

Joint Tactical Radio System Ground Mobile Radios (JTRS GMR)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To provide mobile internet-like capability and interoperability with Current Force radios through simultaneous and secure voice, data, and video communications supporting battle command, sensor-to-shooter, sustainment, and survivability applications in full-spectrum operations on vehicular platforms.

DESCRIPTION

Through software reconfiguration, the Joint Tactical Radio System Ground Mobile Radios (JTRS GMR) can emulate Current Force radios and operate new internet protocol-based networking waveforms offering increased data throughput utilizing self-forming, self-healing, and managed communication networks. The GMR route and retransmit functionality links various waveforms in different frequency bands to form one inter-network. GMR can scale from one to four channels supporting multiple security levels and effectively use the frequency spectrum within the 2 megahertz to 26 hertz band.

SYSTEM INTERDEPENDENCIES

Army modernization efforts, Abrams, HMMWV, Bradley, Command Post System Carrier, JTRS Network Enterprise Domain (NED) products and services, WIN-T

PROGRAM STATUS

- **2QFY09:** EDM radio deliveries begins; Test readiness review
- **3QFY09:** EDM production and deliveries complete; production qualification test begins, security verification tests begin

PROJECTED ACTIVITIES

- **3QFY10:** System integration test begins; security verification test concludes; production qualification test concludes; NSA approval to enter limited user test
- **1QFY11:** Limited user test concludes
- **2QFY11:** Milestone C decision approving entry into the production and deployment phase

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Joint Tactical Radio System Ground Mobile Radios (JTRS GMR)

FOREIGN MILITARY SALES

None

CONTRACTORS

Boeing (Huntington Beach, CA)
 BAE Systems (Wayne, NJ)
 Northrop Grumman (San Diego, CA)
 Rockwell Collins (Cedar Rapids, IA)

