

Heavy Expanded Mobility Tactical Truck (HEMTT)/ HEMTT-Recapitalization (RECAP)

Supports combat units by performing line and local haul, unit resupply, helicopter and tactical vehicle refueling, and related missions in a tactical environment.



DESCRIPTION AND SPECIFICATIONS

The rapidly deployable Heavy Expanded Mobility Tactical Truck (HEMTT), developed for cross-country military missions, transports ammunition, petroleum, oils and lubricants to currently equipped, digitized, and transformation-force units (brigade/battalion areas of operation). HEMTT is a prime mover for certain missile systems such as the PATRIOT, and operates in any climate where military operations occur. HEMTT comes in six basic configurations:

- M977 cargo truck
- M985 cargo truck with materiel-handling is the ammunition transport prime mover for the Multiple-Launch Rocket System (MLRS)
- M978 is a 2,500-gallon fuel tanker
- M983 tractor
- M984 wrecker is a recovery vehicle for other vehicle systems
- M1120 load-handling system (LHS) transports palletized materiel and International Standards Organization (ISO) containers

A self-recovery winch is also available on all models.

LHS is the newest variant with an integrated system that provides self-load and unload capability. LHS provides the soldier with an efficient and economic system with capabilities similar to that of the Palletized Load System (PLS) and is a major enabler in the Army's drive to achieve a distribution-based logistics system.

The HEMTT extended service program (ESP) recapitalizes old and high-mileage HEMTT trucks to 0 Miles/0 Hours and to the current A2 production configuration. The trucks are disassembled and rebuilt with technology insertions and improvements, such as electronically controlled engine, electronic transmission, air ride seats, four-point seatbelts, bolt-together wheels, increased corrosion protection and enhanced electrical

package. The completed recap truck is configured the same as a new production vehicle, complete with a new vehicle warranty.

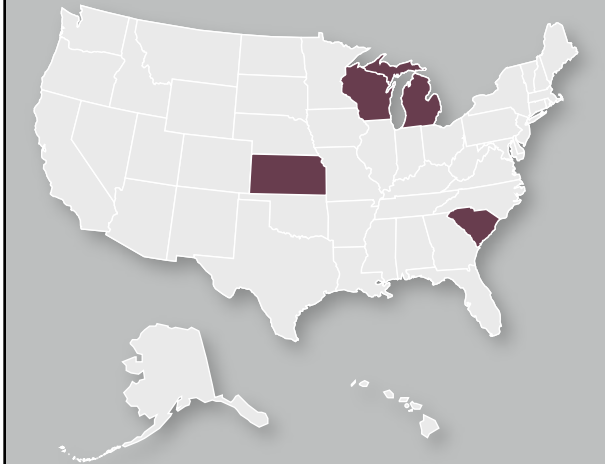
- Truck payload:** 11 tons
- Trailer payload:** 11 tons
- Flatrack dimensions:** 8-foot-by-20 foot (ISO container standard)
- Engine type:** Diesel
- Transmission:** Automatic
- Number of driven wheels:** 8
- Range:** 300 miles
- Air transportability:** C-130, C-17, C-5

PROGRAM STATUS

- **FY04** HEMTT A2 fieldings to 3-43 ADA (PATRIOT) Fort Bliss; 1-117 FA Battalion; 1-111 FA Battalion; 4ID and III Corps
- **1QFY05** Award contract for the A2 Block Mod, which will incorporate the following technologies into the HEMTT/HEMTT ESP: Air ride suspension, electrical redesign, powertrain upgrade, traction control, ABS and climate control. FY05 HEMTT A3 diesel electric drive vehicle chassis prototype produced and operational to support further drive algorithm development and motion programming for the enhanced load handling system to accommodate load and unload direct from C-130 aircraft.
- **FY05** HEMTT A2 fieldings to 101st AASLT DIV, Ft. Campbell, KY; 10th MTN DIV, Ft. Drum, NY; several Guard and Reserve units; 4SBCT, Ft. Lewis, WA; APS-4 (Korea); ARF-4 (Saipan/Guam)

PROJECTED ACTIVITIES

- **FY06** HEMTT A3 production vehicle testing and capability evaluation
- **2QFY07** HEMTT A3 fieldings



CONTRACTORS

Oshkosh Truck (Oshkosh, WI)
Detroit Diesel (Emporia, KS; Redford, MI)
Michelin (Greenville, SC)

INVESTMENT COMPONENT

Recapitalization

ACQUISITION PHASE

- Production and Deployment