

UNCLASSIFIED

PE NUMBER: 0603287F

PE TITLE: Physical Security Equipment

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2006

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603287F Physical Security Equipment

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	25.915	25.563	0.298	0.461	0.475	0.476	0.490	Continuing	TBD
5121 Physical Security Equipment	25.915	25.563	0.298	0.461	0.475	0.476	0.490	Continuing	TBD

(U) **A. Mission Description and Budget Item Justification**

This program is a budget activity level 4 based on the concept/technology development activities ongoing within the program. The purpose of this program is to develop physical security equipment (PSE) systems, to include Force Protection, 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 individual Service and joint PSE requirements. The PSE program is organized so that members of the physical security equipment action group (PSEAG), which consist of the Army, Navy, Air Force, and Defense Threat Reduction Agency (DTRA) representatives monitors, directs and prioritizes potential and existing PSE programs. OSD program oversight is provided by the Office of the Under Secretary of Defense, Acquisition, Technology and Logistics (AT&L) and the Assistant Secretary of Defense for Intelligence (USD(I)). With few exceptions, each Service sponsors RDT&E efforts for technologies and programs that have multi-service application. This program element supports the Army's advanced engineering development of Interior and Exterior Detection, Security Lighting, Security Barriers and Security Display Units. In a like manner, the program element also supports the Air Force's PSE RDT&E effort in the areas of Exterior Detection/Surveillance, Entry Control, Delay/Denial, Tactical Systems and Airborne Intrusion. Finally, the program supports Navy RDT&E efforts in the areas of Waterside Security, Explosive Detection, and improved technology for Locks, Safes and Vaults. Beginning with FY 1997, this PE includes funding for Force Protection Commercial-Off-The-Shelf (FP COTS) evaluation and testing, which has received focus since the 1996 Khobar Towers terrorist bombing incident. The FP COTS testing applies to all available technologies, which are considered effective for DoD physical security use.

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

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	24.621	21.937	0.298
(U) Current PBR/President's Budget	25.915	25.563	0.298
(U) Total Adjustments	1.294	3.626	
(U) Congressional Program Reductions			
Congressional Rescissions	-0.235	-0.374	
Congressional Increases	2.220	4.000	
Reprogrammings			
SBIR/STTR Transfer	-0.691		

(U) **Significant Program Changes:**

In FY 2007, Project Number 0603287F, Physical Security Equipment, efforts will transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment, in order to recognize the synergy between nuclear weapons and conventional physical security and to leverage common solutions to common capability gaps.

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Exhibit R-2a, RDT&E Project Justification

DATE

February 2006

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603287F Physical Security Equipment

PROJECT NUMBER AND TITLE

5121 Physical Security Equipment

Cost (\$ in Millions)	FY 2005 Actual	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5121 Physical Security Equipment	25.915	25.563	0.298	0.461	0.475	0.476	0.490	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

This program is a budget activity level 4 based on the concept/technology development activities ongoing within the program. The purpose of this program is to develop physical security equipment (PSE) systems, to include Force Protection, 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 individual Service and joint PSE requirements. The PSE program is organized so that members of the physical security equipment action group (PSEAG), which consist of the Army, Navy, Air Force, and Defense Threat Reduction Agency (DTRA) representatives monitors, directs and prioritizes potential and existing PSE programs. OSD program oversight is provided by the Office of the Under Secretary of Defense, Acquisition, Technology and Logistics (AT&L) and the Assistant Secretary of Defense for Intelligence (USD(I)). With few exceptions, each Service sponsors RDT&E efforts for technologies and programs that have multi-service application. This program element supports the Army's advanced engineering development of Interior and Exterior Detection, Security Lighting, Security Barriers and Security Display Units. In a like manner, the program element also supports the Air Force's PSE RDT&E effort in the areas of Exterior Detection/Surveillance, Entry Control, Delay/Denial, Tactical Systems and Airborne Intrusion. Finally, the program supports Navy RDT&E efforts in the areas of Waterside Security, Explosive Detection, and improved technology for Locks, Safes and Vaults. Beginning with FY 1997, this PE includes funding for Force Protection Commercial-Off-The-Shelf (FP COTS) evaluation and testing, which has received focus since the 1996 Khobar Towers terrorist bombing incident. The FP COTS testing applies to all available technologies, which are considered effective for DoD physical security use.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**FY 2005FY 2006FY 2007(U) **FORCE PROTECTION/TACTICAL SECURITY EQUIPMENT**

15.946

- Received MDA approval of the acquisition plan for the Light Kit, Motion Detector (LKMD) (previously EFT).
- Corrected ASPSS design deficiencies and developed a production model.
- Completed development of a RDTS over-water detection enhancement.
- Completed the development and testing of the PICS.
- Developed Identification of Friend or Foe capability to work with wide area sensors.
- Began Smart Gate P3I efforts to improve base access control.
- Developed and documented Operational, System, and Technical Architectures.
- Continued to manage, develop, evaluate, and test Delay/Denial products.
- Continued to manage sensor and assessment product developments and tests.
- Continued to research technological advances at DoD, DoE, University Labs, DARPA, within industry, etc., with PSE utility.
- Continued to prepare operational systems improvement plans; develop technology roadmap, update system architecture.
- Continued to test, develop, and integrate equipment to improve security and access to facilities.

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Exhibit R-2a, RDT&E Project Justification			DATE February 2006		
BUDGET ACTIVITY		PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE		
04 Advanced Component Development and Prototypes (ACD&P)		0603287F Physical Security Equipment	5121 Physical Security Equipment		
(U)	<u>B. Accomplishments/Planned Program (\$ in Millions)</u>		<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U)	FORCE PROTECTION/TACTICAL SECURITY EQUIPMENT			11.466	
	<ul style="list-style-type: none"> - Award LKMD SDD contract. Conduct Production Qualification LKMD Testing - Issue Federal Business Opportunities Announcement for the Tactical Video Surveillance System (TVSS). - Conduct market survey for the TVSS. - Conduct Concept Exploration for best technical approach to integrate TVSS with other phenomenology for Tactical Intrusion Detection. - Conduct Operational Testing of ASPSS. - Refine or research improvements for the Smart Gate program. - Continue TASS P3I efforts including improvements to the annunciator. - Continue to manage, develop, evaluate, and test Delay/Denial products. - Continue to manage sensor and assessment product developments and tests. - Continue to research technological advances at DoD, DoE, University Labs, DARPA, within industry, etc., with PSE utility. - Continue to prepare operational systems improvement plans; develop technology roadmap, update system architecture. - Continue to test, develop, and integrate equipment to improve security and access to facilities. 				
(U)	FORCE PROTECTION/TACTICAL SECURITY EQUIPMENT				0.298
	<ul style="list-style-type: none"> - Conduct a Leap Ahead assessment of current PSE capability. 				
(U)	ROBOTIC SECURITY SYSTEMS INTEGRATION		0.850		
	<ul style="list-style-type: none"> - Designed MPP modular architecture. - Built a smaller weatherized/ruggedized MPP prototype. - Developed interface between sensors and communications modules for the MPP. - Performed lab and field analysis of mobile intrusion detection from an external robotics platform. - Transitioned Doppler sensor and processing for the capability to detect intruders from a moving platform. - Made FPASS improvements relative to battery life, IR and EO imaging, and airframe durability. 				
(U)	ROBOTIC SECURITY SYSTEMS INTEGRATION			1.788	
	<ul style="list-style-type: none"> - Demonstrate ability to network robotic systems to provide enhanced detection, surveillance, and response in all aspects of installation force protection and installation security. - Continue efforts to improve the operational capability and safety of integrated weapon systems and robotics platforms employed in force protection and security missions. - Continue imagery improvements for the FPASS. 				
(U)	ROBOTIC SECURITY SYSTEMS INTEGRATION				
	In FY 2006, Project Number 0603287F, Physical Security Equipment, efforts transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment. Please see PE 603161D for FY 2007 accomplishments.				
(U)	WATERSIDE SECURITY SYSTEM		1.700		
	<ul style="list-style-type: none"> - Conducted a comprehensive test program for the Reson, Thales, Lockheed, and other sonars in support of Subsurface Threat Detection. - Conducted in-water tests of Sea Fence and a composite material lightweight barrier developed by the Naval Facilities Engineering Support Center to provide Swimmer Delay, 				
Project 5121		R-1 Shopping List - Item No. 41-3 of 41-13		Exhibit R-2a (PE 0603287F)	

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Exhibit R-2a, RDT&E Project Justification			DATE February 2006		
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)		PE NUMBER AND TITLE 0603287F Physical Security Equipment	PROJECT NUMBER AND TITLE 5121 Physical Security Equipment		
(U)	<u>B. Accomplishments/Planned Program (\$ in Millions)</u>		<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
	Denial, and Response capability.				
	- Integrated subsurface response capabilities to the baseline weapon system security architecture at high profile naval facilities.				
	- Tested and evaluated COTS VMD products that may integrate to provide shoreline intrusion detection.				
	- Began behavioral testing in support of Non-Lethal Diver Deterrence.				
	- Began human effects testing in support of Non-Lethal Diver Deterrence.				
	- Collected data on divers using various types of equipment in an effort to use a Passive Broadband to Classify Underwater Intruders.				
	- Conducted surface WSS surveys of sister Air Force installations to maximize their protection from waterborne threats.				
(U)	WATERSIDE SECURITY SYSTEM			2.500	
	- C3 Integration of Pierside and Shipboard Security Systems.				
	- Begin upgrade of Swimmer Detection sonars.				
(U)	WATERSIDE SECURITY SYSTEM				
	In FY 2006, Project Number 0603287F, Physical Security Equipment, efforts will transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment. Please see PE 603161D for FY 2007 accomplishments.				
(U)	EXPLOSIVE DETECTION EQUIPMENT		3.705		
	- Repackage MMW prototype systems to meet operational requirements.				
	- Refine the MMW technology for optimization in the stand-off detection of IEDs and suicide bombers.				
	- Initiate LRIP of the Laser IMS Handheld Explosive Detector.				
	- Complete the development of the basic Remote/Stand-off Explosive Detection System design and transition the basic design to industry.				
	- Optimize technology identified in the Counter Bomb/Counter Bomber Advanced Concept Technology Demonstration (ACTD).				
	- Invest in the integration of image and chem/bio detection to counter the WMD threat.				
(U)	EXPLOSIVE DETECTION EQUIPMENT			7.066	
	- Invest in the integration of image and chem/bio detection to counter the WMD threat.				
	- Invest in the reduction of the manpower footprint associated with the detection of vehicle and cargo explosive threats.				
	- Award development contract for Video/Radar Concealed Bomb Detection.				
(U)	EXPLOSIVE DETECTION EQUIPMENT				
	In FY 2006, Project Number 0603287F, Physical Security Equipment, efforts will transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment. Please see PE 603161D for FY 2007 accomplishments.				
(U)	LOCKS, SAFES, VAULTS		1.314		
	- Developed a light-weight weapons armory door ILD system.				
	- Incorporated design improvements for the ILD to increase operation and forced entry resistance.				
	- Evaluated Storage Magazine construction for the purpose of determining the security of storage structures through testing and engineering analysis.				
	- Initiated development of cost effective upgrade packages for substandard magazine door systems.				
Project 5121		R-1 Shopping List - Item No. 41-4 of 41-13		Exhibit R-2a (PE 0603287F)	

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Exhibit R-2a, RDT&E Project Justification							DATE February 2006	
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)				PE NUMBER AND TITLE 0603287F Physical Security Equipment		PROJECT NUMBER AND TITLE 5121 Physical Security Equipment		

<p>(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u></p> <p style="margin-left: 20px;">- Acted as a repository/center of excellence for ILD information and provide ILD installation coordination, support and training for DoD activities.</p> <p>(U) LOCKS, SAFES, VAULTS 1.332</p> <p style="margin-left: 20px;">- Complete the light-wight weapons armory door ILD prototype.</p> <p style="margin-left: 20px;">- Develop ILD design improvements to increase operational capbility and improve resistance against forced entry.</p> <p style="margin-left: 20px;">- Continue evaluating Lock technology and attack tools.</p> <p>(U) LOCKS, SAFES, VAULTS</p> <p style="margin-left: 20px;">In FY 2006, Project Number 0603287F, Physical Security Equipment, efforts will transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment. Please see PE 603161D for FY 2007 accomplishments.</p> <p>(U) COMMERCIAL-OFF-THE-SHELF TESTING 2.400</p> <p style="margin-left: 20px;">- Executed FPED V.</p> <p style="margin-left: 20px;">- Continued to seek near-term (commercial) solutions for immediate force protection needs.</p> <p style="margin-left: 20px;">- Continued to support all testing of PSE products (COTS, NDI, Developmental), systems testing and development of required documentation.</p> <p>(U) COMMERCIAL-OFF-THE-SHELF TESTING 1.411</p> <p style="margin-left: 20px;">- Deliver FPED V After Action Report</p> <p style="margin-left: 20px;">- Distribute FPED V CDs</p> <p style="margin-left: 20px;">- Launch FPED VI on-line registration</p> <p style="margin-left: 20px;">- Prepare to execute FPED VI.</p> <p style="margin-left: 20px;">- Continue to seek near-term (commercial) solutions for immediate force protection needs.</p> <p>(U) COMMERCIAL-OFF-THE-SHELF TESTING</p> <p style="margin-left: 20px;">In FY 2006, Project Number 0603287F, Physical Security Equipment, efforts will transferred to PE 603161D, Nuclear and Conventional Physical Security Equipment. Please see PE 603161D for FY 2007 accomplishments.</p> <p>(U) Total Cost 25.915 25.563 0.298</p> <p>(U) <u>C. Other Program Funding Summary (\$ in Millions)</u></p> <table style="width: 100%; border-collapse: collapse; margin-left: 20px;"> <tr> <th style="text-align: center;"><u>FY 2005</u></th> <th style="text-align: center;"><u>FY 2006</u></th> <th style="text-align: center;"><u>FY 2007</u></th> <th style="text-align: center;"><u>FY 2008</u></th> <th style="text-align: center;"><u>FY 2009</u></th> <th style="text-align: center;"><u>FY 2010</u></th> <th style="text-align: center;"><u>FY 2011</u></th> <th style="text-align: center;"><u>Cost to</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> <tr> <th style="text-align: center;"><u>Actual</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Complete</u></th> <th></th> </tr> <tr> <td colspan="9">(U) Not Applicable</td> </tr> </table> <p>(U) <u>D. Acquisition Strategy</u></p> <p style="margin-left: 20px;">Not Applicable</p>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>		(U) Not Applicable									
<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>																				
<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>																					
(U) Not Applicable																												

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

February 2006

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603287F Physical Security
Equipment

PROJECT NUMBER AND TITLE

5121 Physical Security Equipment

(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Cost</u>	<u>FY 2005</u> <u>Award</u> <u>Date</u>	<u>FY 2006</u> <u>Cost</u>	<u>FY 2006</u> <u>Award</u> <u>Date</u>	<u>FY 2007</u> <u>Cost</u>	<u>FY 2007</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
(U) <u>Product Development</u>												
HQ ESC (Air Force)	PO		6.273	7.915	Nov-05	8.283	Nov-06	0.298	Nov-07	Continuing	TBD	TBD
PM-PSE (US Army)	MIPR		5.702	5.610	Nov-05	5.102	Nov-06			Continuing	TBD	TBD
CNO-N34 (US Navy)	MIPR		7.456	6.910	Nov-05	7.276	Nov-06			Continuing	TBD	TBD
DTRA	MIPR		1.850	2.040	Nov-05	1.816	Nov-06			Continuing	TBD	TBD
Subtotal Product Development			21.281	22.475		22.477		0.298		Continuing	TBD	TBD
Remarks:												
(U) <u>Support</u>												
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test & Evaluation</u>												
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
Program Office Support			2.238	3.440	Nov-05	3.086	Nov-06			Continuing	TBD	TBD
Subtotal Management			2.238	3.440		3.086		0.000		Continuing	TBD	TBD
Remarks:												
(U) <u>Not Applicable</u>												
(U) Total Cost			23.519	25.915		25.563		0.298		Continuing	TBD	TBD
Remarks:												

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2006

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0603287F Physical Security
Equipment

PROJECT NUMBER AND TITLE

5121 Physical Security Equipment

Exhibit R-4, Schedule Profile																				Date: January 2006																
BUDGET ACTIVITY												PE NUMBER AND TITLE								PROJECT NUMBER AND NAME																
04 Advanced Component Development and Prototypes (ACD&P)												PE0603287F Physical Security Equipment								5121 Physical Security Equipment																
Fiscal Year	2003				2004				2005				2006				2007				2008				2009				2010				2011			
	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				
Refine MMW technology to counter standoff and suicide bomber threats											▲																									
C3 integration of Pierside and Shipboard Security Systems														▲																						
Initiate LRIP of Laser IMS HH ED												▲																								

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Exhibit R-4, RDT&E Schedule Profile

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Fiscal Year	2003				2004				2005				2006				2007				2008				2009				2010				2011			
	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				
Market Survey for TVSS														▲																						
TVSS Prototype Design, Fabrication, & Integration														▲																						
P&S Market Survey and Investigation														▲																						

Exhibit R-4, RDT&E Schedule Profile

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Fiscal Year	2003				2004				2005				2006				2007				2008				2009				2010				2011						
	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							
Continue evaluating Lock technology and attack																▲																							
Begin upgrade of														▲																									
Executed FPED V												▲																											
Integrate biometric technology with high security lock technology																▲																							

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Exhibit R-4, RDT&E Schedule Profile		DATE February 2006
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603287F Physical Security Equipment	PROJECT NUMBER AND TITLE 5121 Physical Security Equipment

[illegible]

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2006

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

**0603287F Physical Security
Equipment**

[illegible]

5121 Physical Security Equipment

Exhibit R-4, Schedule Profile																								Date: January 2006												
BUDGET ACTIVITY												PE NUMBER AND TITLE												PROJECT NUMBER AND NAME												
04 Advanced Component Development and Prototypes (ACD&P)												PE0603287F Physical Security Equipment												5121 Physical Security Equipment												
Fiscal Year	2003				2004				2005				2006				2007				2008				2009				2010				2011			
	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				
C3 Integration of Pierside and Shipboard Security Systems.																▲																				
T&E COTS VMD products for Shoreline Intrusion Detection										▲																										
Follow-on Early User Appraisal for MDARS																																				

Exhibit R-4, RDT&E Schedule Profile

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Fiscal Year	2003				2004				2005				2006				2007				2008				2009				2010				2011			
	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				
Award LRMD SDD contract													▲																							
Continue TASS P3I efforts including the annunciator													▲																							
Continue Imagery improvements for the FPASS.														▲																						
Begin Smart Gate P3I									▲																											
Design MPP modular architecture										▲																										

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Exhibit R-4a, RDT&E Schedule Detail		DATE	
		February 2006	
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE	
04 Advanced Component Development and Prototypes (ACD&P)	0603287F Physical Security Equipment	5121 Physical Security Equipment	
(U) <u>Schedule Profile</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Conduct market survey for the TVSS		2Q	
(U) TVSS Prototype Design, Fabrication, & Integration		2Q	
(U) PAS Market Survey and Investigation		2Q	
(U) Award LKMD SDD contract	2Q		
(U) Continue TASS P3I efforts including the annunciator		1Q	
(U) Conduct a Leap Ahead assessment of current PSE technology			3Q
(U) Begin Smart Gate P3I	1Q		
(U) Design MPP modular architecture	2Q		
(U) T&E COTS VMD products for Shoreline Intrusion Detection	1Q		
(U) Follow-on Early User Appraisal for MDARS		3Q	
(U) Buy Equipment to build a Hybrid Image/Trace EDE system		4Q	
(U) Refine MMW technology to counter standoff and suicide bomber threats	2Q		
(U) C3 integration of Pierside and Shipboard Secuirty Systems		3Q	
(U) Initiate LRIP of Laser IMS HH ED	3Q		
(U) Develop a light weight ILD for weapons armory doors	4Q		
(U) Execute FPED V	3Q		
</			