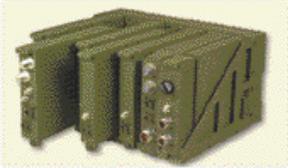


➤ Joint Tactical Radio System (JTRS)

DESCRIPTION

JTRS is a family of joint multi-channel/multi-mode, software-defined, reprogrammable tactical radio systems. It provides high-capacity line-of-sight and beyond line-of-sight (BLOS) plain and secure voice, data, and video communications. Operating in frequency bands from 2 MHz to 2 GHz, JTRS also provides network connectivity across the radio frequency spectrum and supports tactical digital information exchanges. Ground domain variants will provide vehicle, man-portable, and hand-held radios.



provide insufficient data throughput to support the exchange of command-and-control and fire support data. In addition, the multi-band, multi-mode radios will allow for more flexible employment of forces and allow for exchange of information. Fielding will begin by replacing HF vehicular radio systems that are beyond their supportable life cycle and equipping command-and-control platforms that require multiple-channel, multi-mode radios (AAAV, UOC, LAV-C2). This will provide increased data capability while preserving the BLOS communications capabilities required by all command-and-control elements. Eventually all legacy tactical radio systems (e.g. SINGARS family of radios, EPLRS) will be replaced.

OPERATIONAL IMPACT

JTRS will provide a wideband networking waveform to support the communication requirements of every element of the MAGTF. It will replace current radio systems, which

PROGRAM STATUS

JTRS entered the system development and demonstration phase in mid-2002 with Cluster 1 (ground vehicular radios) and joint waveform development programs.

PROCUREMENT PROFILE: FY03 FY04

Quantity: 0 various

DEVELOPER/MANUFACTURER

Cluster 1 (Ground Vehicular/RW) Prime: Boeing, Anaheim, CA

Major Subs:

Systems Engineering: TRW, Seattle, WA

HW: Rockwell Collins, Cedar Rapids, IA

HW: BAE, Wayne, NJ

HW: Harris, Rochester, NY