

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE February 2002	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration					
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	8,397	16,838	0	0	0	0	0	Continuing	TBD
4749 Link 16 System Integration	7,797	7,874	0	0	0	0	0	Continuing	TBD
4992 Family of Interoperable Operational Pictures (FIOP)	0	8,964	0	0	0	0	0	Continuing	TBD
P771 JTIDS	600	0	0	0	0	0	0	0	464,501
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

In FY02, Link 16 received \$71.0M as part of the Defense Emergency Relief Fund (DERF). Funding was used to: upgrade operational support equipment; accelerate terminal installations; acquire interim datalink management tools, coprocessors and gateways; and provide interoperability and operational support for Link-16. This was in support of operation Enduring Freedom. This funding is not reflected in the FY02 program total.

In FY 2003:

- a. #652189, JINTACCS efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655049, JINTACCS;
- b. #654749, Link 16 System Integration efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655050, TDL System Integration; and
- c. #654992, Family of Interoperable Operational Pictures (FIOP) efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655051, Family of Interoperable Operational Pictures (FIOP).

This was done 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.

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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604754F Tactical Data Link Integration																																									
<p>(U) <u>A. Mission Description</u> Tactical Data Link (TDL) integration employs the Joint Tactical Information Distribution System (JTIDS) and the Multifunction Information Distribution System (MIDS) terminals on multi-service platforms to broadcast Link 16 information to all participants operating within the network . TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDL terminals are used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.</p> <p>The number of Air Force platforms hosting Link 16 is expanding, from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, and other tactical fleets (F-15, F-16, F-22, RJ, ABCCC, B-1, B-2, B-52, etc.). Utilization of Link 16 in a joint environment requires the integration of terminals into these host platforms, and interoperability of Link 16 nets across all deployed joint and allied platforms. Cross-platform activities performed by the Tactical Data Links (TDL) System Program Office (SPO) include: integration efforts encompassing hardware, software, operational, and logistics development, certification of individual Link 16 implementations to joint and allied standards, establishment of Service wide net management procedures and operations, system wide enhancements and improvements, and test and sustainment activities. In addition, the SPO is supporting the integration of Link 16 into the Iceland Air Defense System (IADS) and has management responsibility for the Air Force's Air Defense System Integration (ADSI) systems. The Single Integrated Air Picture (SIAP) efforts will lead to the joint development of improvements to TDLs to better support the warfighter by ensuring that the air picture is composed of common, continual, unambiguous, tracks of all airborne objects. The Family of Interoperable Operational Pictures (FIOP) efforts ensures that the total air, sea, and land situational awareness picture is unified and provided to all forces operating within the TDL network.</p>																																										
<p>(U) <u>B. Budget Activity Justification</u> This program is in budget activity 5 (Engineering Manufacturing and Development) because it supports development, integration solutions, fielding, operational support activities, and support of special projects.</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: center;"><u>FY 2001</u></th> <th style="text-align: center;"><u>FY 2002</u></th> <th style="text-align: center;"><u>FY 2003</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: center;">8,745</td> <td style="text-align: center;">17,648</td> <td></td> <td style="text-align: center;">TBD</td> </tr> <tr> <td>(U) Appropriated Value</td> <td style="text-align: center;">8,745</td> <td style="text-align: center;">17,648</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;">-80</td> <td style="text-align: center;">-810</td> <td></td> <td></td> </tr> <tr> <td> b. Small Business Innovative Research</td> <td style="text-align: center;">-268</td> <td></td> <td></td> <td></td> </tr> <tr> <td> c. Omnibus or Other Above Threshold Reprogram</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> d. Below Threshold Reprogram</td> <td></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	8,745	17,648		TBD	(U) Appropriated Value	8,745	17,648			(U) Adjustments to Appropriated Value					a. Congressional/General Reductions	-80	-810			b. Small Business Innovative Research	-268				c. Omnibus or Other Above Threshold Reprogram					d. Below Threshold Reprogram				
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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)		DATE		
05 - Engineering and Manufacturing Development		February 2002		
BUDGET ACTIVITY	PE NUMBER AND TITLE			
05 - Engineering and Manufacturing Development	0604754F Tactical Data Link Integration			
(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>
e. Rescissions				
(U) Adjustments to Budget Years Since FY 2002 PBR				
(U) Current Budget Submit/FY 2003 PBR	8,397	16,838		TBD
(U) <u>Significant Program Changes:</u>				
In FY 2003:				
a. #652189, JINTACCS efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655049, JINTACCS;				
b. #654749, Link 16 System Integration efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655050, TDL System Integration; and				
c. #654992, Family of Interoperable Operational Pictures (FIOP) efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655051, Family of Interoperable Operational Pictures (FIOP).				

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 2002	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration				PROJECT 4749	
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
4749 Link 16 System Integration	7,797	7,874	0	0	0	0	0	Continuing	TBD
<p>In FY 2003, #654749, Link 16 System Integration efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655050, TCL System Integration, in order to consolidate the three Link 16 infrastructure PEs into one and manage tactical data links as an enterprise.</p> <p>(U) A. Mission Description Tactical Data Links (TDLs) 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>The number of Air Force platforms hosting TDLs are expanding from C2 aircraft (E-3, E-8, etc.) into the fighter, bomber, sensor, tanker, airlift and other tactical fleets (F-15, F-16, F-22, RJ, ABCCC, B-1, B-2, B-52, etc.). Utilization of TDLs in a joint environment requires the integration of terminals into these host platforms and interoperability of TDL networks across all deployed joint and allied platforms. Cross-platform activities performed by the Tactical Data Links System Program Office (SPO) include: integration efforts encompassing hardware, software, operational, and logistics development, certification of individual TDL implementations to joint and allied standards, establishment of Service wide net management procedures and operations, system wide enhancements and improvements, and test and sustainment activities. In addition, the SPO is supporting the integration of TDL into the Iceland Air Defense System (IADS) and has management responsibility for the Air Force's Air Defense System Integrator (ADSI). The Single Integrated Air Picture (SIAP) efforts will lead to the joint development of near real-time and real-time data from multiple sensors and TDLs. This will enhance the air picture provided to the warfighter by ensuring a common, continual, and unambiguous, tracks of all airborne objects.</p> <p>(U) FY 2001 (\$ in Thousands) (U) \$5,584 CONTINUE LINK 16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms. -- (U) On-going engineering integration support to platforms; technical improvements; field support; technical assistance to related tactical data link demonstration programs. (U) \$1,963 CONTINUE LINK 16 EMD SUPPORT: Efforts associated with fielding terminals.</p>									
Project 4749	Page 4 of 18 Pages							Exhibit R-2A (PE 0604754F)	

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)		DATE
		February 2002
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
05 - Engineering and Manufacturing Development	0604754F Tactical Data Link Integration	4749
(U) <u>A. Mission Description Continued</u>		
(U) <u>FY 2001 (\$ in Thousands) Continued</u>		
	-- (U) Support Operations Support Working Group; maintain developmental equipment; test support; fielding/non-recurring training; network support; crypto support; spectrum support, Single Integrated Air Picture System Engineering Task Force Support, Korea Tactical Data Link Upgrade support	
(U) \$100	CONTINUED TACTICAL DATA LINK CONNECTIVITY:	
	-- (U) Link 16/other TDLs/Gateway/Interfaces.	
	-- (U) ADSI Management.	
(U) \$150	CONTINUED SYSTEM TESTING & SUPPORT: Cross-platform test and evaluation and system level testing.	
(U) \$7,797	Total	
(U) <u>FY 2002 (\$ in Thousands)</u>		
(U) \$5,117	CONTINUE LINK 16 INTEGRATION: Efforts associated with hardware and software integration of Link 16 terminals into Air Force platforms.	
	-- (U) On-going engineering integration support to platforms; technical improvements; field support; technical assistance to related tactical data link demonstration programs.	
(U) \$2,239	CONTINUE LINK 16 EMD SUPPORT: Efforts associated with fielding terminals.	
	-- (U) Support Operations Support Working Group; maintain developmental equipment; test support; fielding/non-recurring training; network support; crypto support; spectrum support; gateway support; data link tool support.	
(U) \$279	CONTINUED TACTICAL DATA LINK CONNECTIVITY:	
	-- (U) Link 16/other TDLs/Gateways/Interfaces.	
	-- (U) ADSI Management.	
(U) \$239	CONTINUED SYSTEM TESTING & SUPPORT: Cross-platform test and evaluation and system level testing.	
(U) \$7,874	Total	
(U) <u>FY 2003 (\$ in Thousands)</u>		
(U) \$0	No Activity	
(U) \$0	Total	
(U) <u>B. Project Change Summary</u>		
In FY03, #654749, Link 16 System Integration efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655050, TDL System Integration		
Project 4749	Page 5 of 18 Pages	Exhibit R-2A (PE 0604754F)

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)											DATE February 2002			
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development						PE NUMBER AND TITLE 0604754F Tactical Data Link Integration					PROJECT 4749			
(U) C. Other Program Funding Summary (\$ in Thousands)														
	<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	3,790	7,895						Continuing				Continuing		
(U) D. Acquisition Strategy														
The Air Force Tactical Data Links System Program Office (SPO) provides for common development of integration and interoperability across all Air Force platforms and ensures that Link 16 is procured and maintained as a joint, end-to-end, command and control system. Host platforms program and budget for JTIDS or MIDS (Fighter Data Link (FDL) and Low Volume Terminal (LVT) derivatives) production terminals and for installation into operational units.														
(U) E. Schedule Profile														
				<u>FY 2001</u>				<u>FY 2002</u>			<u>FY 2003</u>			
			1	2	3	4	1	2	3	4	1	2	3	4
(U) Contract Milestones														
(U) - FDL Full Rate Production Award														*
(U) - MIDS LVT - F-16 Production Award														
(U) Host Platform Integration Start														
(U) - F-16 (thru FY04)														
(U) - Compass Call (thru FY02)										X				
(U) - Airborne Laser (ABL) (thru FY03)												X		
(U) - B-2 EMD										X				
(U) Command and Control Platforms														
(U) - AWACS Link 16 Qual Complete						*								
(U) Complete Baseline Integration														
(U) - MCE (P3I)														
(U) -- Installation Start														
(U) -- Installation Complete														
(U) -IADS installation start														X
* Denotes completed events														
Project 4749				Page 6 of 18 Pages				Exhibit R-2A (PE 0604754F)						

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT		
05 - Engineering and Manufacturing Development				0604754F Tactical Data Link Integration				4749		
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>
(U)	Link-16 Integration					5,584		5,838		
(U)	EMD Activities					1,963		2,239		
(U)	Tactical Data Link Connectivity					100		279		
(U)	System Testing & Support					150		239		
(U)	JEFX Funding					0		0		
(U)	Single Integrated Air Picture									
(U)	Total					7,797		8,595		
(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>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>	<u>to FY 2001</u>
									<u>Budget</u>	<u>Budget</u>
									<u>FY 2001</u>	<u>FY 2002</u>
									<u>FY 2003</u>	<u>Budget to</u>
										<u>Complete</u>
										<u>Total</u>
										<u>Program</u>
	<u>Product Development Organizations</u>									
	Data Link Solutions		MIPR		TBD				114	445
									649	Continuing
										TBD
	<u>Support and Management Organizations</u>									
	ESC		Various		Various				521	325
	CONTRACTOR SUPPORT		FPLOE		Various				1,076	2,913
	MITRE		FPLOE		Various				4,165	3,964
	Single Integrated Air Picture									4,099
	(SIAP)									Continuing
										TBD
	<u>Test and Evaluation Organizations</u>									
	EGLIN AFB		PO/616		Various				852	150
									310	Continuing
										TBD

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)				DATE February 2002		
BUDGET ACTIVITY		PE NUMBER AND TITLE			PROJECT	
05 - Engineering and Manufacturing Development		0604754F Tactical Data Link Integration			4749	
		<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>
		<u>to FY 2001</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Complete</u>
						<u>Total</u>
	<u>Subtotals</u>					<u>Program</u>
	Subtotal Product Development	114	445	649		TBD
	Subtotal Support and Management	5,762	7,202	7,636		TBD
	Subtotal Test and Evaluation	852	150	310		TBD
	Total Project	6,728	7,797	8,595		TBD

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)								DATE February 2002	
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration				PROJECT 4992	
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
4992 Family of Interoperable Operational Pictures (FIOP)	0	8,964	0	0	0	0	0	Continuing	TBD
<p>In FY 03, #654992, Family of Interoperable Operational Pictures (FIOP) efforts transferred to PE 0207434F, Link 16 Support and Sustainment, #655051, Family of Interoperable Operational Pictures (FIOP), in order to consolidate the three Link 16 infrastructure PEs into one and manage tactical data links as an enterprise.</p> <p>(U) <u>A. Mission Description</u> This funding and schedule will support development, integration, operational fielding and migration of capability to identified systems of record for the Family of Interoperable Operational Pictures (FIOP) initiative. The objective is to 'provide an all-source picture of the battle space containing actionable, decision-quality, information to the warfighter through a fusion of existing databases.' Stove-piped systems will be identified and 'linked' via an improved web-enabled Common Operational Picture (COP).</p> <p>(U) <u>FY 2001 (\$ in Thousands)</u> (U) \$0 No Activity (U) \$0 Total</p> <p>(U) <u>FY 2002 (\$ in Thousands)</u> (U) \$2,200 REQUIREMENTS & ENGINEERING MANAGEMENT: --(U) Provide requirement management (\$300K x 4 services: \$1,200K), AF Exec Agent (\$400K), and DISA Mgt (\$600K). (U) \$3,811 IMPLEMENTATION OF EXECUTION MGT CAPABILITY: --(U) Provide integration support, execution management, and visualization capabilities. (U) \$1,553 TACTICAL COE WORKSTATION DEVELOPMENT: --(U) Migrate USMC/USA C2PC to COP infrastructure. Provide integration support, engineering, hardware/software, and travel. (U) \$1,400 COE SUPPORT FOR JOINT VARIABLE MSG FORMAT: --(U) Implement COE processing of JVMF messages among USMC/USN/USA with scalable COP infrastructure in limited bandwidth environments. Provide integration support, engineering, hardware/software, and travel (U) \$8,964 Total</p>									
Project 4992			Page 10 of 18 Pages				Exhibit R-2A (PE 0604754F)		

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT		
05 - Engineering and Manufacturing Development				0604754F Tactical Data Link Integration				4992		
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>
(U)	REQUIREMENTS & ENGINEERING MANAGEMENT							2,200		
(U)	IMPLEMENTATION OF EXECUTION MGT CAPABILITY							3,811		
(U)	TACTICAL COE WORKSTATION DEVELOPMENT							1,553		
(U)	COE SUPPORT FOR JOINT VARIABLE MSG FORMAT							1,400		
(U)	Total							8,964		
(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 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>										
Execution Mgt Contractor	TBD	TBD					3,411	0	Continuing	TBD
Tactical Coe WS Contractor	TBD	TBD					1,403	0	Continuing	TBD
JVMF Contractor	TBD	TBD					1,250	0	Continuing	TBD
<u>Support and Management Organizations</u>										
Multi-Service Contractor	Various	Various					2,400	0	Continuing	TBD
Support										
MITRE	FPLOE	Various					500	0	Continuing	TBD
<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							6,064	0	TBD	TBD
Subtotal Support and Management							2,900	0	TBD	TBD
Subtotal Test and Evaluation										
Total Project							8,964	0	TBD	TBD

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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development	PE NUMBER AND TITLE 0604754F Tactical Data Link Integration	PROJECT P771
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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
P771 JTIDS	600	0	0	0	0	0	0	0	464,501

(U) **A. Mission Description**
 Joint Tactical Information Distribution System (JTIDS) is a secure, jam-resistant, high-capacity data link for use in a tactical combat environment. The follow on system is the Multifunction Information Distribution System (MIDS) run by the Navy. Both JTIDS and MIDS broadcast Link 16 (a.k.a., Tactical Digital Information Link J (TADIL J)) messages, free text, imagery and voice. They provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. Both are used by the Air Force, Army, Navy, and Marine Corps Theater Command and Control (C2) elements, weapons platforms, and sensors.

The JTIDS Program Office provides the user with JTIDS 2/2H terminals, as well as all of the acquisition support, technical assistance and integration necessary to operationally field, retrofit, and assist all of the platforms.

(U) **FY 2001 (\$ in Thousands)**

(U) \$392 CONTINUE ACQUISITION SUPPORT
 -- (U) Write, execute and administer contracts for multiple platforms
 -- (U) Command and Control Terminal Acquisition Support
 -- (U) Ongoing technical and programmatic support for JTIDS users

(U) \$162 CONTINUE TECHNICAL SUPPORT
 -- (U) Technical Improvements
 -- Technical support to AF platforms for the purpose of integrating and executing product improvements
 -- Technology Updates (e.g., advanced hardware and software)

(U) \$46 CONTINUE DIMINISHING MANUFACTURING RESOURCES
 -- (U) Identify problem electrical parts, assess impacts, develop, and implement resolution plans

(U) \$600 Total

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BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration			PROJECT P771		
(U) <u>A. Mission Description Continued</u>									
(U) <u>FY 2002 (\$ in Thousands)</u>									
(U) \$0 No Activity									
(U) \$0 Total									
(U) <u>FY 2003 (\$ in Thousands)</u>									
(U) \$0 No Activity									
(U) \$0 Total									
(U) <u>B. Project Change Summary</u>									
(U) <u>C. Other Program Funding Summary (\$ in Thousands)</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>Complete</u>	
(U) AF RDT&E									
(U) Other APPN									
(U)	0	0	0	0	0			0	0
Other Proc AF, PE 0204738F, Theater Battle Management Core System (TBMCS)									
(U)	0	0	0	0	0			0	0
Other Proc AF, 0305208F, Intel Ops Ground Syst.									
(U)	5	0	0	0	0			0	5
Other Proc AF, 46 OSS, Eglin AFB									
(U)	0	0	0	0	0				0
Other Proc AF, PE 0207581F Joint Surveillance Target Attack Radar System (JSTARS)									
(U)	0	0	0	0	0				0
Other Proc AF, Warner Robins Air Logistics Center									
(U)	0	0	0	0	0				0
Other Proc AF, PE 06072300 Ground Theater Air Control									
Project P771			Page 14 of 18 Pages			Exhibit R-2A (PE 0604754F)			

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2A Exhibit)							DATE		
							February 2002		
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT		
05 - Engineering and Manufacturing Development				0604754F Tactical Data Link Integration			P771		
(U) C. Other Program Funding Summary (\$ in Thousands)									
	<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>	
System (GTACS)									
(U)	Other Proc AF, PE 0604226F, B-1	60	0	0	0	0			60
* Other Program Funding reflects procurement of JTIDS hardware only. There are other USAF programs (F-15, F-16) that are budgeted to procure MIDS terminals in the FY00-FY06 timeframe.									
(U) D. Acquisition Strategy									
The JTIDS program office continues to manage the acquisition for the JTIDS Class 2/2H terminals for the Air Force, Navy, and Marine Corps. The Program Office has extended the ordering period for procurement of terminals in order to meet platform requirements. Funding for JTIDS terminal procurement will continue to wind down as the next generation Multifunctional Information Distribution System (MIDS) terminal becomes available. The period of performance to procure terminals is 30 September 2001, at that point terminal procurements are complete.									
(U) E. Schedule Profile									
				<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>	
			1	2 3	4	1 2 3 4	1	2 3 4	
(U)	New Software Releases (Yearly event)			*					
(U)	- FRP-2 Contract Extension				*				
(U)	Terminal Orders								
(U)	- Joint STARS			*					
(U)	- GTACS								
(U)	- B-1								
(U)	-Eglin AFB, 46 OSS								
(U)	Terminal Deliveries								
(U)	- TBMCS			*					
(U)	- Intel Ops Ground System								
(U)	- Joint STARS								
(U)	- Warner Robins ALC								
Project P771				Page 15 of 18 Pages			Exhibit R-2A (PE 0604754F)		

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)						DATE February 2002				
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT			
05 - Engineering and Manufacturing Development				0604754F Tactical Data Link Integration			P771			
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>
(U)	Acquisition Support					392				
(U)	Technical Support					162				
(U)	Diminishing Manufacturing Resources					46				
(U)	Total					600				
(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 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>										
GEC-MARCONI	FFP	DEC 85	230,727	230,727	230,727				0	230,727
LOCKHEED	FFP	JUN 93	6,761	6,761	6,761				0	6,761
GEC-MARCONI	FFP	JUN 93	1,123	1,123	850	0			0	850
CACD	FFP	JUN 93	1,616	1,616	1,072	401			0	1,473
MCAIR	CPFF	MAR 94	2,434	2,434	2,434				0	2,434
RADC	PO/616	Various	3,067	3,067	3,067				0	3,067
WR-ALC	PO/616	Various	2,966	2,966	2,966				0	2,966
NADEP	MIPR	Various	1,030	1,030	1,030				0	1,030
ACSI	FFP	SEP 94	492	492	492				0	492
VIASAT, INC.	FFP	Various	815	815	815				0	815
AF Platforms	PO/616	Various	169	169	169				0	169
NORTHROP GR	FFP	AUG 97	500	500	500				0	500
ROCKWELL	FFP	Various	2,080	2,080	2,080				0	2,080
HUGHES	FFP	Various	133	133	133				0	133
DRC	FFP	MAY 97	213	213	213				0	213

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2002			
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604754F Tactical Data Link Integration			PROJECT P771			
(U) Performing Organizations Continued:										
<u>Product Development Organizations</u>										
MIDSCO, Inc	MIPR	Various	4,251	4,251	4,251		0	4,251		
MOTOROLA INC	FFP	Various	1,800	1,800	1,800		0	1,800		
ALLIED SIGNAL	CPFF	Various	75	75	75		0	75		
MCDONNELL DG	FFP	Various	2,582	2,582	2,582		0	2,582		
BOEING	FFP	Various	869	869	869		0	869		
<u>Support and Management Organizations</u>										
ESC	Various	Various	21,875	21,875	21,973	149	0	22,122		
CONTRACTOR SUPPORT	Various	Various	42,863	42,863	42,749	50	0	42,799		
MITRE	FPLOE	Various	134,023	134,023	134,023	0	0	134,023		
<u>Test and Evaluation Organizations</u>										
MT HOME AFB	PO/616	Various	416	416	416		0	416		
EGLIN AFB	PO/616	Various	1,969	1,969	1,854	0	0	1,854		
					<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					262,886	401			0	263,287
Subtotal Support and Management					198,745	199			0	198,944
Subtotal Test and Evaluation					2,270	0			0	2,270
Total Project					463,901	600			0	464,501