

Heavy Expanded Mobility Tactical Truck (HEMTT)/ HEMTT Extended Service Program (ESP)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

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

DESCRIPTION

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 brigade/battalion areas of operation.

The HEMTT A4 model began fielding in December 2008. Enhancements include air-ride suspension, a new Caterpillar C-15 engine, the Allison 4500 transmission, anti-lock braking system and traction control, J-1939 data-bus, a larger common cab, which is common with the Palletized Load System (PLS) A1, and Long Term Armor Strategy (LTAS)-compliant.

The HEMTT ESP, also known as HEMTT RECAP, is a recapitalization program that converts high-mileage HEMTT trucks to 0 Miles/0 Hours and to the current A4 production configuration. The trucks are disassembled and rebuilt with improved technology found in the HEMTT A4.

HEMTT comes in six basic configurations:

- **M977:** Cargo truck with light materiel handling crane
- **M985:** Cargo truck with materiel-handling crane
- **M978:** 2,500-gallon fuel Tanker
- **M983:** Tractor
- **M984:** Wrecker
- **M1120:** Load-Handling System (LHS) transports palletized materiel and ISO containers

Truck payload: 11 tons

Trailer payload: 11 tons

Flatrack dimensions: 8-foot-by-20-foot (International Standards Organization (ISO) container standard)

Engine type: Diesel

Transmission: Automatic

Number of driven wheels: 8

Range: 300 miles

Air transportability: C-130, C-17, C-5

SYSTEM INTERDEPENDENCIES

M983 HEMTT tractor Light Equipment Transporter (LET), M1977 HEMTT Common Bridge Transporter, M18 Dry Support Bridge, and the Theatre High Altitude Area Defense Missile System (THAAD); M984A2 and M984A4 Tractors with Fifth Wheel Towing Device and High Mobility Recovery Trailer are designated Stryker and MRAP Interim Recovery Systems

PROGRAM STATUS

- **1QFY09:** HEMTT A4 Family of Vehicles was type classified standard and full materiel released (TC/MR), also received TC/MR and is being fielded to Multi-Role Bridging Company's (MRBC)

PROJECTED ACTIVITIES

- **FY10:** Distribute HEMTT A4s to next deployers in accordance with HQDA G8 distribution plan

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Heavy Expanded Mobility Tactical Truck (HEMTT)/HEMTT Extended Service Program (ESP)

FOREIGN MILITARY SALES

Turkey, Israel, and Jordan

CONTRACTORS

Oshkosh Truck Corp. (Oshkosh, WI;
Killeen, TX)
Caterpillar (Peoria, IL)
Allison Transmissions (Indianapolis, IN)
Michelin (Greenville, SC)

