Joint Tactical Radio System (JTRS) Cluster 1

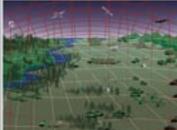
Improves soldier communication and situational awareness with simultaneous voice, data, and video communications to increase interoperability, flexibility, and adaptability in support of varied mission requirements.





software waveforms.

Vehicle.



DESCRIPTION AND SPECIFICATIONS

The Joint Tactical Radio System (JTRS) Cluster 1 is a software-reprogrammable, multi-band/multimode capable, networkable system that provides a materiel solution for the JTRS operational requirements document-mandated, multi-channel, software communications architecture (SCA)compliant hardware system hosting SCA-compliant

JTRS Cluster 1 will be interoperable with specified current tactical radios, permitting an orderly and cost-effective transition from current systems to the multifunctional JTRS. JTRS Cluster 1 is slated for fielding to select rotary-wing aviation platforms, Future Combat Systems, Stryker Brigade Combat Teams, Tactical Operations Centers, Army Airborne Command and Control System, and Special Operations Forces. Additionally, Cluster 1 will be used by the Air Force Tactical Air Control Party and the Marine Corps Advanced Amphibious Assault

Weight: To be determined

PROGRAM STATUS

- **3QFY03** Software preliminary design review.
- **4QFY03** Critical design review.
- **4QFY03** B-kit specifications delivery.
- **2QFY04** Aviation form fit model delivery.
- **10FY05** Prototype delivery.
- 10FY05 Test readiness review.
- **1QFY05** Contractor development testing.

PROJECTED ACTIVITIES

• PLEASE PROVIDE PROJECTED ACTIVITIES



CONTRACTORS

Prime/System Integration: Boeing (Anaheim, CA) Hardware Design (Ground): BAE Systems North America (Wayne, NJ) Hardware Design (Air): Rockwell Collins (Cedar Rapids, IA) Network Management/Logistics: Northrop Grumman (Carson, CA) Software Development: Raytheon (Ft Wayne, IN)

Modernization

• System Development and Demonstration