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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2000	
BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207141F F-117A Squadron				PROJECT 673956	
COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
673956 F-117A Stealth Fighter	10,305	11,659	3,912	2,292	3,530	10,063	7,145	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>(U) <u>A. Mission Description</u></p> <p>The F-117 is the world's first operational low-observable (LO) combat aircraft. Its combination of stealth and precision weapons delivery capability allows the United States Air Force to hold even the most highly defended targets at risk. The program completed production in Jul 1990 with the delivery of the final F-117 (number 59). The single operational F-117 unit is the 49th Fighter Wing stationed at Holloman AFB, NM. The program is now primarily engaged in sustainment activities for the F-117 which is projected to remain in service through at least 2018. This program provides funds to develop improved systems to enhance combat capability while maintaining a safe, reliable and supportable aircraft.</p> <p>This project provides research and development for multiple modifications to the F-117 weapons system. The MIL-STD-1760 Stores Management Processor (SMP) modification, which is expected to complete development in FY00, is an essential prerequisite for integration of advanced weapons on the F-117. Development efforts continue for Smart Weapons Integration, providing limited Joint Direct Attack Munition (JDAM) capability on the F-117. The original program plan included JDAM and Wind Corrected Munitions Dispenser (WCMD) capability, however, the current limited JDAM program will be pursued as a result of increased contractor estimates for the full 2-weapon capability. The addition of a limited integrated Enhanced GBU-27 capability with Pilot/Vehicle Interface (PVI) will be incorporated into the Smart Weapons Integration program and will begin development in FY01. Block Cycle 3 (BC3) will also begin Pre-EMD activities in FY00. BC3 Mid Life Upgrade replaces obsolete systems, establishes new vendors and improves reliability and maintainability to keep the F-117 operational through its service life.</p> <p>(U) <u>FY 1999 (\$ in Thousands)</u></p> <p>(U) \$6,565 Continued development work on Stores Management Processor (SMP)</p> <p>(U) \$3,740 Limited Enhanced GBU-27 development per Combat Mission Needs Statement</p> <p>(U) \$10,305 Total</p> <p>(U) <u>FY 2000 (\$ in Thousands)</u></p> <p>(U) \$2,212 Complete development work on SMP</p> <p>(U) \$2,447 Continue development work on Smart Weapons Integration (JDAM Risk Reduction)</p> <p>(U) \$7,000 Begin development work on Block Cycle 3 (Pre-EMD/PDRR)</p> <p>(U) \$11,659 Total</p>									
Project 673956			Page 1 of 5 Pages				Exhibit R-2 (PE 0207141F)		

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<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2001 (\$ in Thousands)</u></p> <p>(U) \$3,912 Continue development work on Smart Weapons Integration (EMD for limited JDAM and EGBU-27)</p> <p>(U) \$3,912 Total</p> <p>(U) <u>B. Budget Activity Justification</u></p> <p>This program is in budget activity 7, Operational System Development, because all aircraft have been delivered and the program is in its deployment phase.</p> <p>(U) <u>C. Program Change Summary (\$ in Thousands)</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="text-align: right; width: 10%;"><u>FY 1999</u></th> <th style="text-align: right; width: 10%;"><u>FY 2000</u></th> <th style="text-align: right; width: 10%;"><u>FY 2001</u></th> <th style="text-align: right; width: 10%;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY 2000 PBR)</td> <td style="text-align: right;">5,097</td> <td style="text-align: right;">4,807</td> <td style="text-align: right;">2,847</td> <td style="text-align: right;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: right;">5,147</td> <td style="text-align: right;">11,807</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 style="padding-left: 20px;">a. Congressional/General Reductions</td> <td style="text-align: right;">-35</td> <td style="text-align: right;">-10</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">b. Small Business Innovative Research</td> <td style="text-align: right;">-213</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">c. Omnibus or Other Above Threshold Reprogram</td> <td style="text-align: right;">3,740</td> <td style="text-align: right;">-64</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">d. Below Threshold Reprogram</td> <td style="text-align: right;">1,739</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">e. Rescissions</td> <td style="text-align: right;">-73</td> <td style="text-align: right;">-74</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">f. Other</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2000 PBR</td> <td></td> <td></td> <td style="text-align: right;">1,065</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2001 PBR</td> <td style="text-align: right;">10,305</td> <td style="text-align: right;">11,659</td> <td style="text-align: right;">3,912</td> <td style="text-align: right;">TBD</td> </tr> </tbody> </table> <p>Note: \$-61 for CANX Bill included in the FY99 Below Threshold Reprogram total</p> <p>(U) <u>Significant Program Changes:</u></p> <p>FY99: The F-117 was directed through a Combat Mission Statement (CMNS) to provide an adverse weather delivery of a precision weapon, specifically the Enhanced GBU-27 (EGBU-27). \$1.8M was added to the Stores Management Processor (SMP) effort for software modification, integrating a minimum 1760 interface, which will provide power and GPS data to the EGBU-27; \$3.74M in FY99 Supplemental funds for CMNS limited EGBU-27 integration development.</p> <p>FY00: \$7M was added to fund Block Cycle 3 Pre-EMD</p> <p>FY01: \$1.1M was added to Smart Weapons Integration development effort to support JDAM testing through the use of Environmental Guided Test Vehicles.</p>				<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>	(U) Previous President's Budget (FY 2000 PBR)	5,097	4,807	2,847	TBD	(U) Appropriated Value	5,147	11,807			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-35	-10			b. Small Business Innovative Research	-213				c. Omnibus or Other Above Threshold Reprogram	3,740	-64			d. Below Threshold Reprogram	1,739				e. Rescissions	-73	-74			f. Other					(U) Adjustments to Budget Years Since FY 2000 PBR			1,065		(U) Current Budget Submit/FY 2001 PBR	10,305	11,659	3,912	TBD
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Project 673956	Page 2 of 5 Pages	Exhibit R-2 (PE 0207141F)																																																												

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BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207141F F-117A Squadron				PROJECT 673956	
(U) D. Other Program Funding Summary (\$ in Thousands)									
	<u>FY 1999</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>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) Aircraft Procurement (BA-5), Appn 3010/BP1100, AF F117A Squadrons, PE 27141F	28,488	37,201	32,005	27,397	21,215	8,255	759	Continuing	TBD
(U) Other Procurement, Appn 3080/BP8300, AF F117A Squadrons, PE 27141F			2,377						2,377
(U) E. Acquisition Strategy									
RDT&E funds are executed to develop improved capability, reliability, maintenance and safety modification development efforts. Operational Flight Program (OFP) software is continuously updated as needed to support mod efforts to complement modification development efforts. The contracting approach varies by individual effort and involves Firm Fixed Price (FFP), Cost Plus Fixed Fee (CPFF), and Cost Plus Award Fee (CPAF) contract types.									
(U) F. Schedule Profile									
				<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>	
			1	2 3	4	1	2 3	4	1 2 3 4
(U) Stores Management Processor (SMP) (RDT&E Started Jul 96, Finishes Mar 00)						X			
(U) Single Configuration Fleet (SCF) (RDT&E Started Apr 96, Finishes Jan 99)				*					
(U) Smart Weapons Integration--Limited JDAM (PDRR Starts Sep 98, Fi Sep 00)							X		
(U) Smart Weapons Integ--Limited JDAM & Full EGBU-27 (EMD Strt FY01, Fin FY06)								X	
(U) Block Cyce 3 Pre-EMD (RDT&E Starts FY 00, Finishes FY 01)							X		X
Project 673956									
Page 3 of 5 Pages									
Exhibit R-2 (PE 0207141F)									

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2000			
BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207141F F-117A Squadron			PROJECT 673956			
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>
(U)	Development work on SMP (MIL-STD-1760)					6,565		2,212		
(U)	Limited Enhanced GBU-27 CMNS Integration					3,740				
(U)	Smart Weapons Integration							2,447		3,912
(U)	Block Cycle 3 Pre-EMD/PDRR							7,000		
(U)	Total					10,305		11,659		3,912
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)										
(U) Performing Organizations:										
<u>Contractor or</u>	<u>Contract</u>									
<u>Government</u>	<u>Method/Type</u>	<u>Award or</u>	<u>Performing</u>	<u>Project</u>						
<u>Performing</u>	<u>or Funding</u>	<u>Obligation</u>	<u>Activity</u>	<u>Office</u>	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Organizations</u>										
SMP (MIL-STD-1760 modification)										
Lockheed Martin Skunk Works, Palmdale CA	CPAF	Jul 98	19,927	19,927	11,150	6,565	2,212	0	0	19,927
Single Configuration Fleet (RAM Recoat Modification)						0	0	0	0	0
Wright Laboratory, Signature technology office	AF 616	Apr 96	329	329	329	0	0	0	0	329
Sandia Labs, Albuquerque NM	MIPR	Jan 98	4,751	4,751	4,751	0	0	0	0	4,751
Lockheed Martin Skunk Works, Palmdale CA	T&M	Apr 98	5,590	5,590	5,590	0	0	0	0	5,590
Ozone Depleting Chemical Modification	CPFF	Sep 97	2,139	2,139	2,139	0	0	0	0	2,139
Lockheed Martin Skunk Works, Palmdale CA										
Project 673956										

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BUDGET ACTIVITY										PROJECT
07 - Operational System Development										0207141F F-117A Squadron
										673956
(U) Performing Organizations Continued:										
<u>Product Development Organizations</u>										
Smart Wpn Integration	CPAF	Sep 98	TBD	TBD	350	0	2,447	3,912	Continuing	TBD
Lockheed Martin Skunk Works, Palmdale CA										
Limited Enhanced GBU-27	CPAF	Sep 99	3,740	3,740	0	3,740	0	0	0	3,740
Lockheed Martin Skunk Works, Palmdale CA										
Block Cycle 3 Pre-EMD	CPFF	Apr 00	7,000	7,000	0	0	7,000	0	0	7,000
Lockheed Martin Skunk Works, Palmdale CA										
<u>Support and Management Organizations</u>										
<u>Test and Evaluation Organizations</u>										
					<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>					<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development					24,309	10,305	11,659	3,912	TBD	TBD
Subtotal Support and Management										
Subtotal Test and Evaluation										
Total Project					24,309	10,305	11,659	3,912	TBD	TBD