

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002	
BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development					
COST (\$ in Thousands)	FY 2001 Actual	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	32,939	37,775	30,351	38,596	39,283	39,376	40,150	Continuing	TBD
2907 Electronic Combat Intel Support	1,864	1,874	1,919	2,035	2,051	2,090	2,130	Continuing	TBD
3321 Electronic Warfare Ground Test Resources	25,270	28,901	21,224	29,252	29,742	29,652	30,242	Continuing	TBD
7500 Foreign Material Acquisition/Exploitation	5,805	7,000	7,208	7,309	7,490	7,634	7,778	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>(U) A. Mission Description This PE provides funding for the elements necessary to support the Air Force Electronic Warfare (EW) Test Process. This test process provides a scientific methodology to ensure the effective disciplined and efficient testing of 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 and testing of EW systems which can be used in any military action involving the use of electromagnetic and directed energy to control the electromagnetic spectrum or to attack the enemy. 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 of the Air Force for corporate-level implementation of the Electronic Warfare (EW) Test Process, improvement and modernization (I&M) activities 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.</p> <p>(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.</p>									

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BUDGET ACTIVITY		PE NUMBER AND TITLE			
06 - Management and Support		0604256F Threat Simulator Development			
(U) C. Program Change Summary (\$ in Thousands)					
		<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>
(U)	Previous President's Budget	34,785	38,153	40,198	
(U)	Appropriated Value	34,785	38,153		
(U)	Adjustments to Appropriated Value				
	a. Congressional/General Reductions	-244			
	b. Small Business Innovative Research	-1,258			
	c. Omnibus or Other Above Threshold Reprogram	-268			
	d. Below Threshold Reprogram				
	e. Rescissions	-76			
(U)	Adjustments to Budget Years Since FY 2002 PBR			-9,772	
(U)	Current Budget Submit/FY 2003 PBR	32,939	38,153	30,426	TBD
(U)	<u>Significant Program Changes:</u> FY03: AFEWES -\$1.1M; DIADS -\$1.7M; ITIP \$-3.1M; AWMS - \$2.2M; EW T&E M&S -\$1.7M; Delays EW Warfare Ground Test efforts.				

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE February 2002
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BUDGET ACTIVITY 06 - Management and Support	PE NUMBER AND TITLE 0604256F Threat Simulator Development	PROJECT 2907
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COST (\$ in Thousands)	FY 2001 Actual	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	1,864	1,874	1,919	2,035	2,051	2,090	2,130	Continuing	TBD

(U) **A. Mission Description**
 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).

(U) **FY 2001 (\$ in Thousands)**
 (U) \$1,499 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.
 (U) \$300 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.
 (U) \$65 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished.
 (U) \$1,864 Total

(U) **FY 2002 (\$ in Thousands)**
 (U) \$1,496 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.
 (U) \$322 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.
 (U) \$75 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished.
 (U) \$1,893 Total

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<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$1,474 Funds fighter and bomber testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.</p> <p>(U) \$400 Funds transport aircraft testing for foreign material operational exploitation. Extensive evaluations and reporting of blue system effectiveness to be accomplished.</p> <p>(U) \$50 Funds classified operational assessments for foreign material operational exploitation. Extensive evaluations and reporting to be accomplished.</p> <p>(U) \$1,924 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 style="width:15%;"></th> <th style="width:10%;"><u>FY 2001</u></th> <th style="width:10%;"><u>FY 2002</u></th> <th style="width:10%;"><u>FY 2003</u></th> <th style="width:10%;"><u>FY 2004</u></th> <th style="width:10%;"><u>FY 2005</u></th> <th style="width:10%;"><u>FY 2006</u></th> <th style="width:10%;"><u>FY 2007</u></th> <th style="width:10%;"><u>Cost to</u></th> <th style="width:10%;"><u>Total Cost</u></th> </tr> <tr> <td></td> <td style="text-align: center;"><u>Actual</u></td> <td style="text-align: center;"><u>Estimate</u></td> <td style="text-align: center;"><u>Complete</u></td> <td></td> </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> </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> </tr> <tr> <td></td> <td colspan="9">None</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 style="width:15%;"></th> <th colspan="4" style="width:40%;"><u>FY 2001</u></th> <th colspan="4" style="width:40%;"><u>FY 2002</u></th> <th colspan="4" style="width:40%;"><u>FY 2003</u></th> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> </thead> <tbody> <tr> <td>(U)</td> <td colspan="12">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.</td> </tr> </tbody> </table>										<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>Complete</u>		(U) AF RDT&E										(U) Other APPN											None										<u>FY 2001</u>				<u>FY 2002</u>				<u>FY 2003</u>					1	2	3	4	1	2	3	4	1	2	3	4	(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.											
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Project 2907			Page 4 of 11 Pages			Exhibit R-2A (PE 0604256F)																																																																																											

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)	DATE February 2002
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BUDGET ACTIVITY 06 - Management and Support	PE NUMBER AND TITLE 0604256F Threat Simulator Development	PROJECT 3321
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COST (\$ in Thousands)	FY 2001 Actual	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	25,270	28,901	21,224	29,252	29,742	29,652	30,242	Continuing	TBD

(U) **A. Mission Description**

The AF requires a comprehensive set of test facilities to implement the Air Force Electronic Warfare (EW) Test Process in order to test EW systems. To manage program risk effectively throughout the weapons system acquisition process, and conduct test and evaluation (T&E) effectively and efficiently, a broad multi-spectrum, integrated set of T&E capabilities for modeling and simulation (M&S) 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 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)) upgrades provide improvements to the NRTF at Holloman AFB, NM, to support radar cross section (RCS) measurement requirements of DoD and commercial 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) and RF missile warning, end-to-end testing of the missile warning/IR and Laser countermeasure function; 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 simulators 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). In FY 03, the Installed Test Integration Program (ITIP) begins development of a multi-spectral synthetic battlespace with virtual and constructive modeling and simulation test and evaluation capabilities within Edwards AFB, CA.

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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)</u>		
(U) \$846	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) \$3,626	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. Began 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) \$1,592	NRTF Upgrades. Enhanced efficiency of operations and accuracy of measurements. Expanded partnerships with major industry EW suppliers. Completed update of range characterization effort. Continued main site UHF/VHF upgrade.	
(U) \$5,123	AFEWES. Continued 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. Began development of SAM-D semi-active simulator. Completed development of Advanced Simulator modification (SAM-C), and continued development of capability to produce semi-active missile miss distance results using Open Air Range flight test data. Completed integration of second IR air-to-air missile and development of Missile Warning System Lab. Completed first iteration of IR Lab and SAM-B V&V.	
(U) \$3,183	DIADS. Continued providing mission level simulation for evaluating the survivability of aircraft penetrating an enemy air defense system by updating the IADS scenario with current intelligence data. Continued verification and validation efforts and began development of external linking with Blue IADS capabilities, in support of AF, Army, Navy and non-DoD test customers.	
(U) \$10,900	ECIT. Continued 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 in FY 02. Completed purchase of EW equipment in support of the F-22's Integrated Hardware-in-the-loop Avionics Test (IHAT) capability.	
(U) \$25,270	Total	
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		February 2002
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)</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 (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. Continue to improve communication and controls for precise RCS measurements at RAMS. Upgrade security measures. Continue to mitigate the impact of consolidation on our current resources. Begin initial studies, analysis, and related documentation to effectively manage risk associated with Low Frequency Bistatic measurements.	
(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. Complete 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 Open Air 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. Develop IR background scene environment. Begin integration of advanced IR SAM.	
(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. If additional funding becomes available, continue integration of Real Time SAM models. Complete IOC requirements.	
(U) \$10,612	ECIT. Complete 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.	
(U) \$1,964	AWMS. Complete requirements study 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	
Project 3321	Page 7 of 11 Pages	Exhibit R-2A (PE 0604256F)

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BUDGET ACTIVITY		PROJECT
06 - Management and Support	0604256F Threat Simulator Development	February 2002 3321
(U)	<u>A. Mission Description Continued</u>	
(U)	<u>FY 2003 (\$ in Thousands)</u>	
(U)	\$926	EC Test Process Support. Continue to conduct requirements analyses and other studies in support of Air Force investments in EW test infrastructure. Continue to 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)	\$1,774	EW Test and Evaluation Modeling and Simulation (EW T&E M&S). Continue development and deployment of the Verification and Validation (V&V) process for scalable integration with simulations to support DT&E, OT&E and training. Begin development of simulation based EW T&E tools and methodologies in support of EW test engineer's implementation of the EW test process. Continue integration and correlation process between EW T&E and training facilities being supported by Silver Bullet.
(U)	\$2,146	NRTF Upgrades. Continue to enhance efficiency of operations and accuracy of measurements. Complete infrastructure requirements supporting industry partners. Begin to assess advanced target support systems. Improve secure test program capability. Transition the new Low Frequency Bistatic Upgrade Project to CTEIP.
(U)	\$4,106	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. Complete integration and initial V&V of SAM-G and SAM-E. Continue development of SAM-D capability to produce semi-active missile miss distance results and complete first iteration of SAM-D validation using Open Air Range flight test data. Continue development of SAM-F and transition IR flyout models to PC-based software. Begin integration of Joint Research and Assessment Center (JRAAC) semi-active radar simulation with AFEWES semi-active suite.
(U)	\$2,460	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 intelligence data. Continue integrating DIADS with other Avionics Test and Integration Complex (ATIC) components. Continue efforts to perform parametric validation comparisons and OAR side-by-side correlation. Upgrade and maintain HLA and DIS capability to support current and future users: F-22, JSF, VSWE and other exercises.
(U)	\$9,528	ITIP. Begins Installed Test Integration Program (ITIP) that will integrate multiple RF and IR stimulators to replicate an electronic warfare battlespace to support testing of advanced weapons systems such as the F-22, JSF, and Compass Call. Includes upgrade of existing stimulators (Generic Radar Target Generator, Infrared Sensor Stimulator, RF Threat Simulators, and Communications-Navigation-Identification simulator) and integration of those upgrades into the electronic battlespace. Includes integration with the Digital Integrated Air Defense System (DIADS).
(U)	\$336	AWMS. Continue integrating EW capabilities into FSM reconfigurable cockpits 1 and 2. Begin requirements study for the completion of phase 2 of site preparation and cockpits 3 and 4.
(U)	\$21,276	Total
Project 3321		Exhibit R-2A (PE 0604256F)

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<p>(U) <u>B. Project Change Summary</u> FY03 Reductions: AFEWES -\$1.1M; DIADS -\$1.7M; ITIP -\$3.1M; AWMS - \$2.2M; EWT&E M&S -\$1.7M. Delays EW Warfare Ground Test efforts.</p> <p>(U) <u>C. Other Program Funding Summary (\$ in Thousands)</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;"></th> <th style="width:10%;"><u>FY 2001</u></th> <th style="width:10%;"><u>FY 2002</u></th> <th style="width:10%;"><u>FY 2003</u></th> <th style="width:10%;"><u>FY 2004</u></th> <th style="width:10%;"><u>FY 2005</u></th> <th style="width:10%;"><u>FY 2006</u></th> <th style="width:10%;"><u>FY 2007</u></th> <th style="width:10%;"><u>Cost to</u></th> <th style="width:10%;"><u>Total Cost</u></th> </tr> <tr> <td></td> <td style="text-align: center;"><u>Actual</u></td> <td style="text-align: center;"><u>Estimate</u></td> <td style="text-align: center;"><u>Complete</u></td> <td></td> </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> </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> </tr> <tr> <td>(U) Related RDT&E:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) PE 0604759F, Major T&E Investment</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>(U) PE 0604940D, Central T&E Investment Program</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> Contracts funded from this program are predominately awarded on the basis of full and open competition.</p> <p>(U) <u>E. Schedule Profile</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:45%;"></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> <th colspan="4" style="text-align: center;"><u>FY 2003</u></th> </tr> <tr> <td></td> <td style="text-align: center;">1</td><td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">4</td> <td style="text-align: center;">1</td><td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">4</td> <td style="text-align: center;">1</td><td style="text-align: center;">2</td><td style="text-align: center;">3</td><td style="text-align: center;">4</td> </tr> </thead> <tbody> <tr> <td>(U) This BPAC contains multiple schedule profiles which are available upon request.</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>											<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>Complete</u>		(U) AF RDT&E										(U) Other APPN										(U) Related RDT&E:										(U) PE 0604759F, Major T&E Investment										(U) PE 0604940D, Central T&E Investment Program											<u>FY 2001</u>				<u>FY 2002</u>				<u>FY 2003</u>					1	2	3	4	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 February 2002	
BUDGET ACTIVITY 06 - Management and Support				PE NUMBER AND TITLE 0604256F Threat Simulator Development				PROJECT 7500	
COST (\$ in Thousands)	FY 2001 Actual	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	5,805	7,000	7,208	7,309	7,490	7,634	7,778	Continuing	TBD
<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 2001 (\$ in Thousands)</u> (U) \$2,805 Funds the acquisition of Foreign Materials IAW the prioritized Air Force Foreign Material Acquisition list; subject to assets availability. (U) \$2,447 Funds the exploitation of acquired Foreign Materials IAW prioritized lists and specific exploitation plans. (U) \$553 Funds the operations and maintenance of the specialized Foreign Material assets. (U) \$5,805 Total</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u> (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</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u> (U) \$3,100 Funds the acquisition of Foreign Materials IAW the prioritized Air Force Foreign Material Acquisition list; subject to assets availability. (U) \$3,600 Funds the exploitation of acquired Foreign Materials IAW prioritized lists and specific exploitation plans. (U) \$526 Funds the operations and maintenance of the specialized Foreign Material assets. (U) \$7,226 Total</p>									
Project 7500			Page 10 of 11 Pages				Exhibit R-2A (PE 0604256F)		

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