

# Joint Tactical Radio System Airborne and Maritime/ Fixed Station (JTRS AMF)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### MISSION

Provides scalable and modular networked radio frequency-installed communication capability to meet Joint service requirements through two Joint tactical radio sets with common ancillary equipment for both radio form factors and aircraft, as well as maritime and shore sites.

### DESCRIPTION

The Joint Tactical Radio System Airborne and Maritime/Fixed Station (JTRS AMF) will provide a four-channel, full duplex, software-defined radio integrated into airborne, shipboard, and fixed-station platforms, enabling maritime and airborne forces to communicate seamlessly and with greater efficiency through implementation of five initial waveforms (i.e., Ultra-High Frequency Satellite Communications, Mobile User Objective System, Wideband Network Waveform, Soldier Radio Waveform, and Link 16) providing data, voice, and networking capabilities. JTRS AMF is software-reprogrammable, multi-band/multi-mode capable, mobile ad-hoc network capable, and provides

simultaneous voice, data, and video communications. The system is flexible enough to provide point-to-point and netted voice and data, whether it is between Service Command Centers, Shipboard Command Centers, Joint Operations Centers or other functional centers (e.g., intelligence, logistics).

AMF will assist U.S. Armed Forces in the conduct of prompt, sustained, and synchronized operations, allowing warfighters the freedom to achieve information dominance in all domains—land, sea, air, and space.

### SYSTEM INTERDEPENDENCIES

#### In this Publication

Joint Tactical Radio System Ground Mobile Radios (JTRS GMR); Joint Tactical Radio System Handheld, Manpack, Small Form Fit (JTRS HMS); Joint Tactical Radio System, Network Enterprise Domain (JTRS NED)

#### Other Major Interdependencies

Multiple aircraft, maritime, and fixed site platforms

### PROGRAM STATUS

- **1QFY10:** Critical design review

### PROJECTED ACTIVITIES

- **2QFY11:** Delivery begins for AMF Small Airborne engineering development models (EDM)
- **1QFY12:** Delivery begins for M/F EDM

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

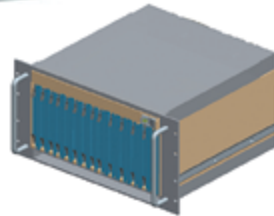
**Joint Tactical Radio System  
Airborne and Maritime/Fixed Station  
(JTRS AMF)**

**Airborne and Maritime/Fixed Station**

*Increment 1 JTR Sets*



**Small Airborne (SA)**



**Maritime / Fixed Station (M/F)**



**FOREIGN MILITARY SALES**

None

**CONTRACTORS**

**Prime:**

Lockheed Martin (San Diego, CA;  
Alexandria, VA)

**Subcontractors:**

BAE Systems (Wayne, NJ)  
Northrop Grumman (San Diego, CA)  
General Dynamics C4 Systems, Inc.  
(Scottsdale, AZ)  
Raytheon (Fort Wayne, IN)

