

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2000			
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development				PE NUMBER AND TITLE 0604779F Joint Interoperability of Tactical Command/Control				PROJECT 652189		
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
652189	JINTACCS	5,317	5,798	5,825	5,889	5,982	6,101	6,221	Continuing	TBD
Quantity of RDT&E Articles		0	0	0	0	0	0	0	0	0
<p>(U) <u>A. Mission Description</u> 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 6212.01A, 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: Airborne Warning and Control System (AWACS); Airborne Battlefield Command and Control Center (ABCCC); 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), Caribbean Basin Radar Network (CBRN); 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). 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).</p> <p>(U) <u>FY 1999 (\$ in Thousands)</u></p> <p>(U) \$1,164 Continue Interoperability Certification Testing - CAF Certification for JSTARS, and E-3 - Joint Certification for MCE P3I, JSTARS, E-3, F-15C, and ADSI</p> <p>(U) \$1,547 Continue US Message Text Formats Management</p> <p>(U) \$2,606 Continue Tactical Data Link Management and Architecture Development - Support multiple multi TADIL & VMF meetings and working groups - Consultations regarding implementation and interoperability with the F-16, and the E-8.</p>										
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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
05 - Engineering and Manufacturing Development	0604779F Joint Interoperability of Tactical Command/Control	652189
(U) <u>A. Mission Description Continued</u>		
(U) <u>FY 1999 (\$ in Thousands) Continued</u>		
	- Consultations regarding software updates and interoperability with the E-3	
(U) \$5,317	Total	
(U) <u>FY 2000 (\$ in Thousands)</u>		
(U) \$1,190	Continue Interoperability Certification Testing	
	- Specific platforms for FY00 will be determined based on initial Link 16 message implementation, software upgrade, and system modification schedules	
(U) \$1,613	Continue US Message Text Formats Management	
(U) \$2,995	Continue Tactical Data Link Management and Architecture Development	
	- Support multiple multi TADIL & VMF meetings and working groups	
	- Consultations regarding implementation and interoperability with the F-16	
	- Consultations regarding software updates and interoperability with the F-15C, E-3, E-8, ABL	
(U) \$5,798	Total	
(U) <u>FY 2001 (\$ in Thousands)</u>		
(U) \$437	Continue Interoperability Certification Testing	
	- Specific platforms for FY01 will be determined based on initial Link 16 message implementation, software upgrade, and system modification schedules.	
(U) \$1,886	Continue US Message Text Formats Management	
(U) \$3,502	Continue Tactical Data Link Management and Architecture Development	
	- Support multi TADIL & VMF meetings and working groups	
	- Consultations regarding implementation and interoperability with the F-16	
	- Consultations regarding software updates and interoperability with the F-15C, E-3, E-8, ABCCC, CRC/CRE	
(U) \$5,825	Total	
(U) <u>B. Budget Activity Justification</u>		
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.		
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BUDGET ACTIVITY		PE NUMBER AND TITLE			PROJECT					
05 - Engineering and Manufacturing Development		0604779F Joint Interoperability of Tactical Command/Control			652189					
(U) C. Program Change Summary (\$ in Thousands)										
		<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>					
(U)	Previous President's Budget (FY 2000 PBR)	5,687	5,837	5,877	TBD					
(U)	Appropriated Value	5,823	5,837							
(U)	Adjustments to Appropriated Value									
	a. Congressional/General Reductions	-136								
	b. Small Business Innovative Research	-160								
	c. Omnibus or Other Above Threshold Reprogram		-39							
	d. Below Threshold Reprogram	-180								
	e. Rescissions	-30								
	f. Other									
(U)	Adjustments to Budget Years Since FY 2000 PBR			-52						
(U)	Current Budget Submit/FY 2001 PBR	5,317	5,798	5,825	TBD					
(U)	<u>Significant Program Changes:</u>									
	None									
(U) D. Other Program Funding Summary (\$ in Thousands)										
		<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)	AF RDT&E									
(U)	Other APPN									
	Not Applicable									
(U) E. Acquisition Strategy										
	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) F. Schedule Profile										
		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>				

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BUDGET ACTIVITY					PE NUMBER AND TITLE					PROJECT			
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(U) F. Schedule Profile Continued													
		<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) F-16 - Complete OFP M-3 baseline Implementation/Interoperability	*				X								
(U) E-8 - Complete ASU Spiral 1 Implementation/Interoperability									X				
(U) AOC - Complete baseline Implementation/Interoperability		*					X						
(U) F-15C - Interoperability consultation for Software upgrades.					X				X				
(U) F-16 - Interoperability consultation for Software upgrades.							X						
(U) E-3 - Interoperability consultation for Software upgrades.		*				X				X			
(U) E-8 - Interoperability consultation for Software upgrades.							X				X		
(U) ABCCC - Interoperability consultation for Software upgrades.								X				X	
(U) CRC/CRE - Interoperability consultation for Software upgrades.					X				X				
(U) AOC - Interoperability consultation for Software upgrades.						X				X			
(U) F-15E - Interoperability consultation for Software upgrades.							X				X		
(U) ABL - Interoperability consultation for Software upgrades.									X				
(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	*									X			
(U) Joint		*									X		
(U) - F-15C/D													
(U) CAF											X		
(U) Joint				*								X	

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(U) **F. Schedule Profile Continued**

	<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) - ABCCC												
(U) CAF							X					
(U) Joint								X				
(U) - ADSI												
(U) Joint			*									
(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 2000		
BUDGET ACTIVITY					PE NUMBER AND TITLE				PROJECT	
05 - Engineering and Manufacturing Development					0604779F Joint Interoperability of Tactical Command/Control				652189	
(U) A. Project Cost Breakdown (\$ in Thousands)										
						<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>
(U)	Interoperability Certification Testing					1,164		1,190		437
(U)	US Message Text Formats Management					1,547		1,613		1,886
(U)	Tactical Data Links Management					2,606		2,995		3,502
(U)	Total					5,317		5,798		5,825
(U) B. Budget Acquisition History and Planning Information (\$ in Thousands)										
(U) Performing Organizations:										
<u>Contractor or Government</u>	<u>Contract Method/Type</u>	<u>Award or Obligation</u>	<u>Performing Activity</u>	<u>Project Office</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>Activity</u>	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>						
<u>Product Development Organizations</u>										
<u>Support and Management Organizations</u>										
MITRE	CPAF	OCT 72			35,228	2,922	2,626	3,075	Continuing	TBD
B3H	CPFF	MAY 97			2,494	778	1,647	1,978	Continuing	TBD
COMPTEK	CPAF	OCT 92			3,728	612	0	0	Continuing	TBD
HTI	CPAF	OCT 94			1,300	0	0	0	0	1,300
Prog Office	Various	Various			243	453	335	335	Continuing	TBD
AF Participating Test Unit (PTU)	PO/616	OCT 97			1,242	552	1,190	437	Continuing	TBD
<u>Test and Evaluation Organizations</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>Subtotals</u>										
Subtotal Product Development					44,235	5,317	5,798	5,825	TBD	TBD
Subtotal Support and Management										
Subtotal Test and Evaluation										
Total Project					44,235	5,317	5,798	5,825	TBD	TBD