

# Movement Tracking System (MTS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

Tracks the location of vehicles and logistics assets, communicates with vehicle operators, and redirects missions on a worldwide, near real-time basis during peacetime operations and war.

## DESCRIPTION

The Movement Tracking System (MTS) is a low-cost solution designed for the Army and its vehicle operators for tracking vehicles and communicating while on and off the road. MTS is a mobile satellite two-way messaging system that is totally wireless, from the MTS-equipped vehicles to the control station. The mobile unit configuration of the system is mounted on a unit's vehicles, while the control station configuration, in a fixed location, monitors vehicle locations. Both configurations use the same basic communications software and

hardware, although the control station uses a computer with a larger display and faster processor. Communication between the two is provided by a commercial satellite vendor that enables units to send and receive traffic over the horizon, anytime, anywhere.

MTS worldwide satellite-based communications coverage allows the transportation coordinator to communicate with the driver of any truck, regardless of location, without having to put up antennas or involve more Soldiers. MTS has been adapted to incorporate radio frequency technology and an upgraded military global positioning system capability, using multiple satellites. The system is currently providing in-transit visibility for near-real-time mission redirects of combat service support vehicles supporting the objective force on the digitized battlefield.

MTS supports vehicle movement and redirection based on fluid changes in battlefield tempo and enemy positions. The system will provide vehicles and watercraft visibility wherever they may be deployed throughout the

world. Objectively, all common user logistic transport vehicles, selected combat support and combat service support tactical wheeled vehicles, and watercraft will be fitted with MTS mobile units. MTS will provide watercraft transportation unit commanders with the capability to track and communicate with assets employed across the spectrum of operations such as established ports, logistics over-the-shore, intra-coastal, inland waterways, and amphibious operations.

When employed within the distribution system, MTS will improve the effectiveness and efficiency of limited-distribution assets, provide the ability to reroute supplies to higher priority needs, enable the avoidance of identified hazards, and inform operators of unit location changes. In addition, planned enhancements of MTS (referred to as Block II MTS enhancements) such as MTS's interface with embedded equipment diagnostic and prognostic systems, will provide accurate data that will aid fleet maintenance and improve availability and overall service life. MTS provides

the capability to link ground level operators conducting missions and commanders/managers that plan, direct, and control operations.

## SYSTEM INTERDEPENDENCIES

None

## PROGRAM STATUS

- **4QFY08:** Continued software development for MTS-Enhanced Software (ES)
- **1QFY09:** Conducted testing of new software upgrades
- **2QFY09:** Develop MTS follow-on procurement strategies
- **2QFY09:** Begin testing MTS-ES software
- **3QFY09:** Continue testing MTS-ES software

## PROJECTED ACTIVITIES

- **1QFY11:** Field MTS-ES software
- **1QFY11:** MTS follow-on procurement
- **1QFY12:** Transition to Joint Battle Command Platform

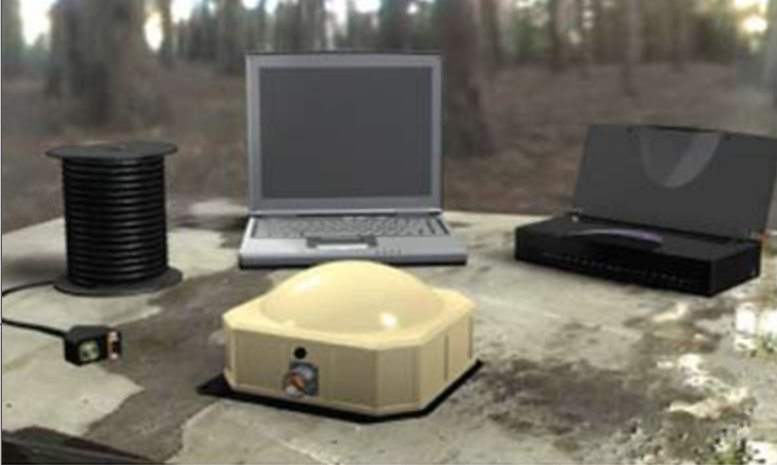
## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support



Transceiver  
(MT 2012-RS)  
Step 1



Ruggedized Laptop  
Step 2

## Movement Tracking System (MTS)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### System integrator:

COMTECH Mobile Datacom  
(Germantown, MD)

#### Software development:

Northrop Grumman (Redondo Beach, CA)  
via Force XXI Battle Command  
Brigade and Below (FBCB2) contract  
(Fort Monmouth, NJ)

