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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2000				
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604762F Common Low Observable Verification Sys				PROJECT 654683			
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	
654683	Common Low Observable Verification System	4,054	5,818	11,621	2,078	0	0	0	0	24,041	
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	
<p>(U) <u>A. Mission Description</u> Common Low Observable Verification System (CLOVerS) is intended as an easily deployable flightline system to evaluate surface anomalies on low observable (stealth) aircraft. It will allow maintenance personnel to determine if a repair is needed, or if the repair performed was successful in restoring the low observable characteristic of the aircraft. CLOVerS is intended for use with the B-2, F-117, F-22, as well as future aircraft such as the Joint Strike Fighter. Key capabilities required include the ability to detect, locate, and resolve small surface defects, reduced measurement time (compared to existing verification methods), operation under less restrictive security measures, and a small deployment footprint.</p> <p>(U) <u>FY 1999 (\$ in Thousands)</u> (U) \$3,893 Awarded Development Contract (U) \$48 Development Contract Award Fee (U) \$113 Program Office Support (U) \$4,054 Total</p> <p>(U) <u>FY 2000 (\$ in Thousands)</u> (U) \$5,621 Continue Development Contract (U) \$48 Continue Development Contract Award Fee (U) \$149 Program Office Support (U) \$5,818 Total</p> <p>(U) <u>FY 2001 (\$ in Thousands)</u> (U) \$11,237 Continue Development Contract (U) \$48 Continue Development Contract Award Fee (U) \$336 Program Office Support (U) \$11,621 Total</p>											
Project 654683				Page 1 of 5 Pages				Exhibit R-2 (PE 0604762F)			

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(U) <u>B. Budget Activity Justification</u>										
This program is in budget activity 5 - Engineering and Manufacturing Development, Research Category 6.4 because this program develops the Common Low Observable Verification System (CLOVerS).										
(U) <u>C. Program Change Summary (\$ in Thousands)</u>										
		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>					
(U)	Previous President's Budget (FY 2000 PBR)	4,882	5,893	11,723	25,094					
(U)	Appropriated Value	4,901	5,893							
(U)	Adjustments to Appropriated Value									
	a. Congressional/General Reductions	-5								
	b. Small Business Innovative Research	-90								
	c. Omnibus or Other Above Threshold Reprogram		-39							
	d. Below Threshold Reprogram	-715								
	e. Rescissions	-37	-36							
	f. Other									
(U)	Adjustments to Budget Years Since FY 2000 PBR			-102						
(U)	Current Budget Submit/FY 2001 PBR	4,054	5,818	11,621	24,041					
(U) <u>Significant Program Changes:</u>										
(U) <u>D. Other Program Funding Summary (\$ in Thousands)</u>										
		<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)	PE27145F:Appn: Aircraft Procurement, AF (APAF) Budget Activity: Aircraft (A/C) Procurement/Common Support Equipment, Program Title: Common Low Observable Test Equipment	0	0	0	4,587	4,663	475	0	Continuing	TBD
(U)	Spares	0	0	0	11	76	191	224	Continuing	TBD
(U)	Total APAF	0	0	0	4,598	4,739	666	224	Continuing	TBD
Project 654683		Page 2 of 5 Pages			Exhibit R-2 (PE 0604762F)					

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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604762F Common Low Observable Verification Sys	PROJECT 654683
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(U) **E. Acquisition Strategy**

The contract was awarded using full and open competition. Engineering and Manufacturing Development (EMD) contract type is Cost Plus Award Fee.

(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) Milestone I Decision	*											
(U) RFP Release	*											
(U) Milestone II Decision		*										
(U) Contract Award			*									
(U) Begin Hardware/Software Integration							X					
(U) DT&E												X
(U) OT&E - FY02												
(U) LRIP Production - FY02-03												
(U) System Delivery - FY02-03												

* = Completed event
X = Planned event

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2000				
BUDGET ACTIVITY					PE NUMBER AND TITLE			PROJECT			
05 - Engineering and Manufacturing Development					0604762F Common Low Observable Verification Sys			654683			
(U) A. Project Cost Breakdown (\$ in Thousands)											
					<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		
(U)	CLOVerS Development Contract				3,893		5,621		11,237		
(U)	CLOVerS Development Contract Award Fee				48		48		48		
(U)	Program Office Support				113		149		336		
(U)	Total				4,054		5,818		11,621		
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)											
(U) Performing Organizations:											
	<u>Contractor or Government Performing Activity</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Performing Activity EAC</u>	<u>Project Office EAC</u>	<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Product Development Organizations</u>										
	Boeing Co., St Louis	CPAF/FPIF	May 99	TBD	22,263	0	3,941	5,669	11,237	1,691	22,538
	<u>Support and Management Organizations</u>										
	ASC/SMD, WPAFB OH	Various				470	113	149	384	387	1,503
	<u>Test and Evaluation Organizations</u>										
(U) Government Furnished Property:											
	<u>Item Description</u>	<u>Contract Method/Type or Funding Vehicle</u>	<u>Award or Obligation Date</u>	<u>Delivery Date</u>		<u>Total Prior to FY 1999</u>	<u>Budget FY 1999</u>	<u>Budget FY 2000</u>	<u>Budget FY 2001</u>	<u>Budget to Complete</u>	<u>Total Program</u>
	<u>Product Development Property</u>										
	Advanced Diagnostic Analysis Package (ADAP) and Radar Diagnostic Expert Equipment (RDES) software will be available to the contractor. Imaging Data from the B-2, F-117, and F-22 will be provided as appropriate. Current landing gear shrouds and flight control surface supports will be used until the CLOVerS items are developed.										
	<u>Support and Management Property</u>										
	<u>Test and Evaluation Property</u>										

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	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</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>Subtotals</u>						
Subtotal Product Development	0	3,941	5,669	11,237	1,691	22,538
Subtotal Support and Management	470	113	149	384	387	1,503
Subtotal Test and Evaluation						
Total Project	470	4,054	5,818	11,621	2,078	24,041