

## UNCLASSIFIED

## RDT&amp;E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

DATE

June 2001

BUDGET ACTIVITY

**07 - Operational System Development**

PE NUMBER AND TITLE

**0207141F F-117A Squadron**

PROJECT

**3956**

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
3956 F-117A Stealth Fighter	11,107	3,876	2,305	3,554	10,140	7,207	1,099	1,122	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

Note: FY03-FY07 budget numbers do not reflect the DoD strategic review results.

(U) **A. Mission Description**

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 project provides research and development funding for multiple modifications to the F-117 weapons system to enhance combat capability while maintaining a safe, reliable and supportable aircraft. The MIL-STD-1760 Stores Management Processor (SMP) modification, which completed development in May 01, is an essential prerequisite for integration of advanced weapons on the F-117. Development efforts continue for Smart Weapons Integration. The FY01 PB submission reflected limited Enhanced GBU-27 (EGBU-27) and Joint Direct Attack Munition (JDAM) capability, but not Wind Corrected Munition Dispenser (WCMD) capability. The contractor proposal was lower than projected, allowing the program to implement full EGBU-27 capability, full JDAM capability, and software integration for subsequent WCMD flight testing. Block Cycle 3 (BC3) began Pre-EMD activities in FY00. BC3 Mid Life Upgrade replaces obsolete avionics systems, establishes new vendors and improves reliability and maintainability to keep the F-117 operational through its service life.

(U) **FY 2000 (\$ in Thousands)**

- (U) \$2,031 Complete development work on SMP
- (U) \$2,412 Continue development work on Smart Weapons Integration (JDAM Risk Reduction)
- (U) \$48 Limited EGBU-27 development per Combat Mission Need Statement (CMNS)
- (U) \$6,616 Begin development work on Block Cycle 3 (Pre-EMD/PDRR)
- (U) \$11,107 Total

The following net transactions are not reflected in the FY00 program total: BTR=-53K. These transactions are not reflected in other sections of the R-Docs where the FY00 total is shown.

Project 3956

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Exhibit R-2 (PE 0207141F)

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE <b>June 2001</b>																																																							
BUDGET ACTIVITY <b>07 - Operational System Development</b>	PE NUMBER AND TITLE <b>0207141F F-117A Squadron</b>	PROJECT <b>3956</b>																																																							
<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <u>FY 2001 (\$ in Thousands)</u></p> <p>(U) \$3,876 Continue development work on Smart Weapons Integration (EMD for full EGBU-27 and JDAM)</p> <p>(U) \$3,876 Total</p> <p>The following net transactions are not reflected in the FY01 program total: BTR-1.633M (includes -5K for canx bills) and SBIR=-135K. These transactions are not reflected in other sections of the R-Docs where the FY01 total is shown.</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$2,305 Continue development work on Smart Weapons Integration</p> <p>(U) \$2,305 Total</p> <p>(U) <b><u>B. Budget Activity Justification</u></b></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) <b><u>C. Program Change Summary (\$ in Thousands)</u></b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;"><u>FY 2000</u></th> <th style="width: 10%; text-align: center;"><u>FY 2001</u></th> <th style="width: 10%; text-align: center;"><u>FY 2002</u></th> <th style="width: 20%; text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget (FY 2001 PBR)</td> <td style="text-align: center;">11,659</td> <td style="text-align: center;">3,912</td> <td style="text-align: center;">2,292</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: center;">11,807</td> <td style="text-align: center;">3,912</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 style="text-align: center;">-10</td> <td style="text-align: center;">-27</td> <td></td> <td></td> </tr> <tr> <td>    b. Small Business Innovative Research</td> <td style="text-align: center;">-337</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    c. Omnibus or Other Above Threshold Reprogram</td> <td style="text-align: center;">-26</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    d. Below Threshold Reprogram</td> <td style="text-align: center;">-207</td> <td></td> <td></td> <td></td> </tr> <tr> <td>    e. Rescissions</td> <td style="text-align: center;">-120</td> <td style="text-align: center;">-9</td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2001 PBR</td> <td></td> <td></td> <td style="text-align: center;">13</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2002 PBR</td> <td style="text-align: center;">11,107</td> <td style="text-align: center;">3,876</td> <td style="text-align: center;">2,305</td> <td style="text-align: center;">TBD</td> </tr> </tbody> </table> <p>Note: -\$162K for CANX Bills included in the FY00 Below Threshold Reprogram total</p> <p>(U) <u>Significant Program Changes:</u></p>				<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Total Cost</u>	(U) Previous President's Budget (FY 2001 PBR)	11,659	3,912	2,292	TBD	(U) Appropriated Value	11,807	3,912			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-10	-27			b. Small Business Innovative Research	-337				c. Omnibus or Other Above Threshold Reprogram	-26				d. Below Threshold Reprogram	-207				e. Rescissions	-120	-9			(U) Adjustments to Budget Years Since FY 2001 PBR			13		(U) Current Budget Submit/FY 2002 PBR	11,107	3,876	2,305	TBD
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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE <b>June 2001</b>		
BUDGET ACTIVITY <b>07 - Operational System Development</b>				PE NUMBER AND TITLE <b>0207141F F-117A Squadron</b>				PROJECT <b>3956</b>		
<b>(U) D. Other Program Funding Summary (\$ in Thousands)</b>										
	<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) Aircraft Procurement (BA-5), Appn 3010/BP1100, AF F117A Squadrons, PE 27141F	36,154	31,712	27,620	21,409	8,326	766	826	843	Continuing	TBD
(U) Other Procurement, Appn 3080/BP8300, AF F117A Squadrons, PE 27141F		2,242								2,242
<b>(U) E. Acquisition Strategy</b>										
RDT&E funds are executed to develop improved capability, reliability, maintenance and safety modification 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.										
<b>(U) F. Schedule Profile</b>										
		<u>FY 2000</u>				<u>FY 2001</u>			<u>FY 2002</u>	
	1	2	3	4	1	2	3	4	1	2
(U) Stores Management Processor (SMP) (EMD Start Jul 96, Ends May 01)							*			
(U) Smart Weapons Integ--Full JDAM (PDRR Start Sep 98, Ends Aug 01)								X		
(U) Smart Weapons Integ- Full EGBU-27 & JDAM (EMD, May 01 to FY06)							*			
(U) Block Cycle 3 Pre-EMD (PDRR Phase 1 Start Jun 00, Finish Jul 02)					*					X
* = Completed Effort										
X = Planned Effort										
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE June 2001		
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
07 - Operational System Development					0207141F F-117A Squadron				3956	
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>										
							<u>FY 2000</u>	<u>FY 2001</u>		<u>FY 2002</u>
(U)	Development work on SMP (MIL-STD-1760)						2,031			
(U)	Smart Weapons Integration						2,412	3,876		2,305
(U)	Limited Enhanced GBU-27 CMNS Integration						48			
(U)	Block Cycle 3 Pre-EMD/PDRR						6,616			
(U)	Total						11,107	3,876		2,305
(U) <u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u>										
(U) <u>Performing Organizations:</u>										
<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 2000</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Organizations</u>										
SMP (MIL-STD-1760										
modification)										
Lockheed Martin Skunk	CPAF	Jul 98	17,766	17,766	15,735	2,031	0	0	0	17,766
Works, Palmdale CA										
Smart Wpn Integration	CPAF	Sep 98	TBD	TBD	350	2,412	3,876	2,305	Continuing	TBD
Lockheed Martin Skunk										
Works, Palmdale CA										
Limited Enhanced GBU-27	CPAF	Sep 99	3,788	3,788	3,740	48	0	0	0	3,788
Lockheed Martin Skunk										
Works, Palmdale CA										
Block Cycle 3 Pre-EMD	CPFF	Apr 00	6,616	6,616	0	6,616	0	0	0	6,616
Lockheed Martin Skunk										
Works, Palmdale CA										
<u>Support and Management Organizations</u>										
<u>Test and Evaluation Organizations</u>										
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)					DATE June 2001	
BUDGET ACTIVITY		PE NUMBER AND TITLE				PROJECT
07 - Operational System Development		0207141F F-117A Squadron				3956
		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
		<u>to FY 2000</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>Complete</u>
<u>Subtotals</u>						<u>Total</u>
Subtotal Product Development		19,825	11,107	3,876	2,305	TBD
Subtotal Support and Management						TBD
Subtotal Test and Evaluation						TBD
Total Project		19,825	11,107	3,876	2,305	TBD

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