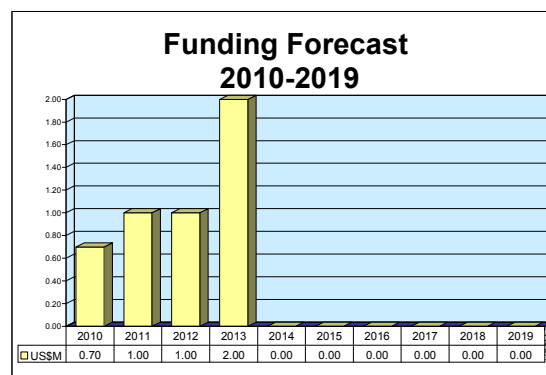


# Joint Network Management System (JNMS)

## Outlook

- The Joint Network Management System is operational, with ongoing research and development activities
- FI projects that the U.S. Army will spend about \$4.70 million over the next 10 years on network planning and software support services for the Joint Network Management System



## Orientation

**Description.** The Joint Network Management System is an automated software system that enables military warfighters to plan and manage the diverse array of information technologies and telecommunication systems throughout the joint battlespace. The U.S. Army JNMS program conducts ongoing research and development of the Joint Network Management System.

**Status.** The JNMS is operational, with ongoing research and development.

**Application.** Communications planning and management.

### Sponsor

U.S. Army  
Communications-Electronics Command  
Fort Monmouth, NJ, USA

## Contractors

### Prime

**Science Applications International Corp (SAIC)**

<http://www.saic.com>, 10260 Campus Point Dr, San Diego, CA 92121 United States,  
Tel: + 1 (858) 826-6000, Fax: + 1 (858) 826-6634, Prime (RDT&E)

Comprehensive information on Contractors can be found in Forecast International's "International Contractors" series. For a detailed description, go to [www.forecastinternational.com](http://www.forecastinternational.com) (see Products & Samples/Governments & Industries) or call + 1 (203) 426-0800.

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## Joint Network Management System (JNMS)

### Technical Data

The Joint Network Management System consists of commercial and government off-the-shelf software modules integrated in a flexible software architecture and hosted on a Corps of Engineers-compliant hardware platform.

The JNMS provides communication planners with a common set of tools to conduct war planning; detailed planning and engineering; monitoring; control and reconfiguration; and spectrum planning and

management. It offers security for the communications and data systems used to support a Joint Task Force (JTF).

The Joint Network Management System promotes force-level situational awareness, provides enhanced flexibility to support a commander's intent, improves management of scarce spectrum resources, and provides increased security of critical communications systems and networks.

### Program Review

In September 1999, the U.S. Army issued a market survey seeking potential sources for a new, automated software system to manage and plan joint command, control, communication, computer, and intelligence systems and operations. The Army would call this system the Joint Network Management System.

#### *U.S. Army Releases Requests for JNMS Proposals*

In October 2000, the U.S. Army released a Request for Proposals to develop and field the JNMS. Seven months later (May 2001), the U.S. Army awarded a team led by Science Applications International Corporation (SAIC) two major contracts to design, develop, and deliver the JNMS.

The U.S. Army funds the JNMS under PE#0604783A, Project 363. In FY03, Project 363 completed a Critical Design Review of the Joint Network Management System. In FY04, the project finished JNMS initial operational testing and evaluation (IOT&E).

#### *U.S. Army Fields JNMS*

In the fourth quarter of FY05, Project 363 successfully conducted a limited user test of the JNMS. Project 363

fielded the Joint Network Management System in the second quarter of FY06.

According to United States Army FY09 and FY10 RDT&E budget documents, JNMS software Build 2.0 was "scheduled" to be issued in two incremental releases (1.4/1.5) to expedite the fielding of JNMS software "to enable the field to utilize the additional capabilities sooner." Functional enhancements were added to builds 1.4 and 1.5 to meet U.S. Pentagon requirements.

In FY09, Project 363 worked on system design, software integration, and functional qualification testing for JNMS software release 1.5.

In August 2008, Science Applications International Corporation received a contract from the U.S. Army to provide network planning and software support services for the JNMS. According to SAIC, this contract has a one-year base period of performance, two one-year options, and a total contract value of more than \$24 million if all options are exercised. Look for work under this contract to continue in 2011.

### Funding

#### U.S. FUNDING

	FY09 <u>QTY</u>	FY09 <u>AMT</u>	FY10 <u>QTY</u>	FY10 <u>AMT</u>	FY11 <u>QTY</u>	FY11 <u>AMT</u>
<b>RDT&amp;E (U.S. Army)</b>						
PE#0604783A						
Project 363	-	0.67	-	0.00	-	0.00

## Joint Network Management System (JNMS)

	FY12 <u>QTY</u>	FY12 <u>AMT</u>	FY13 <u>QTY</u>	FY13 <u>AMT</u>	FY14 <u>QTY</u>	FY14 <u>AMT</u>	FY15 <u>QTY</u>	FY15 <u>AMT</u>
<b>RDT&amp;E (U.S. Army)</b>								
PE#0604783A								
Project 363	-	0.00	-	0.00	-	0.00	-	0.00

All \$ are in millions.

Source: U.S. Department of the Army FY11 RDT&E budget document

## Contracts/Orders & Options

<u>Contractor</u>	<u>Award (\$ millions)</u>	<u>Date/Description</u>
Science Applications International Corporation	8.6	May 2001 – Contract for R&D of the Joint Network Management System. Work was to be completed by Oct 2008. The U.S. Army Communications-Electronics Command, Fort Monmouth, NJ, is the contracting agency. (DAAB07-01-C-F404)
Science Applications International Corporation	15.3	May 2001 – Contract for technical support services, including training courses, fielding support, support for government-conducted testing, post-deployment software support, and maintenance support, and for replenishment spares for JNMS hardware suites. Work was to be completed by Oct 2008. The U.S. Army Communications-Electronics Command, Fort Monmouth, NJ, is the contracting agency. (DAAB07-01-D-F405)
Science Applications International Corporation	6.08	Aug 2008 – SAIC receives a time and materials contract for post-deployment/post-production software support and fielding, training, logistics, documentation, engineering, and technical support services for the JNMS. Work was scheduled to be completed by Aug 2009. CECOM Acquisition Center, Fort Monmouth, NJ, is the contracting agency. (W91QUZ-06-D-0016)

## Timetable

<u>Month</u>	<u>Year</u>	<u>Major Development</u>
Sep	1999	U.S. Army issues a market survey seeking potential sources for the JNMS
Oct	2000	U.S. Army releases a Request for Proposals to develop and field the JNMS
May	2001	U.S. Army awards two contracts to a team led by SAIC to design, develop, and deliver the JNMS
	FY02	Project 363 begins IOT&E of JNMS
	FY03	Project 363 completes JNMS Critical Design Review
	FY04	Project 363 completes IOT&E of JNMS
	2005	U.S. Army awards SAIC a contract modification for its work on the JNMS
	FY06	Project 363 fields the JNMS
	FY07	Project 363 works on developing JNMS software Build 1.4
	FY08-	Project 363 works on developing JNMS software Build 1.5
	FY09	
	2011	SAIC to provide network planning and software support services for JNMS

## Worldwide Distribution/Inventories

The Joint Network Management System is a **United States** Department of Defense program.

## Joint Network Management System (JNMS)

### Forecast Rationale

The Joint Network Management System is an automated software system that enables military warfighters to plan and manage the diverse array of information technologies and telecommunication systems throughout the joint battlespace. The U.S. Army JNMS program conducts ongoing research and development of the Joint Network Management System.

Forecast International projects that the United States Army will spend some \$4.70 million over the forecast period on ongoing development, network planning, and software support services for the JNMS.

The U.S. Army states the JNMS is an automated software system that provides U.S. military communication planners with a common set of tools to conduct high-level planning (war planning), battlespace monitoring, spectrum planning and management, and security of communications and data systems used to support a Joint Task Force. The JNMS consists of commercial and government off-the-shelf software modules.

### Ten-Year Outlook

ESTIMATED CALENDAR YEAR RDT&E FUNDING (in millions US\$)												
Designation or Program		High Confidence				Good Confidence			Speculative			
	Thru 2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
Science Applications International Corp (SAIC)												
JOINT NETWORK MANAGEMENT SYSTEM Military <> United States <> Army												
	229.50	.70	1.00	1.00	2.00	.00	.00	.00	.00	.00	.00	4.70
<b>Total</b>	229.50	.70	1.00	1.00	2.00	.00	.00	.00	.00	.00	.00	4.70