

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002																															
BUDGET ACTIVITY <b>06 - Management and Support</b>				PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>																																			
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	380,227	392,453	398,266	406,485	466,509	468,847	469,081	Continuing	TBD																														
06TG 46 Test Group	20,392	21,097	22,287	22,959	26,673	24,608	24,611	Continuing	TBD																														
06TS Test and Evaluation Support	359,835	371,356	375,979	383,526	439,836	444,239	444,470	Continuing	TBD																														
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0																														
<p>(U) <b><u>A. Mission Description</u></b>                      Test facilities, capabilities and resources operated through this program include wind tunnels, rocket and jet engine test cells, limited space environmental simulation chambers, armament test ranges, climatic test facilities, avionics test facilities, aircraft testbeds, dry lakebed landing sites, instrumented test ranges, maintenance and repair of test facilities, civilian payroll, and contractor services. It also provides resources for maintaining Air Force Materiel Command (AFMC) assigned test and test support coded aircraft. No acquisition contracts are funded from this program; test support contracts for services and supplies and equipment are predominantly awarded on the basis of full and open competition.</p> <p>(U) <b><u>B. Budget Activity Justification</u></b>                      This program element is in Budget Activity 6, RDT&amp;E Management Support, because it funds institutional infrastructure resources (civilians, aircraft, facilities and ranges) to operate the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).</p> <p>(U) <b><u>C. Program Change Summary (\$ in Thousands)</u></b></p> <table border="0"> <thead> <tr> <th></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> <th><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td>382,663</td> <td>398,570</td> <td>378,880</td> <td>TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td>386,205</td> <td>394,570</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Appropriated Value</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>    a. Congressional/General Reductions</td> <td>-2,701</td> <td>-2,117</td> <td></td> <td></td> </tr> <tr> <td>    b. Small Business Innovative Research</td> <td>0</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>											<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>	(U) Previous President's Budget	382,663	398,570	378,880	TBD	(U) Appropriated Value	386,205	394,570			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-2,701	-2,117			b. Small Business Innovative Research	0			
	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>																																			
(U) Previous President's Budget	382,663	398,570	378,880	TBD																																			
(U) Appropriated Value	386,205	394,570																																					
(U) Adjustments to Appropriated Value																																							
a. Congressional/General Reductions	-2,701	-2,117																																					
b. Small Business Innovative Research	0																																						

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE			
BUDGET ACTIVITY		PE NUMBER AND TITLE			
<b>06 - Management and Support</b>		<b>0605807F Test and Evaluation Support</b>			
(U) <u>C. Program Change Summary (\$ in Thousands) Continued</u>		<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>
c. Omnibus or Other Above Threshold Reprogram		100			
d. Below Threshold Reprogram		-2,538			
e. Rescissions		-839			
(U) Adjustments to Budget Years Since FY 2002 PBR				19,386	
(U) Current Budget Submit/FY 2003 PBR		380,227	392,453	398,266	TBD
(U) <u>Significant Program Changes:</u>	FY02 Congressional Add of \$1.0M for Enhanced Flight Termination System (EFTS). FY03 increase to fund maintenance and repair.				

**UNCLASSIFIED**

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 2002			
BUDGET ACTIVITY <b>06 - Management and Support</b>				PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>				PROJECT <b>06TG</b>			
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	
06TG	46 Test Group	20,392	21,097	22,287	22,959	26,673	24,608	24,611	Continuing	TBD	
<p>(U) <b><u>A. Mission Description</u></b>            This project funds institutional test infrastructure support including: Command and supervisory staffs; supply stocks; upkeep, refurbishment, repair, and replacement of non-repairable or obsolete test equipment; test infrastructure for data collection, transmission, reduction, and analysis; civilian salaries, utilities, temporary duty travel, support contract costs for hardware and software engineering and maintenance. Project infrastructure support is provided for the unique capabilities of the 46th Test Group (TG) facilities: Central Inertial Guidance Test Facility (CIGTF/746th Test Squadron), the Holloman High Speed Test Track (HHSTT/846th Test Squadron) and the National Radar Cross Section (RCS) Test Facility (NRTF), the 586th Flight Test Squadron and Detachment 1 (DET 1). CIGTF provides independent assessments of inertial components, aircraft navigation systems, and missile guidance systems. HHSTT capabilities include full-scale testing in flight environments, realistic live-fire simulations, test item and target fragment recovery, and precision trajectory analysis and high speed photography. NRTF provides radar cross section (RCS) monostatic and bi-static amplitude and phase measurements, antenna pattern measurements, glint and near field measurements for low observable targets. The DET 1 provides liason function for coordination of all AF test and training operations at White Sands Missile Range (WSMR). A growing number of the WSMR tests support Directed Energy Systems. The 586th Flight Test Squadron provides flight test support for weapon system, missile, guided bomb and spaceplane test and evaluation. The 46th TG support services contracts are awarded on the basis of full and open competition.</p> <p>(U) <b><u>FY 2001 (\$ in Thousands)</u></b></p> <p>(U) \$2,599 Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, Navigational Warfare (NAVWAR), Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), Standard Missile (SM) -3 Live Fire T&amp;E (LFT&amp;E), Theater High Altitude Area Defense (THAAD) LFT&amp;E, Compact Energy Missile (CKEM) LFT&amp;E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office (JPO) Responsible Test Organization (RTO) responsibilities.</p> <p>(U) \$10,283 Contractor Services (in-house contract support activities)</p> <p>(U) \$7,510 T&amp;E Civilian Pay</p> <p>(U) \$20,392 Total</p>											
Project 06TG				Page 3 of 11 Pages				Exhibit R-2A (PE 0605807F)			

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE
BUDGET ACTIVITY		PROJECT
<b>06 - Management and Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>February 2002</b> <b>06TG</b>
(U) <b><u>A. Mission Description Continued</u></b>		
(U) <u>FY 2002 (\$ in Thousands)</u>		
(U) \$2,735	Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, NAVWAR, Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), SM-3 Live Fire T&E (LFT&E), Theater High Altitude Area Defense (THAAD) LFT&E, Compact Energy Missile (CKEM) LFT&E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office (JPO) Responsible Test Organization (RTO) responsibilities.	
(U) \$11,186	Contractor Services (in-house contract support activities)	
(U) \$7,176	T&E Civilian Pay	
(U) \$21,097	Total	
(U) <u>FY 2003 (\$ in Thousands)</u>		
(U) \$2,853	Continue institutional test infrastructure support to enable testing for unclassified programs such as Miniaturized Airborne Global Positioning Upgrade, Joint Global Positioning System (GPS) Combat Effectiveness, GPS jamming and electronic countermeasures, NAVWAR, Federal Aviation Authority (FAA), GPS integrated and embedded Inertial Navigation System (INS) programs, aircraft navigation systems including B-2 and F-22, munitions navigation systems such as Joint Air-to-Surface Standoff Missile (JASSM), F-22 ejection seat, Advanced Concept Ejection Seat (ACES) II Cooperative Modification Project (CMP), SM-3 Live Fire T&E (LFT&E), Theater High Altitude Area Defense (THAAD) LFT&E, Compact Energy Missile (CKEM) LFT&E, RCS testing, as well as multiple classified programs. Continue GPS-Joint Program Office (JPO) Responsible Test Organization (RTO) responsibilities.	
(U) \$438	Maintenance and repair for test unique infrastructure.	
(U) \$11,325	Contractor Services (in-house contract support activities)	
(U) \$7,671	T&E Civilian Pay	
(U) \$22,287	Total	
(U) <b><u>B. Project Change Summary</u></b>		
(U) Significant Program Changes: None		
Project 06TG	Page 4 of 11 Pages	Exhibit R-2A (PE 0605807F)

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 2002	
BUDGET ACTIVITY <b>06 - Management and Support</b>				PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>				PROJECT <b>06TG</b>	
<b>(U) C. Other Program Funding Summary (\$ in Thousands)</b>									
	<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) Not Applicable									
(U) Related RDT&E:									
(U) PE 0604759F, Major T&E Investment (Technical capability improvement and modernization)	0	938	1,002	1,095	1,215	299	3,989	Continuing	TBD
(U) PE 0604256F, Threat Simulator Development	1,592	2,065	2,146	1,753	1,987	2,152	2,651	Continuing	TBD
(U) PE 0604940D, Central Test & Evaluation Improvement Program (T&E) (investments for new tri-service test capabilities). Service programs compete for CTEIP funds on a yearly basis. FY2003 through FY2007 are To Be Determined (TBD).	9,125	2,000							TBD
<b>(U) D. Acquisition Strategy</b>									
Not applicable									
<b>(U) E. Schedule Profile</b>									
				<u>FY 2001</u>			<u>FY 2002</u>		<u>FY 2003</u>
			1	2	3	4	1	2	3
							1	2	3
(U) N/A									
46TG infrastructure support operations are continuous and are not driven by discrete start/end dates.									
Project 06TG			Page 5 of 11 Pages				Exhibit R-2A (PE 0605807F)		

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>	DATE <b>February 2002</b>
---	------------------------------

<b>BUDGET ACTIVITY</b> <b>06 - Management and Support</b>	<b>PE NUMBER AND TITLE</b> <b>0605807F Test and Evaluation Support</b>	<b>PROJECT</b> <b>06TS</b>
--	---	-------------------------------

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
06TS Test and Evaluation Support	359,835	371,356	375,979	383,526	439,836	444,239	444,470	Continuing	TBD

**(U) A. Mission Description**

This project provides resources to operate the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB). Test facilities/capabilities operated through this program include wind tunnels, rocket and jet engine test cells, limited space environmental simulation chambers, armament test ranges, climatic test facilities, avionics test facilities, aircraft testbeds, dry lakebed landing sites, instrumented test ranges, and test aircraft maintenance. Test and Evaluation (T&E) Support funds institutional test infrastructure activities including: Command and supervisory staffs; supply stocks; maintenance, repair, and replacement of worn or obsolete test equipment and facilities; test infrastructure for data collection, transmission, reduction, and analysis; civilian salaries; temporary duty travel; support contract costs for hardware and software engineering and maintenance; and minor improvement and modernization projects. It also funds institutional test aircraft depot level maintenance such as: Programmed Depot Maintenance (PDM), the calendar-based cyclic scheduling of aircraft into depots for update/inspection; modifications and any other depot level repairs required by the aircraft System Program Directors (SPD); engine overhauls; depot-provided area assistance; and assorted ground support equipment overhauls. Three major Air Force test centers are supported by this project: (1) Arnold Engineering and Development Center (AEDC), located at Arnold Air Force Base (AFB), TN, whose institutional test infrastructure supports operations of the largest complex of ground test facilities in the free world (includes transonic, supersonic, and hypersonic wind tunnels; rocket motor and turbine engine test cells; space environmental test chambers, hyperballistic ranges; and other specialized facilities). (2) Air Force Flight Test Center (AFFTC), located at Edwards AFB, CA, whose institutional test infrastructure supports weapons system development and operational test and evaluation for aircraft, aircraft subsystems and aircraft weapon systems, aerospace research vehicles, unmanned miniature vehicles, cruise missiles, parachute delivery/recovery systems, cargo handling systems, and Electronic Warfare (EW) systems for DoD and allied forces. The AFFTC mission includes the United States Air Force (USAF) Test Pilot School. (3) Air Armament Center (AAC) 46th Test Wing (TW) located at Eglin AFB, FL, is comprised of 724 square miles of land area, and approximately 123,000 square miles of water space. AAC 46TW provides the institutional test infrastructure required for the conduct of developmental and operational test and evaluation of non-nuclear air armaments (including aircraft guns, ammunition, bombs, and missiles); Command, Control, Communications, Computers and Intelligence (C4I) systems; target acquisition and weapon delivery systems; a multi-service climatic simulation capability, and determines target/test item spectral signatures for DOD and allied forces. AAC 46TW provides a scientific test process that supports the development and enhancement of munitions systems that support tri-service smart weapons development. AAC 46TW technology is compatible with weapon systems to be tested such as Advanced Medium Range Air-to-Air Missile (AMRAAM), Joint Direct Attack Munition (JDAM), AGM-130, Advanced Short Range Air-to-Air Missile (ASRAAM), Joint Tactical Information Distribution System (JTIDS), Joint Surveillance Target Attack Radar System (JSTARS), Combat Talon, etc. T&E support services contracts are awarded on the basis of full and open competition.

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		<b>DATE</b> February 2002
<b>BUDGET ACTIVITY</b>	<b>PE NUMBER AND TITLE</b>	<b>PROJECT</b>
<b>06 - Management and Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
(U) <b><u>A. Mission Description Continued</u></b>		
(U) <b><u>FY 2001 (\$ in Thousands)</u></b>		
(U) \$0	ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)	
(U) \$17,425	Continue institutional test infrastructure support to enable ground testing for classified programs, and unclassified programs (F-22, JDAM, F-15, F-16, JSF, B-1B, B-2, X-37, C-130, AMRAAM, AIM 9X, Minuteman, EELV, THAAD, Titan IV, F-18, F404, F414, F100, F119, and Tunnel 9).	
(U) \$20,833	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$92,822	Contractor Services (in-house contract support activities).	
(U) \$11,000	T&E Civilian Pay.	
(U) \$250	NATO Cooperative Research and Development (R&D) efforts in Imaging Spectrometer Development (AEDC/Canada). Continue effort to pool the spatial and spectral advances of both the US and Canada, and develop a high-resolution sensor system capable of characterizing signatures of rockets and aircraft, for drug interdiction, and identifying trace quantities of a broad spectrum of gases in the environment. Previously funded in PE 06063790F, NATO Cooperative R&D.	
(U) \$0		
(U) \$0	AIR FORCE FLIGHT TEST CENTER (AFFTC)	
(U) \$2,361	Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52, F-16, F-15, F-15E, F-22, F-117, Advanced Fighter Technology Integration (AFTI)/F-16, C-17, Avionics Test and Integration Center (ATIC), Advanced Range Instrumentation Aircraft (ARIA), Electronic Counter Countermeasures (ECCM), Electronic Warfare (EW) (B-1B ALQ-161, F-16 AN/ASQ-213, C-130 ALQ-172, etc.), and classified programs.	
(U) \$4,898	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$26,562	Contractor Services (in-house contract support activities).	
(U) \$63,194	T&E Civilian Pay.	
(U) \$41,363	Aircraft flying hour costs include: USAF Test Pilot School, pilot proficiency flying for sustained readiness; programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level reparables (DLR); fuel and fuel price increases; and related support. Proficiency flying funded at minimum levels to meet AFFTC proficiency flying goals. Includes Omnibus funding for regeneration effort for F-16 (Peace Gate) aircraft.	
(U) \$0		
(U) \$0	AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)	
(U) \$5,890	Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, Wind Corrected Munitions Dispenser	
Project 06TS	Page 7 of 11 Pages	Exhibit R-2A (PE 0605807F)

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		<b>DATE</b> February 2002
<b>BUDGET ACTIVITY</b>	<b>PE NUMBER AND TITLE</b>	<b>PROJECT</b>
<b>06 - Management and Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
(U) <u><b>A. Mission Description Continued</b></u>		
(U) <u>FY 2001 (\$ in Thousands) Continued</u>		
	(WCMD), Enhanced Guidance, Bomb Unit (GBU) -15, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, Directional Intra-Red Countermeasures (DIRCM), Ammunition for Advance Amphibious Assault Vehicle (AAAV), Unmanned Combat Aerial Vehicle (UCAV), etc.); C2 (Theater Battle Management Core System (TMBCS)), Link 16, Base and Installation Security System (BISS), and aircraft software upgrades (Air Force Mission Support System (AFMSS)).	
(U) \$5,843	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$17,740	Contractor Services (in-house contract support activities).	
(U) \$41,352	T&E Civilian Pay.	
(U) \$8,302	Aircraft flying hour costs include: pilot proficiency flying for sustained readiness; programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level repairables (DLR); fuel and fuel price increases; and related support. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.	
(U) \$359,835	Total	
(U) <u>FY 2002 (\$ in Thousands)</u>		
(U) \$0	ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)	
(U) \$2,915	Continue institutional test infrastructure support to enable ground testing for classified programs, and unclassified programs (F-22, JDAM, F-15, F-16, JSF, B-1B, B-2, X-37, X-38, KC-10, AMRAAM, AIM 9X, Minuteman, Peace Keeper, EELV, THAAD, Hyper-X CTS, Delta IV, F-18, TF39, F404, F405, F414, F100, F110, F415, F118, F119, and Tunnel 9).	
(U) \$26,424	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$95,827	Contractor Services (in-house contract support activities).	
(U) \$12,474	T&E Civilian Pay.	
(U) \$0	No Activity	
(U) \$0	AIR FORCE FLIGHT TEST CENTER (AFFTC)	
(U) \$2,636	Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52, F-16, F-15, F-15E, F-22, F-117, AFTI/F-16, C-17, ATIC, ECCM, EW (B-1B ALQ-161, F-16 AN/ASQ-213, C-130 ALQ-172, etc.), and classified programs. Includes effort for Enhanced Flight Termination System.	
(U) \$4,790	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$28,016	Contractor services (in-house contract support activities)	
Project 06TS	Page 8 of 11 Pages	Exhibit R-2A (PE 0605807F)

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		<b>DATE</b> February 2002
<b>BUDGET ACTIVITY</b>	<b>PE NUMBER AND TITLE</b>	<b>PROJECT</b>
<b>06 - Management and Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
(U) <u><b>A. Mission Description Continued</b></u>		
(U) <u><b>FY 2002 (\$ in Thousands) Continued</b></u>		
(U) \$69,033	T&E Civilian Pay	
(U) \$53,742	Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level reparable (DLR) and related support. Flying proficiency funded at minimum levels to meet AFFTC proficiency flying goals. Includes regeneration effort for F-16 (Peace Gate) aircraft.	
(U) \$0	No Activity	
(U) \$0	AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)	
(U) \$5,675	Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, Enhanced GBU-15, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).	
(U) \$5,843	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$21,198	Contractor Services (in-house contract support activities).	
(U) \$31,464	T&E Civilian Pay. Civilian authorizations moved due to mission change for Command Support Staff.	
(U) \$11,319	Aircraft flying hour costs include: pilot proficiency flying for sustained readiness; programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level reparable (DLR); fuel and fuel price increases; and related support. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.	
(U) \$371,356	Total	
(U) <u><b>FY 2003 (\$ in Thousands)</b></u>		
(U) \$0	ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)	
(U) \$3,427	Continue institutional test infrastructure support to enable ground testing for classified programs, and unclassified programs (F-22, JDAM, F-15, F-16, JSF, B-1B, B-2, X-37, X-38, KC-10, AMRAAM, AIM 9X, Minuteman, Peace Keeper, EELV, THAAD, Hyper-X CTS, Delta IV, F-18, TF39, F404, F414, F100, F110, F415, F118, F119, and Tunnel 9).	
(U) \$42,345	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$96,147	Contractor Services (in-house contract support activities).	
(U) \$14,314	T&E Civilian Pay.	
(U) \$0	No Activity	
(U) \$0	AIR FORCE FLIGHT TEST CENTER (AFFTC)	
Project 06TS	Page 9 of 11 Pages	Exhibit R-2A (PE 0605807F)

**UNCLASSIFIED**

<b>RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)</b>		<b>DATE</b> February 2002
<b>BUDGET ACTIVITY</b>	<b>PE NUMBER AND TITLE</b>	<b>PROJECT</b>
<b>06 - Management and Support</b>	<b>0605807F Test and Evaluation Support</b>	<b>06TS</b>
<b>(U) <u>A. Mission Description Continued</u></b>		
<b>(U) <u>FY 2003 (\$ in Thousands) Continued</u></b>		
(U) \$1,401	Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52, F-16, F-15, F-15E, F-22, F-117, AFTI/F-16, C-17, ATIC, ECCM, EW (B-1B ALQ-161, F-16 AN/ASQ-213, C-130 ALQ-172, etc.), and classified programs.	
(U) \$5,442	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$25,566	Contractor services (in-house contract support activities)	
(U) \$77,327	T&E Civilian Pay	
(U) \$37,662	Aircraft flying hour costs (to include USAF Test Pilot School) for pilot proficiency for sustained readiness to include programmed depot maintenance (PDM), engine overhauls, petroleum, oils, and lubricants (POL), depot level repairables (DLR) and related support. Flying proficiency funded at minimum levels to meet AFFTC proficiency flying goals.	
(U) \$0	No Activity	
(U) \$0	AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)	
(U) \$2,620	Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, Enhanced GBU-15, AIM 9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAV, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS)).	
(U) \$6,511	Utilities and maintenance and repair for test unique infrastructure.	
(U) \$19,388	Contractor Services (in-house contract support activities).	
(U) \$32,615	T&E Civilian Pay.	
(U) \$11,214	Aircraft Support (Includes programmed depot maintenance; engine overhauls; petroleum, oils and lubricants (POL); and related support). Fund proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals.	
(U) \$375,979	Total	
<b>(U) <u>B. Project Change Summary</u></b>		
FY02 Congressional Add of \$1.0M for Enhanced Flight Termination System (EFTS).		
FY03 increase to fund maintenance and repair.		
Project 06TS	Page 10 of 11 Pages	Exhibit R-2A (PE 0605807F)

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 2002	
BUDGET ACTIVITY <b>06 - Management and Support</b>				PE NUMBER AND TITLE <b>0605807F Test and Evaluation Support</b>				PROJECT <b>06TS</b>	
<b>(U) C. Other Program Funding Summary (\$ in Thousands)</b>									
	<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) Not Applicable									
(U) Related RDT&E:									
(U) PE 0604759F, Major T&E Investment (Technical capability improvement and modernization)	63,560	49,857	44,134	51,654	60,224	60,689	58,624	Continuing	TBD
(U) PE 0604256F, Threat Simulator Development	22,832	26,209	18,204	30,816	31,232	31,747	31,986	Continuing	TBD
(U) PE 0604940D, Central Test & Evaluation Improvement Program (T&E) (investments for new tri-service test capabilities). Service programs compete for CTEIP funds on a yearly basis.	31,508	33,268	36,919	32,771	31,049	19,755	6,595	Continuing	TBD
<b>(U) D. Acquisition Strategy</b>									
Not applicable.									
<b>(U) E. Schedule Profile</b>									
				<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>	
				1	2	3	4	1	2
								3	4
(U) N/A									
Most T&E test infrastructure overhead requirements are continuous and are not driven by discrete start/end dates.									
Project 06TS			Page 11 of 11 Pages				Exhibit R-2A (PE 0605807F)		