

UNCLASSIFIED

PE NUMBER: 0305128F

PE TITLE: Security And Investigative Activities

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2005

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305128F Security And Investigative Activities

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	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	19.705	0.480	0.491	0.507	0.513	0.523	0.535	0.544	Continuing	TBD
1931 TECH SURVEIL COUNTER MEAS EQPT	19.705	0.480	0.491	0.507	0.513	0.523	0.535	0.544	Continuing	TBD

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

Air Force Office of Special Investigations (AFOSI) conducts specialized investigative activities and force protection support for Air Force (AF) commanders worldwide. This assists AF commanders in protecting their people and resources. AFOSI's mission includes investigating criminal matters affecting AF personnel, contract fraud and economic crimes involving AF weapons systems and spare parts, the investigation of environmental crime, counterdrugs, computer intrusion detection and forensic media analysis of computer crimes. This element supports Technical Surveillance Countermeasures (TSCM), Computer Crime Investigations (CCI), and technical support to criminal and counterintelligence investigations and operations conducted by AFOSI. AFOSI's TSCM mission conducts counterintelligence investigations for both AF and DoD facilities and programs in order to deter and detect technical surveillance operations conducted by Foreign Intelligence Services to compromise classified or sensitive information. The purpose of CCI research is to improve AF and DoD Information Operations capability by enhancing AFOSI's ability to deter or prevent spies, hackers, or saboteurs from manipulating, damaging, or stealing sensitive war fighting data or systems. Failing that, to investigate, identify, and prosecute those who do. While most research to meet operational requirements is Operational System Development, there is also research in the category of Engineering and Manufacturing Development due to a need for modifications to present technology.

The equipment required to provide technical support to investigations is unique and complex. This equipment must be continually updated to provide state-of-the-art capabilities to detect and neutralize criminal activities targeted against the AF and DoD. In an era of advancing technology, reduced manning, and increasingly high level fraud, environmental crime and computer crime investigations, technical investigative equipment must be continuously updated to enable AFOSI special agents to have the most cost effective and best possible means of thwarting criminal acts. The evolution of a new wave of computer crimes has made AFOSI responsible for the collection, investigative analysis, national level law enforcement coordination, and dissemination of hacker activity and intrusion incidents for the Air Force. AFOSI's computer crime equipment must stay on the leading edge of technology to collect criminal information as well as pursue and apprehend criminals through a global medium. AFOSI must continually update its existing high tech computer surveillance equipment to support ongoing and future investigative operations to identify hackers and hacker groups, as well as potential hostile government activities targeting Air Force communication and control systems.

Critical Infrastructure Protection identifies weaknesses in the Air Force Critical infrastructure, highlights critical countermeasures and acquires and deploys cost-effective solutions. The intent is to provide an Air Force-wide review of current infrastructure vulnerabilities; prioritize AF protection planning and integrate with existing programs; identify gaps based on AF needs; direct studies to refine AF requirements.

This program is in Budget Activity 7, Operational System Development, because its products are primarily for use in investigative activity of an operational nature.

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

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
(U) Previous President's Budget	0.474	0.484	0.484	0.497
(U) Current PBR/President's Budget	19.705	0.480	0.491	0.507
(U) Total Adjustments	19.231	-0.004		
(U) Congressional Program Reductions		-0.004		
Congressional Rescissions				
Congressional Increases	19.830			
Reprogrammings	-0.599			
SBIR/STTR Transfer				
(U) <u>Significant Program Changes:</u>				

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1931 TECH SURVEIL COUNTER MEAS EQPT

Cost (\$ in Millions)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
1931 TECH SURVEIL COUNTER MEAS EQPT	19.705	0.480	0.491	0.507	0.513	0.523	0.535	0.544	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

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

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(U) **B. Accomplishments/Planned Program (\$ in Millions)**FY 2004FY 2005FY 2006FY 2007

(U) Accomplished/Planned Program

(U) Next generation Technical Surveillance Countermeasures (TSCM) receiver.

Project 1931

R-1 Shopping List - Item No. 185-4 of 185-9

Exhibit R-2a (PE 0305128F)

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Exhibit R-2a, RDT&E Project Justification

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(U) Continue development of Computer Crimes Investigative (CCI) Equipment. and Software.				
(U) Continue development of Computer Crimes Investigative (CCI) Equipment and Software.	0.300	0.240	0.300	0.300
(U) Next Generation TSCM receiver Continuing Development	0.184	0.240	0.191	0.207
(U) Funds intended for PE 91212F (see note below)	19.221			
(U) Total Cost	19.705	0.480	0.491	0.507

A Congressional Increase of \$19.830 M in FY 04 was intended for PE 91212F and will be executed there.

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

	<u>FY 2004</u>	<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>Estimate</u>	<u>Complete</u>	
(U) Other Procurement/Technical Surveillance Countermeasures Equipment 3080/WSC 846030	3.998	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
(U) Other Procurement/Heavily Armored Vehicle 3080/WSC 821700	0.243	0.242	0.241	0.241	0.246	0.250	0.265	0.270	Continuing	TBD

(U) **D. Acquisition Strategy**

Market Research is accomplished jointly within the DoD, Counterintelligence, and Law Enforcement communities with the various government laboratories and major defense contractors to identify locations with the ability to develop investigative tools unique to our mission needs, these technologies, capabilities, and limitations of current and future investigative tools is sometimes highly sensitive or classified.

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Exhibit R-3, RDT&E Project Cost Analysis

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(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY 2004 Cost</u>	<u>FY 2004 Cost</u>	<u>FY 2004 Award Date</u>	<u>FY 2005 Cost</u>	<u>FY 2005 Award Date</u>	<u>FY 2006 Cost</u>	<u>FY 2006 Award Date</u>	<u>FY 2007 Cost</u>	<u>FY 2007 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>														
Sandia Natl Lab	MIPR		1.376									Continuing	TBD	
AFWIC	MIPR		0.300									Continuing	TBD	
Other Agency	MIPR		0.590	0.474	Apr-04	0.480	Apr-05	0.491	Apr-06	0.507	Apr-07	Continuing	TBD	
Funds Intended for PE 91212F (see note below)				19.231									19.231	
Subtotal Product Development			2.266	19.705		0.480		0.491		0.507		Continuing	TBD	0.000
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
US Armor Working Group	MIPR											Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		Continuing	TBD	TBD
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>AF Infrastructure Protection Studies</u>														
AF Infrastructure Protection Studies			1.992									Continuing	TBD	TBD
Subtotal AF Infrastructure Protection Studies														
Remarks:														
(U) <u>Subtotal</u>														
Subtotal Subtotal			0.000	0.000		0.000		0.000		0.000				
Remarks:														
(U) Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			2.266	19.705		0.480		0.491		0.507		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

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Fiscal Year	FY 04				FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
	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
TSCM Receiver																																
CCI Software Equipment																																
Armored Vehicle Testing																																

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Exhibit R-4, RDT&E Schedule Profile

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Fiscal Year	FY 04				FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
	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				
TSCM Receiver																																
CCI Software Equipment																																
Armored Vehicle Testing																																

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Exhibit R-4a, RDT&E Schedule Detail

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MEAS EQPT(U) Schedule ProfileFY 2004FY 2005FY 2006FY 2007

(U) TSCM Receiver

4Q

4Q

4Q

4Q

(U) CCI Software/Equipment

4Q

4Q

4Q

4Q