported in the previous budget submission for contracts that augment staff functions.

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COST ($ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
P163: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*	7.421	7.973	7.220	-	7.220	7.232	7.107	6.771	6.978	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The purpose of this program is the system development and validation of conventional and nuclear physical security equipment (PSE) systems for all DoD components. This program supports the protection of tactical, fixed, and nuclear weapons systems, DoD personnel and DoD facilities. The funds are used to provide PSE RDT&E for continuing and evolving individual Service and joint PSE requirements that provide capability in the areas of force protection and tactical security equipment; robotic security systems integration; waterside security systems; explosive detection equipment; locks, safes and vaults; commercial-off-the-shelf (COTS) testing; and nuclear weapons security. A number of RDT&E efforts arising from PE 0603161D8Z will transition to this PE for system demonstration and validation. The PSE program is organized so that representatives from the Army, Navy, Air Force, and Defense Threat Reduction Agency (DTRA) monitor, direct and prioritize potential and existing PSE programs through the auspices of the Physical Security Equipment Action Group (PSEAG) and the Security Policy Verification Committee (SPVC). With few exceptions, each Service sponsors RDT&E efforts for technologies and programs that have multi-service application. This program element supports: 1) the Army's PSE RDT&E efforts in the areas of Interior and Exterior Detection, Security Lighting, Security Barriers and Security Display Units; 2) the Air Force's PSE RDT&E effort in the areas of Exterior Detection/Surveillance, Entry Control, Delay/Denial, Tactical Systems and Airborne Intrusion; 3) the Navy's PSE RDT&E efforts in the areas of Waterside Security, Explosive Detection, and improved technology for Locks, Safes and Vaults; and 4) DTRA's PSE RDT&E efforts that enhance the security of Navy and Air Force nuclear assets. The program element also supports all four Services' identification and redesign of developmental, non-developmental, and commercial-off-the-shelf equipment to meet physical security requirements. Activities within this program will seek to reduce risk associated with integrating, fielding, and supporting the equipment once it becomes a part of the overall security system.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
Title: Automated Vulnerability Evaluation for Risks of Terrorism (AVERT)	1.041	2.249	1.305
Description: NUCLEAR PHYSICAL SECURITY The Department of Defense has a requirement to utilize a standardized approach for Modeling and Simulation analysis to assist in risk management, determining system vulnerabilities and choosing potential upgrades at nuclear weapon-based facilities and installations. AVERT (Automated Vulnerability Evaluation for Risks of Terrorism) is the current commercial off-the-shelf product undergoing software Verification, Validation and Accreditation (VV&A) to determine its feasibility of use in the DoD environment. Both the Air Force and Navy will utilize this product to determine vulnerabilities.			
FY 2010 Accomplishments:			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
• Prepared Server in Albuquerque to be moved to DTRA HQ at Fort Belvoir, VA to be placed in the DTRA Experimental Laboratory (DEL) • Renewed AVERT Professional licenses for eight sites. • Completed Validation, Verification and Accreditation (VV&A) confirming software, software development process, modeling process and library development • Trained military and contractor personnel in use of AVERT ***FY 2011 Plans:*** • Provide additional software development/refinement, as required • Continue required training ***FY 2012 Plans:*** - Implementation of DoD wide use of a Verified, Validated, & Accredited Automated Vulnerability Evaluation for Risks of Terrorism (AVERT) software. - Develop Modeling & Simulation Center of Excellence.			
Title: Weapons Storage Vault TSB - INL ***Description:*** NUCLEAR PHYSICAL SECURITY This program focuses on research and evaluation efforts to assess improvised explosive formed projectile (EFP) and military conical shaped charge (CSC) threats against the Weapons Storage Vault (WSV) or similar systems, that prove themselves to be commensurate with, or greater than, the lethality of the current threat developed for the WSV Composite Armor System (CAS) solution. ***FY 2010 Accomplishments:*** - Conduct validation testing of structure, designed and constructed using cast-in place reinforced concrete. ***FY 2011 Plans:*** - Conduct follow on testing for possible transition to MILCON - Determine potential replacement for sand walls. ***FY 2012 Plans:*** - Transition to MILCON	0.564	0.426	0.416
Title: Battlefield Anti-Intrusion System (BAIS) ***Description:*** CONVENTIONAL PHYSICAL SECURITY	2.256	2.129	3.328

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
The BAIS is a type classified unattended tactical ground sensor system that provides early detection and classification of vehicles and personnel to enhance soldier survivability and time available to determine appropriate tactical response. Equipment requirements were developed by the US Army Infantry Center, Fort Benning, GA, in conjunction with the US Army Military Police School, Fort Leonard Wood, MO. A 2003 approved Operational Requirements Document (ORD) supports this requirement. ***FY 2010 Accomplishments:*** • Continued fielding to current level of 1,140 systems to US Army units; being used in theater and in great demand by the war fighter. • Continued Production Verification Testing-2 of Modernization Enhancements, Aberdeen Test Center, Aberdeen Proving Ground, MD. • Participated in the Feb 2010 Army Expeditionary Warrior Experiment, Fort Benning GA. • Drafted BAIS Increment 2 Capability Product Document (CDD) 4QFY10 from Maneuver Center of Excellence (MCoE). ***FY 2011 Plans:*** • Anticipate BAIS Increment 2 CDD approval 3QFY11. • Perform analysis with Maneuver Center of Excellence (MCoE), perform to determine impacts of incorporating BAIS Modernization enhancements into the production contract. • Generate Engineering Change Proposal (ECP) to incorporate results of BAIS Modernization enhancements into production contract; conduct Government Configuration Control Board meetings for review and approval of ECP. • Generate contract modification to incorporate ECP into production contract; begin production contractor implementation. ***FY 2012 Plans:*** - Produce 50 initial articles and 50-200 thereafter			
Title: Lighting Kit, Motion Detector (LKMD) ***Description:*** CONVENTIONAL PHYSICAL SECURITY LKMD Increment 2 is a small modular unattended tactical ground sensor-based early warning system. It is designed to provide early detection and warning in order to enhance force effectiveness and increase situational awareness during all types of combat operations or missions ranging from small scale contingencies and Military Operations in Urban Terrain up to high intensity combat. The LKMD provides programmable responses of illumination and sound, resulting in increased operational reaction time for individuals, teams, squads, or platoons. Upon detection of a target entering the protected area, the LKMD will activate the light modules providing a pre-programmed response of visible, infrared, or visible strobe illumination. Additionally, the motion sensor	0.316	0.341	-

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
module will provide a pre-programmed response of an audible or silent alarm and send alarm data, including images of the target, to the hand-held remote control module, notifying the operator of a detected target. LKMD can operate as a tactical, stand-alone system or is capable of being integrated into existing and future force protection and physical security systems. ***FY 2010 Accomplishments:*** • Analyzed, in conjunction with US Army Maneuver Support Center of Excellence (MSCoE), Soldier and ATEC feedback received during and after the conduct of SDD testing for recommended performance enhancements. • Determined the need for and generated three Engineering Change Proposals (ECPs) to enhance lighting control and to remove unnecessary data messages on the remote control module. • Conducted Government Configuration Control Board meetings resulting in approval and implementation of one lighting control ECP and one data message correction ECP. ***FY 2011 Plans:*** - Complete Increment 1 Production Verification Testing - Conduct CONUS fieldings including First Unit Equipped - Receive Increment 2 Draft CDD - Generate Increment 2 Analysis of Alternatives (AoA) Study Guide - Conduct Increment 2 Materiel Development Decision (MDD) Meeting - Generated AoA Study Plan and begin AoA study - Begin generation of Milestone A or B acquisition documentation			
Title: Force Protection Equipment Demonstration (FPED) VIII ***Description:*** CONVENTIONAL PHYSICAL SECURITY FPED is the largest DOD event of its kind featuring live display of Commercial Off-The-Shelf equipment solutions (COTS) to current and evolving force protection and physical security challenges. There are twenty categories of equipment for exhibitors to demonstrate items of equipment designed to reduce vulnerabilities to terrorism, including improvised explosive devices, and enhance the overall security of US and allied interests. FPED provides decision-makers the opportunity to observe COTS force protection equipment available for procurement and testing within 90 days. ***FY 2010 Accomplishments:*** • Placed subcontracts into position for multimedia, database design, and web master support and hosting services. • Initiated planning for the next FPED scheduled for May 19-21, 2011 at the Stafford, VA Regional Airport. • Initiated site surveys and vendor siting process.	1.373	1.935	1.172

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
• Signed Memorandum of Agreement and Hold Harmless Agreement with Stafford Regional Airport, Stafford, VA for execution of FPED. ***FY 2011 Plans:*** - Award Phase II of the FPED management support contract - Award follow-up support contracts to Earthcare Technologies and Empire Media Group - Continue to collect and approve CD input - Continue the vendor siting process - Host FPED 17-19 May 11 ***FY 2012 Plans:*** • Place subcontracts into position for multimedia, database design, and web master support and hosting services. • Initiate planning for the next FPED in FY13 • Initiate site surveys and vendor siting process. • Sign Memorandum of Agreement and Hold Harmless Agreement with Stafford Regional Airport, Stafford, VA for execution of FPED.			
Title: Advanced Container Security Device ***Description:*** CONVENTIONAL PHYSICAL SECURITY This project adapts the capabilities of the Department of Homeland Security (DHS) Container Security Device (CSD) to meet Navy/DoD physical security, anti-tamper, and situational awareness requirements for munitions transport and storage. The DHS CSD “fingerprints” the interior volume of a container or railcar, and detects changes caused by door opening or sidewall breach. The Advanced CSD will be optimized for the munitions storage environment to reduce nuisance and false alarms, and is suitable for inter-modal transportation with containers in motion. Supporting Requirements Documents: IBDSS CDD Detect 1,6,7; Navy ATFP Ashore CDD 4.7, 4.8, 4.9 & 4.10; OPNAVINST 5530.13C ***FY 2010 Accomplishments:*** • Conducted HERO Assessment ***FY 2011 Plans:*** • Commence Information Assurance certification • Field 25 units • Issue procurement package ***FY 2012 Plans:***	0.098	0.170	0.333

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
- Procurement packages			
Title: Physical Security of Storage Magazines ***Description:*** CONVENTIONAL PHYSICAL SECURITY At the request of the Under Secretary of Defense (Intelligence) (OUSD (I)), the DoD Lock Program conducted tests on existing magazine door designs. Results indicate many doors provide less than 10 minutes of resistance against attacks using commercially available tools. Therefore, security for current storage magazines must rely heavily on manpower to keep adversaries from gaining access to sensitive assets. The purpose of this project is to develop design criteria, for new construction and to retrofit existing structures, to provide 10 minutes of forced entry protection. Supporting Requirement Documents: Tier 1 - 2.1.1.1 IUBIP ICD JAN08, Capability Gap Priority 19, DoDD 5100.76M. ***FY 2010 Accomplishments:*** • Conducted Explosive and Ballistic Tests on Guam Door Design • Completed Guam Door Design and Submitted to Defense Explosives and Safety Board • Finished Prototype for Thermal Relocker Burn Bar Tests • Identified performance specifications for Magazine Door transition • Installed six doors at Eglin AFB ***FY 2011 Plans:*** • Provide Acquisition Field Support ***FY 2012 Plans:*** - Design and test prototype for transitioning to the Services for implementation. - Transition to MILCON/Weapon Storage Area structure refresh.	0.196	0.213	0.333
Title: Short Range Threat Detection Systems ***Description:*** CONVENTIONAL PHYSICAL SECURITY Various systems have been developed to identify threat devices on personnel. These systems detect a person borne threat at a short range of 30 meters or closer. Several of these systems have been built and tested individually but a comparative test and evaluation needs to be conducted to determine the benefits and limitations of each system. The test and evaluation reports for short range threat imaging will be made available to all of the services and other government agencies. JUONS CC-0325, JUONS CC-0315, IUBIP ICD, IEDD ICD, JSEOD ICD, IBDSS CDD, USCENTCOM FY10-15 Integrated Priority List (IPL)	0.294	0.255	-

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
FY 2010 Accomplishments: • BAA Sources Sought Announcement • Selection of systems to participate • Design Test Plan • Test all but ionizing radiation systems • Begin test report ***FY 2011 Plans:*** • Test ionizing radiation systems • Finalize report • Provide SME support to acquisition programs to identify systems to meet their particular needs			
Title: Joint Requirements Working Group ***Description:*** CONVENTIONAL PHYSICAL SECURITY The JRWG is a permanent working group established under the auspices of DOD PSEAG in accordance with DODI 3224.03 of 1 October 2007. Its assigned responsibilities include, but are not limited to, the review and harmonization of conventional RDT&E of Physical Security Equipment (PSE) proposed, as well as, ongoing projects. ***FY 2010 Accomplishments:*** This is an on-going working group charged with validating requirements ***FY 2011 Plans:*** This is an on-going working group charged with validating requirements ***FY 2012 Plans:*** This is an on-going working group charged with validating requirements	0.211	0.255	0.333
Title: PSEAG Strategic Plan ***Description:*** CONVENTIONAL PHYSICAL SECURITY The primary purpose of this project is to (1) propose a study plan for approval, (2) review the current PSEAG business model, (3) interview key personnel in key organizations, (4) propose a ten-year Strategic Plan for approval, (5) and publish the approved plan reflecting a newly approved vision, mission, goals, objectives and associated metrics. ***FY 2010 Accomplishments:***	0.294	-	-

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2010	FY 2011	FY 2012
(1) propose a study plan for approval, (2) review the current PSEAG business model, (3) interview key personnel in key organizations, (4) propose a ten-year Strategic Plan for approval, (5) and publish the approved plan reflecting a newly approved vision, mission, goals, objectives and associated metrics.			
Title: Interactive Voice Response (IVR) System ***Description:*** CONVENTIONAL PHYSICAL SECURITY The Interactive Voice Response System will provide DoD personnel with access to current security equipment information by phone 24 hours a day / 7 days a week / 365 days per year. This will be accomplished by incorporating a biometric (voice) identification capability into the current Tech Transfer Hotline system. ***FY 2010 Accomplishments:*** - Integrate into Navy/Marine Corps Internet	0.049	-	-
Title: PSEAG Program RDT&E Integration ***FY 2010 Accomplishments:*** • Coordinated and facilitated all programmatic efforts associated with entire program, including administration of entire Program Element, conduct of program management and financial reviews, and information sharing meetings.	0.729	-	-
Accomplishments/Planned Programs Subtotals	7.421	7.973	7.220

C. Other Program Funding Summary ($ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

The program performance metrics are established/approved through the DoD Physical Security Equipment Action Group (PSEAG) and the Security Policy Verification Committee (SPVC). The cost, schedule and technical progress of each project is reviewed at quarterly PSEAG and SPVC meetings. Performance variances are addressed and corrective action is implemented as necessary.

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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
BAIS	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	3.023	0.954	May 2011	3.630	May 2012	-		3.630	Continuing	Continuing	
LKMD	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	1.422	0.704	Apr 2010	-		-		-	Continuing	Continuing	
FPED	MIPR	FM-FPS:Ft. Belvoir, VA	1.280	2.788	Dec 2010	1.051	Dec 2011	-		1.051	Continuing	Continuing	Continuing
Lock, Vaults, Safes	MIPR	NAVFAC/ESC:San Diego, CA	0.645	0.681	Jan 2010	0.941	Jan 2010	-		0.941	Continuing	Continuing	Continuing
AVERT	MIPR	DTRA:Ft. Belvoir, VA	0.877	0.960	Jan 2010	1.198	Jan 2011	-		1.198	Continuing	Continuing	Continuing
MDARS	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	1.000	-		-		-		-	Continuing	Continuing	
Joint Requirements Working Group	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	-	-		0.400	Jan 2012	-		0.400	Continuing	Continuing	
		Subtotal	8.247	6.087		7.220		-		7.220			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Locks, Safes, and Vaults	MIPR	NAVFAC:San Diego, CA	0.116	0.076	Dec 2010	-		-		-	Continuing	Continuing	
AVERT	MIPR	DTRA:Ft. Belvoir, VA	0.760	0.546	Dec 2010	-		-		-	Continuing	Continuing	
		Subtotal	0.876	0.622		-		-		-			

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
BAIS	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	1.041	0.200	Feb 2011	-		-		-	Continuing	Continuing	
Locks, Safes, and Vaults	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	0.241	0.214	Feb 2011	-		-		-	Continuing	Continuing	

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Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Subtotal	1.282	0.414		-		-		-			

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2011 Cost	FY 2011 Award Date	FY 2012 Base Cost	FY 2012 Base Award Date	FY 2012 OCO Cost	FY 2012 OCO Award Date	FY 2012 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
BAIS	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	0.350	0.150	Dec 2010	-		-		-	Continuing	Continuing	
LKMD	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	0.717	0.200	Dec 2010	-		-		-	Continuing	Continuing	
FPED	MIPR	PM-FPS (USA):Ft. Belvoir, Virginia	0.400	0.500	Dec 2010	-		-		-	Continuing	Continuing	
		Subtotal	1.467	0.850		-		-		-			

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	11.872	7.973		7.220		-		7.220			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2012 Office of Secretary Of Defense		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0604161D8Z: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*	**PROJECT** P163: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*

Exhibit R-4A, RDT&E Schedule Details: PB 2012 Office of Secretary Of Defense		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: *Research, Development, Test & Evaluation, Defense-Wide* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0604161D8Z: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*	**PROJECT** P163: *Nuclear and Conventional Physical Security/Countering Nuclear Threats*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
AVERT Training, Modeling, and Software Devoplment and Support	3	2010	4	2011
Refine BAIS Interfaces with C4ISR Components	2	2010	2	2011
LKMD Increment 1 Product Qualification and Verification Testing	1	2010	4	2010
ACDS System Certification and Demo	3	2010	4	2010
Refine BAIS size and weight	2	2010	4	2011
BAIS Product Improvement Modernization for production systems	2	2011	4	2011
Develop BAIS remote sensor activiation/deactivation capability	1	2010	2	2010
Feasibility Study of MDARS Integration	3	2010	4	2010
SDD of LKMD Increment 2	1	2010	4	2010
Execute FPED VIII	2	2011	2	2011
BAIS Product Verification Endurance Testing	1	2010	3	2010
AVERT Model Development and Risk Assessment	1	2010	3	2010
IVR System Certification and Demo	3	2010	4	2010