Joint Tactical Radio System Ground Mobile Radios (JTRS GMR)

MISSION
Develops, demonstrates, certifies, fields, and sustains an affordable, multi-channel networking radio system that meets DoD ground vehicle digitization and tactical communication requirements.

DESCRIPTION
Joint Tactical Radio System Ground Mobile Radios (JTRS GMR) are a key enabler of the DoD and Army Transformation and will provide critical communications capabilities across the full spectrum of Joint operations.

Through software reconfiguration, JTRS GMR can emulate current force radios and operate new Internet Protocol-based networking waveforms offering increased data throughput by 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 internetwork. GMR can scale from one to four channels supporting multiple security levels, and effectively use the frequency spectrum within the two megahertz to two gigahertz frequency range. The radios are Software Communications Architecture compliant with increased bandwidth through future waveforms. GMR are interoperable with more than four legacy radio systems and the JTRS family of radios.

SYSTEM INTERDEPENDENCIES
In this Publication
None

Other Major Interdependencies
Enhanced Position Locating Reporting System (EPLRS), High Frequency (HF), Satellite Communications (SATCOM), Soldier Radio Waveform (SRW), Ultra-High Frequency (UHF), Wideband Networking Waveform (WNW)

PROGRAM STATUS
• 1QFY12: Under Secretary of Defense for Acquisition Technology and Logistics cancelled GMR and directed smart closeout of the GMR Engineering, Manufacturing, and Development (EMD) contract, and use of artifacts for a follow-on new start program
• 2QFY12: National Security Agency Certified GMR
• 2QFY12: GMR EMD contract closed out
• 4QFY12: Initiated new start program referred to as Mid-Tier Networking Vehicular Radio (MNVR)

PROJECTED ACTIVITIES
To be determined
Joint Tactical Radio System Ground Mobile Radios (JTRS GMR)

FOREIGN MILITARY SALES
None

CONTRACTORS*
Prime: Boeing (Huntington Beach, CA)
Hardware: BAE Systems (Wayne, NJ)
Rockwell Collins (Cedar Rapids, IA)
Northrop Grumman (Carson, CA)

*Contractors listed above are through 2QFY12.