

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)									DATE June 2001	
BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development						
COST (\$ in Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	29,759	34,466	38,153	40,198	42,931	43,824	44,736	45,682	Continuing	TBD
2907 Electronic Combat Intel Support	1,701	1,950	1,893	1,926	2,049	2,071	2,114	2,159	Continuing	TBD
3321 Electronic Warfare Ground Test Resources	25,713	26,442	29,190	31,037	33,520	34,189	34,899	35,637	Continuing	TBD
7500 Foreign Material Acquisition/Exploitation	2,345	6,074	7,070	7,235	7,362	7,564	7,723	7,886	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

FY03-07 budget numbers do not reflect the DoD strategic review results

(U) **A. Mission Description**
 This PE provides funding for the elements necessary to support the AF Electronic Warfare (EW) Test Process. This test process provides a scientific methodology to ensure the effective disciplined and efficient testing of AF EW and avionics systems. Each capability or facility improvement is pursued in concert with the others so as to avoid duplicate capabilities while at the same time producing the proper mix of test resources needed to support the AF EW Test Process. This PE provides funding for the management and technical oversight of implementation activities, development and improvement of digital EW models, measurement facilities operation and improvements, hardware in the loop test facilities operation and improvements, installed system test facility improvements, and development and improvement of open air threat simulators for flight testing. This PE also provides funding for planning, management, budgetary, and technical support to the Air Force for corporate-level implementation of the Electronic Warfare (EW) Test Process and for improvement and modernization (I&M) and application of the test and evaluation (T&E) infrastructure. Support includes requirements definition and analysis, project planning, programming and budgeting, technical oversight, and application of T&E facility I&M. Products include studies, analyses, and related documentation. This PE provides funding to support the acquisition and exploitation efforts of the Foreign Materiel Program, as well as to support EW intelligence efforts.

(U) **B. Budget Activity Justification**
 This Program Element is in Budget Activity 6, Management Support, because it is a Research and Development (R&D) effort for Improvement and Modernization of T&E capabilities at Air Force Test Centers.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE		
06 - Management and Support		June 2001		
BUDGET ACTIVITY	PE NUMBER AND TITLE			
06 - Management and Support	0604256F Threat Simulator Development			
(U) <u>C. Program Change Summary (\$ in Thousands)</u>				
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 2001 PBR)	32,391	34,785	37,990	
(U) Appropriated Value	32,391	34,785		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions	-234	-244		
b. Small Business Innovative Research	-914			
c. Omnibus or Other Above Threshold Reprogram	-1,157			
d. Below Threshold Reprogram	-200			
e. Rescissions	-127	-75		
(U) Adjustments to Budget Years Since FY 2001 PBR			163	
(U) Current Budget Submit/FY 2002 PBR	29,759	34,466	38,153	TBD
(U) <u>Significant Program Changes:</u>				

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)									DATE June 2001		
BUDGET ACTIVITY 06 - Management and Support					PE NUMBER AND TITLE 0604256F Threat Simulator Development					PROJECT 2907	
COST (\$ in Thousands)		FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
2907	Electronic Combat Intel Support	1,701	1,950	1,893	1,926	2,049	2,071	2,114	2,159	Continuing	TBD
<p>FY03-07 budget numbers do not reflect the DoD strategic review results</p> <p>(U) <u>A. Mission Description</u> This project provides funding to support Foreign Materiel Operational Test and Evaluation (FMOT&E), which ensures the ability of operational commands to test and develop effective Electronic Attack/Electronic Protection (EA/EP) techniques and tactics. Funds are required for: deployment of blue systems to test facilities, travel for personnel to the test sites to evaluate and validate test results real-time, range and laboratory costs; costs for instrumentation of blue systems; and contracted engineering support for the conduct of tests and subsequent reporting. Funding for this program is required to prevent future aircraft losses due to improper and inaccurate aircrew tactics (e.g., lack of evasive action or proper tactics training to avoid missile attack).</p> <p>(U) <u>FY 2000 (\$ in Thousands)</u> (U) \$1,368 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished. (U) \$279 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished. (U) \$54 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished. (U) \$1,701 Total</p> <p>(U) <u>FY 2001 (\$ in Thousands)</u> (U) \$1,540 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished. (U) \$340 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished. (U) \$70 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished. (U) \$1,950 Total</p> <p>The following net transactions are not reflected in the FY01 program total: BTR=-268K, SBIR=-1258K, CGR RESC=-76K. These transactions are not reflected in other sections of the R-docs where an FY01 total is shown. These numbers account for the adjustments for the total Program Element,</p>											
Project 2907			Page 3 of 11 Pages				Exhibit R-2A (PE 0604256F)				

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BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development				PROJECT 2907																																																																																															
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2001 (\$ in Thousands) Continued</u> not just this BPAC.</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$1,496 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.</p> <p>(U) \$322 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.</p> <p>(U) \$75 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished.</p> <p>(U) \$1,893 Total</p> <p>(U) <u>B. Project Change Summary</u> None</p> <p>(U) <u>C. Other Program Funding Summary (\$ in Thousands)</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>FY 2000</u></th> <th style="text-align: center;"><u>FY 2001</u></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>FY 2004</u></th> <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>Cost to</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> <tr> <th></th> <th style="text-align: center;"><u>Actual</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Complete</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>(U) AF RDT&E</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) Other APPN</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) None</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> <p>(U) <u>D. Acquisition Strategy</u> Not applicable.</p> <p>(U) <u>E. Schedule Profile</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th colspan="4" style="text-align: center;"><u>FY 2000</u></th> <th colspan="4" style="text-align: center;"><u>FY 2001</u></th> <th colspan="4" style="text-align: center;"><u>FY 2002</u></th> </tr> <tr> <th></th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> <th style="text-align: center;">1</th> <th style="text-align: center;">2</th> <th style="text-align: center;">3</th> <th style="text-align: center;">4</th> </tr> </thead> <tbody> <tr> <td>(U)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> <p>(U) Not applicable. Discrete tasks vary depending on availability of Foreign Material Acquisition (FMA) hardware and exploitation schedules. The annual budget is based on supporting up to eight opportunities for operational units to conduct quick look assessments of available FMA.</p>											<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Cost to</u>	<u>Total Cost</u>		<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>		(U) AF RDT&E											(U) Other APPN											(U) None												<u>FY 2000</u>				<u>FY 2001</u>				<u>FY 2002</u>					1	2	3	4	1	2	3	4	1	2	3	4	(U)																		
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Cost to</u>	<u>Total Cost</u>																																																																																													
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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)									DATE June 2001		
BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development					PROJECT 3321		
COST (\$ in Thousands)		FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
3321	Electronic Warfare Ground Test Resources	25,713	26,442	29,190	31,037	33,520	34,189	34,899	35,637	Continuing	TBD
FY03-07 budget numbers do not reflect the DoD strategic review results											
<p>(U) <u>A. Mission Description</u></p> <p>The AF requires a comprehensive set of test facilities to implement the Air Force Electronic Warfare (EW) Test Process. To manage program risk effectively throughout the weapons system acquisition process, and conduct test and evaluation (T&E) effectively and efficiently, a spectrum of T&E capabilities from modeling and simulation through open-air ranges is required. The EW Test Process Support task provides for investment management, coordinated technical oversight, and application of EW T&E facilities, including studies, analyses, and related documentation. The Electronic Warfare T&E Modeling & Simulation (EW T&E M&S) program will lead correlation, verification and validation activities of integrated simulations of validated models across the EW test facilities using the Silver Bullet measurement capability. The National Radar Cross Section (RCS) Test Facility - NRTF (formerly Radar Target Scatter (RATSCAT)) upgrade project provides improvements to the NRTF at Holloman AFB, NM, to support radar cross section (RCS) measurement requirements of DoD customers, with either conventional or stealth systems. The Air Force Electronic Warfare Evaluation Simulator (AFEWES) and the Digital Integrated Air Defense System (DIADS), provide the ability to realistically evaluate hardware components and simulated weapon systems against manned hardware threat representations throughout the acquisition process. AFEWES provides: simulations of advanced Infrared (IR) & Radio Frequency (RF) Surface-to-Air Missiles (SAMs) and Air-to-Air Missiles (AAMs); IR/ Ultra-violet (UV) & RF missile warning; end-to-end testing of the missile warning/IR countermeasure function; and integration of actual threat hardware and ground clutter into advanced threat RF and IR missile simulations. DIADS provides algorithm based enemy command and control (C2) capabilities plus early warning radar detection and limited ground control intercept features and also allows man-in-the-loop interaction for the enemy C2 positions. The Electronic Combat Integrated Test (ECIT) project upgrades the AF Hardware-In-The-Loop (HITL), System Integration Labs (SILs), and Installed System Test Facility (ISTF) at Edwards AFB, CA. The HITL and SILs at Edwards allow for the stimulation of real aircraft avionics with the benefit of a laboratory environment. The AF ISTF consists of a large, instrumented, anechoic chamber which provides for evaluation of EW systems when installed on its host aircraft, both prior to and throughout the flight test program. The goal of the ECIT upgrade is to integrate coherent EW threat stimulators into the ground test facilities at Edwards and modernize instrumentation/test operation capabilities. In FY 99 ECIT began a 3-year effort to fund the purchase of EW equipment in support of the F-22's Integrated Hardware-In-The-Loop Avionics Test (IHAT) capability. The IHAT capability is being transferred to Edwards AFB, CA from Marietta, GA. In FY 02, the Air Warfare Mission Simulator (AWMS) program will begin development of an electronic warfare capability with high fidelity reconfigurable cockpits. This program will also provide the capability to link to high fidelity cockpits into the information battlespace via High Level Architecture (HLA).</p>											
Project 3321			Page 5 of 11 Pages				Exhibit R-2A (PE 0604256F)				

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE
		June 2001
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
06 - Management and Support	0604256F Threat Simulator Development	3321
(U) <u>A. Mission Description Continued</u>		
(U) <u>FY 2000 (\$ in Thousands)</u>		
(U) \$883	EC Test Process Support. Conducted requirements analyses and other studies in support of Air Force investments in EW test infrastructure. Provided systems engineering/technical assistance (SETA) support for Air Force implementation of the EW Test Process, including improvement and modernization (I&M) of the EW test infrastructure.	
(U) \$3,238	EW Test and Evaluation Modeling and Simulation (EW T&E M&S). Continued development of verification and validation process for integrated simulations configured to support development and operational testing. Continued correlation process development and correlation implementation between EW test facilities being supported by Silver Bullet.	
(U) \$1,840	NRTF Upgrades. Completed development on Radar Cross Section (RCS) Advanced Measurement System (RAMS) Pylon. Completed industry partnership efforts with first major EW supplier (Boeing).	
(U) \$3,581	AFEWES. Continued operation in support of DoD and non-DoD test customers and defined requirements for upgrades to the IR laboratory. Continued development of Advanced Simulator modification (SAM-C), the Missile Warning System Lab, and reached hardware IOC on the SAM-E simulator. Began development of capability to produce semi-active missile miss distance results using National Test and Training Range flight test data. Began integration of second IR air-to-air missile and verification & validation effort on the threat simulators.	
(U) \$2,598	DIADS. Continued providing mission level simulation for evaluating the survivability of aircraft penetrating an enemy air defense system. Continued verification and validation efforts required for the IOC of the DIADS baseline. Continued development of external linking. Linked to external Blue C4ISR simulations, and generated Man-In-the Loop (MITL) Red IADS for the High Level Architecture (HLA) Federation as part of the Virtual Strike Warfare Environment (VSWE) Exercise 7, conducted by the Joint Strike Fighter (JSF) program.	
(U) \$13,573	ECIT. Continued Infrastructure and Generic Test Capability (I>C) that provides RF stimulation capability and infrastructure support for the Central Test and Evaluation Improvement Program (CTEIP)-funded Generic Radar Target Generator (GRTG), Infrared Sensor Stimulator (IRSS), and Communications - Navigation - Identification (CNI) simulator, to support F-22 and other advanced weapon system requirements. Continued purchase and integration of EW equipment in support of the F-22's Integrated Hardware-in-the-loop Avionics Test (IHAT) capability.	
(U) \$25,713	Total	
(U) <u>FY 2001 (\$ in Thousands)</u>		
(U) \$890	EC Test Process Support. Conduct requirements analyses and other studies in support of Air Force investments in EW test infrastructure. Provide systems engineering/technical assistance (SETA) support for Air Force implementation of the EW Test Process, including improvement and modernization (I&M) of the EW test infrastructure.	
(U) \$3,885	EW Test and Evaluation Modeling and Simulation (EW T&E MS). Continue development of verification and validation process for integrated simulations configured to support development and operational testing. Continue correlation process development and correlation	

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		June 2001
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
06 - Management and Support	0604256F Threat Simulator Development	3321
(U) <u>A. Mission Description Continued</u>		
(U) <u>FY 2001 (\$ in Thousands) Continued</u>		
	implementation between EW test facilities being supported by Silver Bullet. Begin study of requirements to migrate realistic sensor information from the EC environment into cockpit simulators in support of the Air Warfare Mission Simulator (AWMS) program.	
(U) \$1,680	NRTF Upgrades. Enhance efficiency of operations and accuracy of measurements. Expand partnerships with major industry EW suppliers and complete storage facility modifications.	
(U) \$6,040	AFEWES. Continue operation in support of DoD and non-DoD test customers to include initiation of upgrades to the IR laboratory and continue validation & verification (V&V) effort on all threat simulators. Begin development of SAM-D semi-active simulator. Complete development of Advanced Simulator modification (SAM-C), and continue development of capability to produce semi-active missile miss distance results using National Test and Training Range flight test data. Complete integration of second IR air-to-air missile and development of Missile Warning System Lab. Complete first iteration of IR Lab and SAM-B V&V.	
(U) \$3,420	DIADS. Continue providing mission level simulation for evaluating the survivability of aircraft penetrating an enemy air defense system by updating the IADS scenario with current intel data. Continue verification and validation efforts and development of external linking and Blue IADS capabilities, in support of AF, Army, Navy and non-DoD test customers. Complete IOC requirements.	
(U) \$10,527	ECIT. Continue Infrastructure and Generic Test Capability (I>C) that provides RF stimulation capability and infrastructure support for the CTEIP-funded Generic Radar Target Generator (GRTG), Infrared Sensor Stimulator (IRSS), and Communications-Navigation-Identification (CNI) simulator, to support F-22 and other advanced weapon system requirements and to support IOC early in FY02. Complete purchase of EW equipment in support of the F-22's Integrated Hardware-in-the-loop Avionics Test (IHAT) capability.	
(U) \$26,442	Total	
	The following net transactions are not reflected in the FY01 program total: BTR=-268K, SBIR=-1258K, CGR RESC=-76K. These transactions are not reflected in other sections of the R-docs where an FY01 total is shown. These numbers account for the adjustments for the total Program Element, not just this BPAC.	
(U) <u>FY 2002 (\$ in Thousands)</u>		
(U) \$916	EC Test Process Support. Conduct requirements analyses and other studies in support of Air Force investments in EW test infrastructure. Provide systems engineering/technical assistance (SETA) support for Air Force implementation of the EW Test Process, including improvement and modernization (I&M) of the EW test infrastructure.	
(U) \$3,303	EW Test and Evaluation Modeling and Simulation (EW T&E M&S). Continue development and deployment of the Verification and Validation	

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							June 2001				
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT				
06 - Management and Support				0604256F Threat Simulator Development			3321				
(U) <u>A. Mission Description Continued</u>											
(U) <u>FY 2002 (\$ in Thousands) Continued</u>											
(V&V) process for scalable integration with simulations to support development and operational testing. Continue to integrate correlation process development and correlation implementation between EW T&E and training facilities being supported by Silver Bullet.											
(U)	\$2,065	NRTF Upgrades. Begin and complete planned Low-Frequency Bistatic measurement capability efforts.									
(U)	\$5,260	AFEWES. Continue operation in support of DoD and non-DoD test customers to include upgrades to the IR laboratory, enhancements of the Missile Warning System Lab, and validation & verification effort on all threat simulators. Continue development of SAM-G and SAM-E semi-active simulators, and continue development of SAM-D. Continue development of capability to produce semi-active missile miss distance results using National Test and Training Range flight test data. Begin development of SAM-F and start transition of IR flyout models to PC-based software. Complete first iteration of SAM-A and SAM-C V&V.									
(U)	\$5,070	DIADS. Continue providing mission level simulation for evaluating the survivability of aircraft penetrating an enemy air defense system by updating the IADS scenario with current intel data. Continue verification and validation efforts to support DIADS customers. Integrate DIADS with other Avionics Test and Integration Complex (ATIC) components.									
(U)	\$10,612	ECIT. Complete IOC and FOC of Infrastructure and Generic Test Capability (I>C) that provides RF stimulation capability and infrastructure support for the CTEIP-funded Generic Radar Target Generator (GRTG), Infrared Sensor Stimulator (IRSS), and Communications - Navigation - Identification (CNI) simulator, to support F-22 and other advanced weapon system requirements. Complete requirement definition and acquisition planning to fully integrate the suite of simulators/stimulators into a coherent multi-spectral test environment to be accomplished in future EW programs.									
(U)	\$1,964	AWMS. Complete requirements study started under the EW T&E M&S project and develop acquisition strategy to provide realistic EC sensor information into cockpit simulators. Begin development of two high fidelity cockpit simulators.									
(U)	\$29,190	Total									
(U) <u>B. Project Change Summary</u>											
(U) <u>C. Other Program Funding Summary (\$ in Thousands)</u>											
		<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</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)	AF RDT&E										
(U)	Other APPN										
(U)	Related RDT&E:										
(U)	PE 0604759F, Major T&E										
Project 3321		Page 8 of 11 Pages					Exhibit R-2A (PE 0604256F)				

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BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development				PROJECT 3321			
(U) C. Other Program Funding Summary (\$ in Thousands)											
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</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>		
Investment											
(U) PE 0604940D, Central T&E											
Investment Program											
(U) D. Acquisition Strategy											
Contracts funded from this program are predominately awarded on the basis of full and open competition.											
(U) E. Schedule Profile											
				<u>FY 2000</u>			<u>FY 2001</u>		<u>FY 2002</u>		
				1	2	3	4	1	2	3	4
(U)											
This BPAC contains multiple schedule profiles which are available upon request.											

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)									DATE June 2001		
BUDGET ACTIVITY 06 - Management and Support					PE NUMBER AND TITLE 0604256F Threat Simulator Development					PROJECT 7500	
COST (\$ in Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost	
7500 Foreign Material Acquisition/Exploitation	2,345	6,074	7,070	7,235	7,362	7,564	7,723	7,886	Continuing	TBD	
FY03-07 budget numbers do not reflect the DoD strategic review results											
<p>(U) <u>A. Mission Description</u> This project is established for the specific purpose of supporting the USAF requirements for the Foreign Materiel Program through the acquisition and exploitation of foreign materiel. Items considered for these Foreign Materiel Acquisition and Exploitation (FMA&E) funds are included in the prioritized Air Force Foreign Materiel Acquisition (FMA) list established each year. Each MAJCOM prepares and approves a Foreign Materiel - Mission Need Statement for each requirement. Annually, the MAJCOM commanders establish a list of their top 20 requirements. The MAJCOM's requirements lists are then integrated into an Air Force requirement list. Each MAJCOM then approves the AF list and requirements, and final validation comes from the Air Force Vice Chief of Staff. Exploitations are based on and driven by acquisitions. The list is classified secret. The USAF is tasked by OSD to be the DoD Executive Agent for all threat aircraft, air-to-air missiles, and early warning radars. As the Executive Agent, the AF is tasked to acquire, exploit and provide data to all DoD components.</p>											
<p>(U) <u>FY 2000 (\$ in Thousands)</u></p>											
<p>(U) \$1,759 Funds the acquisition of Foreign Materials IAW the prioritized Air Force Foreign Material Acquisition list; subject to assets availability.</p>											
<p>(U) \$348 Funds the exploitation of acquired Foreign Materials IAW prioritized lists and specific exploitation plans.</p>											
<p>(U) \$238 Funds the operations and maintenance of the specialized Foreign Material assets.</p>											
<p>(U) \$2,345 Total</p>											
<p>(U) <u>FY 2001 (\$ in Thousands)</u></p>											
<p>(U) \$2,930 Funds the acquisition of Foreign Materials IAW the prioritized Air Force Foreign Material Acquisition list; subject to assets availability.</p>											
<p>(U) \$2,572 Funds the exploitation of acquired Foreign Materials IAW prioritized lists and specific exploitation plans.</p>											
<p>(U) \$572 Funds the operations and maintenance of the specialized Foreign Material assets.</p>											
<p>(U) \$6,074 Total</p>											
<p>The following net transactions are not reflected in the FY01 program total: BTR=-268K, SBIR=-1258K, CGR RESC=-76K. These transactions are not reflected in other sections of the R-docs where an FY01 total is shown. These numbers account for the adjustments for the total Program Element, not just this BPAC.</p>											
<p>Project 7500 Page 10 of 11 Pages Exhibit R-2A (PE 0604256F)</p>											

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)							DATE June 2001				
BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development				PROJECT 7500			
(U) A. Mission Description Continued											
(U) FY 2002 (\$ in Thousands)											
(U) \$3,040 Funds the acquisition of Foreign Materials IAW the prioritized Air Force Foreign Material Acquisition list; subject to assets availability.											
(U) \$3,394 Funds the exploitation of acquired Foreign Materials IAW prioritized lists and specific exploitation plans.											
(U) \$636 Funds the operations and maintenance of the specialized Foreign Material assets.											
(U) \$7,070 Total											
(U) B. Project Change Summary											
None											
(U) C. Other Program Funding Summary (\$ in Thousands)											
	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</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) AF RDT&E											
(U) Other APPN											
None.											
(U) D. Acquisition Strategy											
Not applicable.											
(U) E. Schedule Profile											
				<u>FY 2000</u>			<u>FY 2001</u>		<u>FY 2002</u>		
				1	2	3	4	1	2	3	4
(U) Not applicable. Details are classified and are reported through other channels.											
Project 7500				Page 11 of 11 Pages				Exhibit R-2A (PE 0604256F)			