

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

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

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

Description & 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 brigade/battalion areas of operation. HEMTT is a prime mover for missile systems such as the PATRIOT and operates in any climate. A self-recovery winch is on all models.

The HEMTT A4 model is planned for fielding in October 2007. It will include air-ride suspension, a new C-15 engine, the Allison 4500 transmission, J-1939 data-bus, and a Palletized Load System (PLS)-size cab that will be common with the PLS A1 and Long Term Armor Strategy (LTAS)-compliant.

The HEMTT ESP is a recapitalization program that converts high-mileage HEMTT trucks to 0 Miles/0 Hours and to the current A2 and A4 (in FY08) production configurations. The

trucks are disassembled and rebuilt with improved technology such as electronically controlled engine, electronic transmission, air ride seats, four-point seatbelts, bolt-together wheels, increased corrosion protection, enhanced electrical package, and air-ride suspension on the A4.

Program Status

- **Current:** Fielded to 82nd Airborne; 3rd Infantry Division (ID); 1-1st Air Defense Artillery (ADA) Battalion (BN) (Patriot); 3-2 ADA BN (Patriot); several National Guard units
- **FY06:** HEMTT A4 development and testing; HEMTT A4 Production Verification Testing (PVT) at Aberdeen Test Center (ATC); HEMTT A4 vehicles used for LTAS
- **FY06:** HEMTT A3: Second prototype vehicle produced and tested at Oshkosh Truck Corp.; shakedown testing at Nevada Automotive Test Center (NATC); Platform System Demonstration (PSD) at ATC; C-130

direct off-load ability demonstrated at Oshkosh; Evaluation Vehicle (EV) in production

Projected Activities

- **FY07:** New contract award
- **FY07:** Projected fieldings: 75th Fires Brigade (BDE); 214th Fires BDE; 278th Armored Cavalry Regiment (ACR); 116th Armor BDE, ID; 256th AR BDE; 101st AASLT Aviation BDE; 10th Mountain Division, 4th ID, 2nd ID; National Guard units
- **FY07:** HEMTT A3. EV completed; performance testing (Oshkosh); shakedown test at ATC
- **FY07:** HEMTT A3. EV completed; performance testing (Oshkosh); shakedown test at ATC
- **3QFY07:** HEMTT A4 logistics demonstration and verification of technical manuals
- **4QFY07:** HEMTT A2 Light Equipment Transporter (LET) available
- **1QFY08:** HEMTT A4 Type classification/materiel release

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

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

FOREIGN MILITARY SALES

Turkey, Israel, and Jordan

CONTRACTORS

Oshkosh Truck Corp. (Oshkosh, WI)
 Detroit Diesel (Emporia, KS; Redford, MI)
 Allison Transmissions (Indianapolis, IN)
 Michelin (Greenville, SC)



HEMTT comes in six basic configurations:

- M977 cargo truck with light materiel handling crane
- 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

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

