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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>				PE 0603287F: <i>Physical Security Equipment</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	0.967	3.586	3.704	-	3.704	3.874	3.975	4.084	4.197	Continuing	Continuing
645121: <i>Physical Security Equipment</i>	0.967	3.586	3.704	-	3.704	3.874	3.975	4.084	4.197	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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, demonstrate, and test Physical Security Equipment (PSE) systems, to include Force Protection. This program supports the protection of tactical, fixed, and nuclear weapons systems, AF personnel and AF facilities. The PSE program is organized to provide PSE RDT&E for Air Force specific needs but as a complement to and in conjunction with the PSE RDT&E programs funded by the DOD Physical Security Equipment Action Group (PSEAG). As such this program will develop, demonstrate, and test PSE in the same manner and to the same standards and architecture as PSEAG funded projects to ensure interoperability with PSEAG developed PSE. In development of PSE, this RDT&E program includes RF frequency and communication security (cyber) requirements. This Program Element also includes funding for Force Protection Commercial-Off-The-Shelf (FP COTS) evaluation and testing. The FP COTS testing applies to all available technologies, which are considered effective for AF physical security use. This program supports the maintenance and test support at Site C-3 and the Cold Weather Test Site (CWTS), as annotated in DoD Directive 3200.11, listing the 46TW as a Major Range and Test facility, conducting developmental and operational testing as the primary mission.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	3.576	3.586	3.749	-	3.749
Current President's Budget	0.967	3.586	3.704	-	3.704
Total Adjustments	-2.609	-	-0.045	-	-0.045
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.028	-			
• Other Adjustments	-2.581	-	-0.045	-	-0.045

Change Summary Explanation

FY11 Congressional General Reduction of 0.005M in Other Adjustment row.

FY11 Congressional Directed Reduction of 2.576M in Other Adjustment row.

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FY13 funding decrease is due to higher Department of Defense priorities.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Title: PHYSICAL SECURITY EQUIPMENT		0.967	3.586	3.704
Description: FORCE PROTECTION/TACTICAL SECURITY EQUIPMENT - Develop, demonstrate, and test Physical Security Equipment (PSE) systems, to include Force Protection.				
FY 2011 Accomplishments: Refine, research, and test technology for automated entry control systems. - 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. - Develop a Security Forces Management Information System (SFMIS)module. - Conduct System Effectiveness Assessment (SEA) of the Nuclear Environment. - Continue Integrated Defense Command and Control Common Operating Picture (IDC2COP). - Develop Physical Security Alarm Systems. - Force Protection Commercial Off The Shelf (COTS) evaluation and testing. - Develop internal denial options for the Nuclear Storage environment.				
FY 2012 Plans: Refine, research, and test technology for automated entry control systems. - 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. - Develop a Security Forces Management Information System (SFMIS)module. - Conduct System Effectiveness Assessment (SEA) of the Nuclear Environment. - Continue Integrated Defense Command and Control Common Operating Picture (IDC2COP). - Develop Physical Security Alarm Systems. - Force Protection Commercial Off The Shelf (COTS) evaluation and testing.				

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APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603287F: Physical Security Equipment							
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2011	FY 2012	FY 2013
<div>- Develop internal delay, denial, and detection options for the Nuclear Storage environment.</div> <div>- Develop external delay, denial, and detection options for the Nuclear Storage environment.</div> <div>- Supports the maintenance and test support at Site C-3 and the Cold Weather Test Site (CWTS), as annotated in DoD Directive 3200.11, listing the 46TW as a Major Range and Test facility, conducting developmental and operational testing as the primary mission.</div> <div>FY 2013 Plans:</div> <div>Refine, research, and test technology for automated entry control systems.</div> <div>- Continue TASS P3I efforts including improvements to the annunciator.</div> <div>- Continue to manage, develop, evaluate, and test Delay/Denial products.</div> <div>- Continue to manage sensor and assessment product developments and tests.</div> <div>- Continue to research technological advances at DoD, DoE, University Labs, DARPA, within industry, etc., with PSE utility.</div> <div>- Continue to prepare operational systems improvement plans; develop technology roadmap, update system architecture.</div> <div>- Continue to test, develop, and integrate equipment to improve security and access to facilities.</div> <div>- Develop a Security Forces Management Information System (SFMIS)module</div> <div>- Conduct System Effectiveness Assessment (SEA) of the Nuclear Environment</div> <div>- Continue Integrated Defense Command and Control Common Operating Picture (IDC2COP).</div> <div>- Develop Physical Security Alarm Systems.</div> <div>- Force Protection Commercial Off The Shelf (COTS) evaluation and testing.</div> <div>- Develop internal delay, denial, and detection options for the Nuclear Storage environment.</div> <div>- Develop external delay, denial, and detection options for the Nuclear Storage environment.</div> <div>- Supports the maintenance and test support at Site C-3 and the Cold Weather Test Site (CWTS), as annotated in DoD Directive 3200.11, listing the 46TW as a Major Range and Test facility, conducting developmental and operational testing as the primary mission.</div>											
Accomplishments/Planned Programs Subtotals									0.967	3.586	3.704
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• Not Applicable: N/A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
E. Acquisition Strategy											
Not Applicable											

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<u>F. Performance Metrics</u> Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.		

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603287F: Physical Security Equipment	PROJECT 645121: Physical Security Equipment

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603287F: <i>Physical Security Equipment</i>	PROJECT 645121: <i>Physical Security Equipment</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603287F: <i>Physical Security Equipment</i>	PROJECT 645121: <i>Physical Security Equipment</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Continue TASS P3I efforts including the annunciator	1	2012	4	2014
Conduct a Leap Ahead assessment of current PSE technology	1	2011	4	2012
COTS Testing	1	2011	4	2014
Develop SFMIS Module	1	2012	4	2013
IDC2COP Integration	1	2011	4	2014
Develop Physical Security Alarm Systems	1	2011	4	2014
Conduct System Effectiveness Assessment of Nuclear Environment	1	2012	4	2013
Maintain C-3 and Cold Weather Test Site (RDT&E Testing Facility)	1	2011	4	2014
Develop Internal and External Delay/Denial/Detection options for Nuclear Storage environment	1	2012	4	2014