

JOINT TACTICAL RADIO SYSTEM

DESCRIPTION

The Joint Tactical Radio System (JTRS) is a family of joint, multi-channel, multi-mode, reprogrammable radio systems. JTRS provides high-capacity, line-of-sight and beyond- line-of-sight plain and secure voice, data, and video while operating in frequency bands from 2 MHz to 2 GHz. The system ensures network connectivity across the radio-frequency spectrum and supports tactical digital information exchanges. JTRS includes the Wideband Networking Waveform (WNW) that supports communication requirements not achievable with today's systems. Ground versions of JTRS will include vehicle, man-portable, and hand-held radios.

OPERATIONAL IMPACT

Current radio systems provide insufficient data throughput to support exchange of command-and-control and fire-support data. JTRS will provide a wideband networking waveform to support the communication requirements of the warfighter not achievable today. In addition, JTRS multi-band, multi-mode radios will allow for more flexible employment of forces and exchange of information.

PROGRAM STATUS

JTRS Cluster 1 (ground vehicular radios) and Joint Waveform (Wf) entered the System Development and Demonstration (SDD) phase (Milestone B) after a June 2002 approval by the Undersecretary of Defense for Acquisition, Technology, and Logistics. Cluster 1 approval included the award of the SDD contract and low-rate initial production options for up to 10,641 radios. The Joint Wf Development Program approval included permission for the award of development contracts for waveforms and cryptographic algorithms.



PROCUREMENT PROFILE:

Quantity:

FY 04

10

FY 05

15

(Early development models)

DEVELOPER/MANUFACTURER

Cluster 1 (Ground Vehicular/RW)

Prime: Boeing, Anaheim, CA

Major Subcontractors:

System Engineering: TRW, Seattle, WA

Hardware: Rockwell Collins, Cedar Rapids, IA

Hardware: BAE, Wayne, NJ

Hardware: Harris, Rochester, NY