

UNCLASSIFIED

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

DATE

February 2003

BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

05 - System Development and Demonstration (SDD)**0604779F Tactical Data Link Interoperability****2189**

COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
2189 JINTACCS	5,301	0	0	0	0	0	0	0	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0

On 17 April, 2001 the Chief of Staff of the Air Force (CSAF) approved the management of the Tactical Data Links (TDL) as a Major System Acquisition Program. In order to effectively manage the program, the Tactical Data Links System Program Office (SPO) was stood up at Electronic Systems Center (ESC), Hanscom AFB, MA on 29 May, 2001. Funding for the Tactical Data Link Infrastructure was contained in PE 0604754F, Tactical Data Link Integration; PE 0604779F, Tactical Data Link Interoperability; and PE 0207434, Link 16 Support and Sustainment. This funding was consolidated in PE 0207434F in FY03 for the purpose of supporting the Tactical Data Link Infrastructure.

(U) A. Mission Description

The Joint Interoperability of Tactical Command and Control Systems (JINTACCS) Program is a Joint Staff directed program that provides the sole Air Force (AF) activity responsible for ensuring the interoperability of AF Tactical Data Links (TDLs) [including, but not limited to Tactical Digital Information Links (TADILs) and Variable Message Formats (VMF)] and United States Message Text Format (USMTF) systems with the associated Joint and allied/coalition systems. The requirements for the program are delineated in DoDD 4630.5, DoDD 4630.8, CJCSI 6212.01B, and AFI 33-108. The program ensures platform/system interoperability through the development and management of the joint/combined architecture, tactical information exchange requirements (IERS), interface definitions and protocols, platform/system implementations, employment concepts, and operating procedures. This includes the coordination of all TDL and USMTF message standards configuration management, platform/system interoperability assessments and interoperability certification testing. Air Force platforms/systems participating in, and affected by, this program include, but are not limited to: Airborne Warning and Control System (AWACS); Modular Control Element (MCE); Air Operations Center (AOC); Joint Surveillance Target Attack Radar System (JSTARS); F-15 A/B/C/D/E; F-16 B30/40/50; F-22; A/OA-10; Joint Strike Fighter (JSF); Airborne Laser (ABL); B-1; B-2; B-52; F-117; RC-135; Regional/Sector Air Operations Center (RAOC/SAOC), Command & Control Information Processing System (C2IPS); Space Based Infrared System (SBIRS); Iceland Air Defense System (IADS); Air Support Operations Center (ASOC); and Tactical Air Control Parties (TACPs), Theater Battle Management Corps System (TBMCS), Contingency Automated Theater Automated Planning System (CTAPS), Combat Intelligence System (CIS), Air Defense System Integrator (ADSI), Distributed Common Ground System (DCGS), North American Aerospace Defense Command (NORAD)/United States Space Command (USSPACECOM) Warfighting Support System (N/UWSS), Region/Sector Air Operations Center (R/SAOC) AWACS Digital Information Link, and Global Command and Control System (GCCS)-Air Force. The Air Force JINTACCS program supports the Assistant Secretary of Defense (ASD) directive on harmonization of US and NATO messages (e.g., ATO and ACO).

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Exhibit R-2 (PE 0604779F)

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BUDGET ACTIVITY 05 - System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604779F Tactical Data Link Interoperability	PROJECT 2189
<p>(U) <u>A. Mission Description Continued</u></p> <p>(U) <u>FY 2002 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$646 Interoperability Certification Testing. Specific platforms for FY 02 were determined based on Link 16 message implementation, software upgrade, and system modification</p> <p>(U) \$1,711 US Message Text Formats Management and Updates</p> <p style="margin-left: 20px;">- Supported Joint, Allied/Coalition meetings and working groups</p> <p style="margin-left: 20px;">- Supported technology maturation for joint standards and DoD policy</p> <p>(U) \$2,944 Tactical Data Link Management and Architecture Development.</p> <p style="margin-left: 20px;">- Supported multi TADIL and VMF meetings and working groups</p> <p style="margin-left: 20px;">- Engaged in consultations regarding implementation and interoperability with the F-16, B-52, B-1, B-2, F-117</p> <p style="margin-left: 20px;">- Engaged in consultations regarding software updates and interoperability with the F-15C, E-3, E-8, Control and Reporting Center/Control and Reporting Element (CRC/CRE), interoperable Systems Management and Requirements Transformation (iSMART)</p> <p>(U) \$5,301 Total</p> <p>(U) <u>FY 2003 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>Note:</p> <p>(U) <u>FY 2004 (\$ in Thousands)</u></p> <p>(U) \$0 Accomplishments/Planned Program</p> <p>(U) \$0 No Activity</p> <p>(U) \$0 Total</p> <p>(U) <u>B. Budget Activity Justification</u></p> <p>This program is in budget activity 5 - Engineering and Manufacturing Development, because it is designed to improve the interoperability of Tactical Command and Control (C2) Systems used in support of joint operations.</p>		
<div style="display: flex; justify-content: space-between;"> Project 2189 Page 2 of 6 Pages Exhibit R-2 (PE 0604779F) </div>		

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2003						
BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT						
05 - System Development and Demonstration (SDD)				0604779F Tactical Data Link Interoperability			2189						
(U) <u>C. Program Change Summary (\$ in Thousands)</u>													
				<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>Total Cost</u>						
(U) Previous President's Budget				5,621	0		TBD						
(U) Appropriated Value				5,621									
(U) Adjustments to Appropriated Value													
a. Congressional/General Reductions													
b. Small Business Innovative Research				-155									
c. Omnibus or Other Above Threshold Reprogram													
d. Below Threshold Reprogram				-139									
e. Rescissions				-26									
(U) Adjustments to Budget Years Since FY 2003 PBR													
(U) Current Budget Submit/FY 2004 PBR				5,301			TBD						
(U) <u>Significant Program Changes:</u>													
None													
(U) <u>D. Other Program Funding Summary (\$ in Thousands)</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>FY 2008</u>	<u>FY 2009</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) <u>E. Acquisition Strategy</u>													
As the Air Force lead agent for a jointly directed program, JINTACCS provides level of effort technical support for increasing interoperability of AF programs through message text and data link standards implementation.													
(U) <u>F. Schedule Profile</u>													
				<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>							

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BUDGET ACTIVITY					PE NUMBER AND TITLE						PROJECT		
05 - System Development and Demonstration (SDD)					0604779F Tactical Data Link Interoperability						2189		
(U) F. Schedule Profile Continued													
					FY 2002		FY 2003				FY 2004		
		1	2	3	4	1	2	3	4	1	2	3	4
(U)	B-52 - Interoperability consultation for Software upgrades.	*											
(U)	F-22 - Interoperability consultation for Software upgrades.	*											
(U)	F-117 - Interoperability consultation for Software upgrades.	*											
(U)	Joint Strike Fighter (JSF) - Interoperability consultation for Software		*										
(U)	R/SAOC - Interoperability consultation for Software upgrades.		*										
(U)	IADS - Interoperability consultation for Software upgrades.		*										
(U)	TACP/ASOC - Interoperability consultation for Software upgrades.		*										
(U)	Interoperability Certification Testing												
(U)	(Passed Joint and CAF Interoperability)	*											
(U)	- MCE P3I												
(U)	CAF		*										
(U)	Joint			*									
(U)	- JSTARS												
(U)	CAF				*								
(U)	Joint			*									
(U)	- E-3 AWACS												
(U)	CAF	*											
(U)	Joint		*										
(U)	- F-15E												
(U)	CAF												
(U)	Joint			*									
(U)	- IADS	*											
(U)	CAF			*									
(U)	Joint	*											
(U)	- ABCCC												
(U)	CAF												
(U)	Joint		*										
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(U) F. Schedule Profile Continued

				<u>FY 2002</u>				<u>FY 2003</u>				<u>FY 2004</u>			
				1	2	3	4	1	2	3	4	1	2	3	4
(U)	- RADIL														
(U)	CAF						*								
(U)	Joint				*										
(U)	- ABL														
(U)	CAF						*								
(U)	Joint														
(U)	- F-16			*											
(U)	CAF						*								
(U)	Joint			*											
(U)	- TACP				*										
(U)	CAF						*								
(U)	OPFAC INSTALL/INTEGRATION						*								
(U)	- F-15E Complete				*										

* Denotes completed event

X Denotes planned event

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)							DATE February 2003			
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
05 - System Development and Demonstration (SDD)					0604779F Tactical Data Link Interoperability				2189	
(U) <u>A. Project Cost Breakdown (\$ in Thousands)</u>										
					<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>	
(U) Interoperability Certification Testing					646		0			
(U) US Message Text Formats Management					1,711		0			
(U) Tactical Data Links Management					2,944		0			
(U) Total					5,301		0			
(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>Activity</u>		<u>Vehicle</u>		<u>Date</u>		<u>EAC</u>		<u>EAC</u>		
<u>Product Development Organizations</u>										
MITRE		CPAF		OCT 72		35,228		2,838		Continuing TBD
B3H		CPFF		MAY 97		2,494		1,718		Continuing TBD
COMPTEK		CPAF		OCT 92		3,728				0 3,728
HTI		CPAF		OCT 94		1,300				0 1,300
<u>Support and Management Organizations</u>										
Prog Office		Various		Various		243		335		Continuing TBD
<u>Test and Evaluation Organizations</u>										
AF Participating Test Unit (PTU)		PO/616		OCT 97		1,242		410		Continuing TBD
					<u>Total Prior</u>		<u>Budget</u>		<u>Budget</u>	
<u>Subtotals</u>					<u>to FY 2002</u>		<u>FY 2002</u>		<u>FY 2003</u>	
Subtotal Product Development					42,750		4,556		TBD TBD	
Subtotal Support and Management					243		335		TBD TBD	
Subtotal Test and Evaluation					1,242		410		TBD TBD	
Total Project					44,235		5,301		TBD TBD	

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Exhibit R-3 (PE 0604779F)