

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, operations other than war (natural disasters, homeland security, expeditionary missions), and war.

DESCRIPTION

The Movement Tracking System (MTS) is the keystone to bringing logistics into the digitized battlefield of the 21st century. The system provides the technology necessary to communicate with and track tactical wheeled vehicles (TWV) and other select Combat Support (CS)/Combat Service Support (CSS) assets and cargo in near real-time, enabling safe and timely completion of distribution missions.

MTS is a non-developmental item (NDI) integrated system consisting of a vehicle mounted mobile unit and a control station. It is used to support missions through the full spectrum of military operations. Through the use of Global Positioning System (GPS), Radio Frequency Identification (RFID), and non-line-of-sight communications and mapping technologies, MTS provides the means for logistics commanders, transportation movement control, and CS/CSS operations sections to exercise assured positive control of assets anywhere in the world through the use of positioning and commercial satellites. Communications between MTS-equipped platforms and their control stations is conducted via text and pre-formatted messages and utilizes commercial satellites that enable units to send and receive traffic over the horizon, anytime, anywhere.

MTS plays a vital role in battlefield distribution operations. It helps to ensure that commanders and logisticians have the right information at the right time. It provides near-real-time data for In-Transit Visibility (ITV) and

velocity management of logistics and other Army Combat Support assets, from the sustaining base to the theater of operations. MTS facilitates the rapid movement of supplies through a streamlined distribution system, bypassing routine warehouse/storage functions from the source to the combatant.

Common user logistic transport vehicles and CS/CSS units in the Active and Reserve Components and National Guard will be fitted with MTS systems according to the Army Acquisition Objective or “Good Enough” policy for system distribution. When employed within the distribution system, MTS improves the effectiveness and efficiency of limited distribution assets, provides the ability to identify and reroute supplies to higher priority needs, avoids identified hazards, and informs operators of unit location changes.

Planned enhancements for MTS include embedded equipment diagnostic and prognostic capabilities and two-way situational awareness with maneuver units (Blue Force Tracking).

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

PM Joint-Automatic Identification Technology (PM J-AIT) In-Transit Visibility (ITV), PD Battle Command Sustainment Support System (BCS3)

PROGRAM STATUS

- **2QFY10:** Began fielding v5.16 software
- **4QFY10:** Continued developing and testing MTS-ES (Enhanced Software)
- **4QFY10:** Began fielding ISO 18000-7 upgrade (RFID read capability)
- **2QFY11:** MTS follow-on procurement cancelled indefinitely
- **3QFY11:** Transitioned management of program from PEO EIS to PEO C3T

PROJECTED ACTIVITIES

- **2QFY12:** Field Joint Capabilities Release-Logistics (JCR-Log) software (previously called MTS-ES)
- **1QFY14:** Transition to Joint Battle Command-Platform (Logistics) [JBC-P (Log)] software and BFT-2 transceiver

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Movement Tracking System (MTS)

FOREIGN MILITARY SALES

None

CONTRACTORS

System Hardware (Military Ruggedized Tablets):

DRS Technologies (Melbourne, FL)

System Hardware (transceivers):

Comtech Mobile Datacom Corporation (CMDC) (Germantown, MD)

Field Service Support:

Engineering Solutions and Products Inc. (ESP) (Eatontown, NJ)

Software v5.16:

Comtech Mobile Datacom Corporation (CMDC) (Germantown, MD)

Software JCR-Log:

Northrop Grumman (Redondo Beach, CA)

