

# 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, multiband/multimode capable, mobile ad-hoc network capable, and it 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

### Other Major Interdependencies

Multiple aircraft, maritime, and fixed site platforms

## PROGRAM STATUS

- **2QFY11:** Delivery of AMF Small Airborne (SA) Engineering Development Models (EDM) for Apache Integration

## PROJECTED ACTIVITIES

- **2QFY12:** Link-16 Waveform (WF) available for platform integration
- **1QFY13:** Milestone C
- **2QFY13:** SA Limited Rate Initial Production (LRIP) delivery

- **4QFY13:** SRW/WNW WF available for platform integration

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

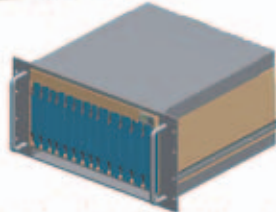
**Joint Tactical Radio System  
Airborne and Maritime/Fixed Station  
(JTRS AMF)**

**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 (Ft. Wayne, IN)

