

Movement Tracking System (MTS)

Provides the Logistics Command with two-way text messaging and position reporting to track and communicate with its mobile assets in real time.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MTS on HEMMT

Description & Specifications

The Movement Tracking System (MTS) is a two-way, mobile, wireless satellite system for tracking vehicles and communicating on and off the road during war or peacetime. Messages are transmitted via commercial satellites in near real-time, and vehicle locations are displayed on computers with National Geospatial-Intelligence Agency (NGA) maps. All messages are encrypted end-to-end, including sender and recipient addresses. MTS operates over a variety of geostationary satellites and is designed to transition automatically from one system to another, as required.

MTS comes in two configurations, the V2 mobile unit for vehicle mounting, and the control station configuration for command center operations. Both use the Comtech MT-20 transceiver for sending and receiving messages and position reports. The MT-2011 is a compact, all solid-state device with no moving parts with proven durability. A ruggedized, compact computer is delivered with the vehicle-mount

configuration; the control stations use laptops with larger screens for observing mobile units more effectively.

MTS will provide road vehicles as well as watercraft visibility wherever they are deployed. All common user logistic transport (CULT) vehicles, selected combat support (CS), and combat service support (CSS) tactical wheeled vehicles, and watercraft will be fitted with MTS mobile units. A portable MTS unit may be made available to a host nation or foreign national force contributing to a combined operation.

Program Status

- **3QFY06:** Support deployed units in Middle Eastern Theater of Operations; fielding of selected National Guard (NG) brigades
- **4QFY06:** Completed fielding to NG units supporting Homeland Security (Phase I – Hurricane States)
- **1QFY07:** Completed fielding to NG units supporting Homeland Security (Phase II – Northeastern States); completed fielding of 173nd Airborne Brigade (BDE) and 12th Combat Aviation BDE

- **2QFY07:** Completed fielding to U.S. Forces, Korea, and 82nd Airborne

Projected Activities

- **3QFY07:** Perform form fit checks on LCU 2000 landing craft, LT-128 tug boats, and logistics support vessels (LSV) for TACOM; perform product integration test of MESH technology at MTS test lab
- **4QFY07:** Begin MTS fielding to watercraft vessels in Kuwait and Europe
- **1QFY08:** Continue software development for MTS-ES
- **2QFY08:** Begin testing MTS-ES software
- **3QFY08:** Continue testing MTS-ES software
- **4QFY08:** Field MTS-ES software

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Movement Tracking System (MTS)**FOREIGN MILITARY SALES**

None

CONTRACTORS**System integrator:**COMTECH Mobile Datacom
(Germantown, MD)**Software development:**Northrop Grumman (Redondo Beach, CA)
Force XXI Battle Command Brigade and
Below (FBCB2) (Ft. Monmouth, NJ)