

# ARCHIVED REPORT

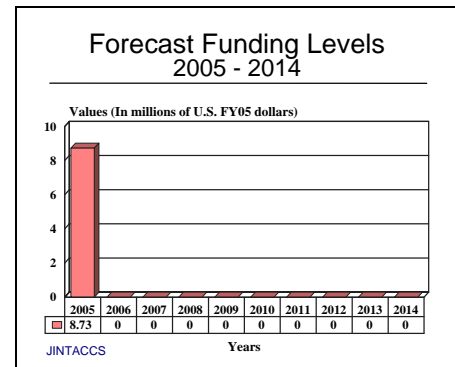
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## JINTACCS - Archived 6/2006

### Outlook

- Forecast International projects the U.S. Air Force will spend some \$8.73 million in fiscal year 2005 on technology research for the JINTACCS program
- In October 2005, the U.S. Department of Defense will eliminate the project that funds the JINTACCS program
- Barring any major developments, this report will be archived in June 2006



### Orientation

**Description.** The Joint Interoperability of Tactical Command and Control Systems (JINTACCS) program is a United States Department of Defense research and development effort administered by the U.S. Air Force. The JINTACCS program develops technology to standardize the messaging capabilities of future U.S. and allied tactical command, control, and communications systems.

#### Sponsor

Joint Tactical Command, Control and Communications Agency (JTC<sup>3</sup>A)  
Fort Monmouth, New Jersey (NJ)  
USA

**Status.** In October 2005, the U.S. Department of Defense will eliminate the project that funds the JINTACCS program.

**Total Produced.** Not applicable.

**Application.** Command, control, communications, and computing.

**Price Range.** Not applicable.

### Contractors

MITRE Corp, <http://www.mitre.org>, 202 Burlington Road, Bedford, MA 01730 United States, Tel: +1 (781) 271-2000, Program Participant (Ongoing RDT&E)

### Technical Data

**Design Features.** The Joint Interoperability of Tactical Command and Control Systems (JINTACCS) program has four objectives: to establish technical compatibility and interoperability requirements for tactical C<sup>4</sup> standards for the U.S. and allied forces; to develop, test, and maintain character-oriented messages

for transmitting information; to develop, test, and maintain bit-oriented communications and ensure they are compatible and interoperable among automated C<sup>4</sup> systems of U.S. and allied forces; and to oversee the testing and management of the operational message standards of the Joint Tactical Air Operations Interface.

## Variants/Upgrades

No variants or upgrades are associated with the Joint Interoperability of Tactical Command and Control Systems program.

## Program Review

**Background.** In April 1971, the Joint Chiefs of Staff formed the Joint Ground and Amphibious Military Operations (GAMO) program. The aim of the program was to enhance command, control, communications, and computer interoperability. In 1977, the GAMO program was reorganized into the Joint Interoperability of Tactical Command and Control Systems program.

In May 1985, effectiveness demonstrations were carried out in five of seven JINTACCS general areas: air operations, operations control, fire support, intelligence, and maritime operations. The Joint Chiefs of Staff (JCS) issued a directive in August 1985 calling for the first implementation of a JINTACCS standard. According to the JCS memo, the services were directed to start using the JINTACCS Message Text Format for interoperability between the armed services (in all combined and joint operations).

In 1994, the U.S. Air Force began testing the Tactical Digital Information Link (TADIL) message standard, and continued development of TADIL capability. The

Air Force continued testing and developing TADIL capabilities throughout 1995.

By early 1998, the JINTACCS program had produced 132 message standards. The Joint Tactical Command, Control and Communications Agency produced the *Joint Connectivity Handbook*, which lists all interoperable command, control, communications, and computer systems in use by the U.S. armed services and various defense agencies.

Project 5049 within PE#0207434F funds the Joint Interoperability of Tactical Command and Control Systems program. In 2003, Project 5049 continued conducting consultations regarding implementation and interoperability of the Tactical Data Link with the F-16, B-52, B-1, B-2, and F-117 weapon systems. In 2004 and 2005, Project 5049 continued JINTACCS interoperability certification testing.

Latest Information. In FY 2006 (October 2005), Project 5049 (JINTACCS) will be eliminated.

## Funding

### U.S. FUNDING

	<u>FY05</u>		<u>FY06</u>		<u>FY07 (Req)</u>			
	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>		
<b>RDT&amp;E (U.S. Air Force)</b>								
PE 0207434F								
Project 5049 (JINTACCS)	-	8.73	-	0.00	-	0.00		
	<u>FY08 (Req)</u>		<u>FY09 (Req)</u>		<u>FY10 (Req)</u>		<u>FY11 (Req)</u>	
	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>	<u>QTY</u>	<u>AMT</u>
<b>RDT&amp;E (U.S. Air Force)</b>								
PE 0207434F								
Project 5049 (JINTACCS)	0.00		0.00		0.00		0.00	

All US\$ are in millions.

Source: U.S. Department of the Air Force FY 2006/2007 RDT&E Budget Document

## Recent Contracts

Recent contract information is not available.

## Timetable

<u>Month</u>	<u>Year</u>	<u>Major Development</u>
Apr	1971	Joint Ground and Amphibious Military Operations program established

<u>Month</u>	<u>Year</u>	<u>Major Development</u>
Aug	1977	GAMO reorganized into JINTACCS
	1978	Engineering design plans for all functional segments written
May	1981	Initial Operational Effectiveness demonstrations
	1983	Plans for JINTACCS drawn up
Sep	1986	JINTACCS MTF implementation
	1988	Development of the Joint MTF Editor software completed; efforts to incorporate the combat service support message text formats initiated
Aug	1989	Critical Design Review for Joint Interoperability Evaluation System
May	1990	Completion of Joint Portable TADIL Tester
	1991	TADIL-J development certification testing started
	1995	TADIL-J interoperability testing and verification
Feb	1998	Scientific, engineering, logistic, administrative, and acquisition support ends
	2003	Project 5049 provides financial support for joint U.S. and allied JINTACCS working groups
	2004	Project 5049 continues JINTACCS interoperability certification testing
Oct	2005	Project 5049 (JINTACCS) to be eliminated

## Worldwide Distribution

The Joint Interoperability of Tactical Command and Control Systems (JINTACCS) is a **United States Department of Defense** research and development program.

## Forecast Rationale

The Joint Interoperability of Tactical Command and Control Systems (JINTACCS) program is a United States Department of Defense research and development effort administered by the U.S. Air Force. The JINTACCS program develops technology to standardize the messaging capabilities of future U.S. and allied tactical command, control, and communications systems.

some \$8.73 million in fiscal year 2005 on technology research for the JINTACCS program. In October 2005, the U.S. Department of Defense will eliminate the project that funds the JINTACCS program, but will continue doing some maintenance work tangential to JINTACCS; this work will be funded by other U.S. Department of Defense programs. That said, Forecast International will archive this report in June 2006.

As indicated by the **Ten-Year Outlook** chart, Forecast International projects the U.S. Air Force will spend

## Ten-Year Outlook

ESTIMATED CALENDAR YEAR FUNDING (\$ in millions)														
Designation	Application	Thru 04	High Confidence Level				Good Confidence Level			Speculative			Total 05-14	
			05	06	07	08	09	10	11	12	13	14		
JINTACCS	JOINT INTEROPERABILITY OF C <sup>2</sup> (U.S. DEPARTMENT OF DEFENSE)	1106.31	8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.73