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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002		
BUDGET ACTIVITY <b>07 - Operational System Development</b>				PE NUMBER AND TITLE <b>0207445F FIGHTER TACTICAL DATA LINK</b>				PROJECT <b>5043</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
5043	Fighter Tactical Data Link	0	0	39,034	38,937	44,553	57,511	27,551	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0
<p>In FY 2003, this is a new PE. In FY 2003, #675043, Fighter Tactical Data Link includes a new start effort for F-22 JTIDS Xmit. It also includes efforts transferred from PE 0207131F, #674809, A-10 Squadrons, in order to comply with CSAF 17 Apr 01 direction to consolidate tactical data link/Link 16 funding and manage tactical data links as an enterprise.</p> <p>(U) <b><u>A. Mission Description</u></b>                      Tactical Data Links (TDL) are used in a combat environment to exchange information such as messages, data, radar tracks, target information, platform status, imagery, and command assignments. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDLs are used by the Air Force, Army, Navy, and Marine Corps theater Command and Control (C2) elements, weapons platforms, and sensors. TDLs include but are not limited to: Link-16, Link-11, Situational Awareness Data Link (SADL), Variable Message Format (VMF), Enhanced Position Location Reporting System (EPLRS), and Common Data link (CDL).</p> <p>This effort adds tactical data link capability to the A/OA-10 aircraft. The A/OA-10 upgrade is required to enhance its ability to support CAS and interdiction mission requirements. This effort also adds Link 16 transmit capability to the F-22. Link 16 provides a jam-resistant, secure digital data transfer network capability with a standardized waveform and data format allowing intra and inter-flight communications. Link 16 will increase mission effectiveness, provide situational awareness, provide positive identification of aircraft in the network, correlate on and off-board sensor data sharing target and threat information. Link 16 efforts include incorporating MIL-STD-6016 additions and changes, and applicable Interface Change Proposals (ICPs), and interoperability certification testing with the Joint Interoperability Test Center (JITC).</p> <p>(U) <b><u>FY 2001 (\$ in Thousands)</u></b>                      (U) \$0 No Activity                      (U) \$0 Total</p>										
Project 5043			Page 1 of 4 Pages				Exhibit R-2 (PE 0207445F)			

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<p>(U) <b><u>A. Mission Description Continued</u></b></p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$0 No Activity* (see Note)</p> <p>(U) \$0 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$29 A-10 Digital Data Link</p> <p>(U) \$39,005 F-22 JTIDS Xmit</p> <p>(U) \$39,034 Total</p> <p>*Note: No activity in this PE; however, prior to A-10 Digital Data Link activity (\$3,000 in FY02) was reflected in the R-2 in PE 0207131, #674809, A-10 Squadrons.</p> <p>(U) <b><u>B. Budget Activity Justification</u></b></p> <p>Fighter Tactical Data Link program is in Budget Activity 7, Operational System Development, since it supports integration of tactical data links into operational systems.</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: 60%;"></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: 10%; text-align: center;"><u>FY 2003</u></th> <th style="width: 10%; text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td></td> <td></td> <td style="text-align: center;">0</td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td></td> <td></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></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">b. Small Business Innovative Research</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">d. Below Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">e. Rescissions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>(U) Adjustments to Budget Years Since FY 2002 PBR</td> <td></td> <td></td> <td style="text-align: center;">39,034</td> <td></td> </tr> <tr> <td>(U) Current Budget Submit/FY 2003 PBR</td> <td></td> <td></td> <td style="text-align: center;">39,034</td> <td style="text-align: center;">TBD</td> </tr> </tbody> </table> <p>(U) <b><u>Significant Program Changes:</u></b></p> <p>FY03: The FY03 BES added \$39.1M for F-22 JTIDS transmit capability. FY03 also includes Digital Data Link efforts transferred from PE 0207131F, #674809, A-10 Squadrons.</p>				<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>	(U) Previous President's Budget			0	TBD	(U) Appropriated Value					(U) Adjustments to Appropriated Value					a. Congressional/General Reductions					b. Small Business Innovative Research					c. Omnibus or Other Above Threshold Reprogram					d. Below Threshold Reprogram					e. Rescissions					(U) Adjustments to Budget Years Since FY 2002 PBR			39,034		(U) Current Budget Submit/FY 2003 PBR			39,034	TBD
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Project 5043	Page 2 of 4 Pages	Exhibit R-2 (PE 0207445F)																																																							

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BUDGET ACTIVITY 07 - Operational System Development				PE NUMBER AND TITLE 0207445F FIGHTER TACTICAL DATA LINK				PROJECT 5043	
<b>(U) D. 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) AF RDT&E									
(U) Other APPN									
(U) APPN 10, BP-11, A-10 Digital Data Link (0207445F)				303	5,609	6,198	5,990	Continuing	TBD
(U) APPN 28 & 10, A-10 Precision Engagement (0207131F)		3,049	7,669	44,543	9,075	9,402	9,607	Continuing	TBD
(U) Appn 10, BP-11, F-22 JTIDS Xmit (0207138F)							1,217	Continuing	TBD
<b>(U) E. Acquisition Strategy</b>									
A-10: Digital Data Link (DDL) will be conducted under the A-10 Prime Contract which was awarded in Dec 1997 on a full-and-open basis. CPAF contract awarded.									
F-22: The FY02 acquisition strategy is currently being determined.									
<b>(U) F. Schedule Profile</b>									
				<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>	
				1	2	3	4	1	2
(U) A-10 Digital Data Link								*	
(U) F-22 JTIDS Xmit									*

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002			
BUDGET ACTIVITY 07 - Operational System Development					PE NUMBER AND TITLE 0207445F FIGHTER TACTICAL DATA LINK			PROJECT 5043		
(U) <b><u>A. Project Cost Breakdown (\$ in Thousands)</u></b>										
					<u>FY 2001</u>		<u>FY 2002</u>			<u>FY 2003</u>
(U)	A-10 Digital Data Link									29
(U)	Begin EMD for F-22 JTIDS Xmit effort									39,005
(U)	Total									39,034
(U) <b><u>B. Budget Acquisition History and Planning Information (\$ in Thousands)</u></b>										
(U) <b><u>Performing Organizations:</u></b>										
<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 2001</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Complete</u>	<u>Program</u>
<u>Product Development Organizations</u>										
Lockheed Martin Systems	CPAF	1QFY02	TBD	214				29	191	220
Integration (A-10 Digital Data Link)										
F-22 JTIDS Xmit	TBD	2QFY03	TBD	TBD				39,100	Continuing	TBD
<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 2001</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development								39,129	TBD	TBD
Subtotal Support and Management										
Subtotal Test and Evaluation										
Total Project								39,129	TBD	TBD