

High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) Family of Vehicles

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides a light, tactical, wheeled vehicle for command and control, troop transport, shelter carrier, ambulance, towed-weapons prime mover, and weapons platforms throughout all of the battlefield or mission areas.

DESCRIPTION

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is a lightweight, highly mobile, high performance, diesel-powered, four-wheel drive, air transportable and air droppable family of tactical vehicles that satisfy Army, Marine Corps, Navy and Air Force requirements. It can be reconfigured as a troop carrier, armament carrier, shelter carrier, ambulance, tube-launched, optically tracked, wire-guided (TOW) missile carrier, and scout vehicle.

The HMMWV has incorporated technological upgrades; higher payload capacity; radial tires; EPA emissions updates; commercial bucket seats; three-point seat belts and other safety enhancements.

The HMMWV A2 configuration incorporates a four-speed, electronic transmission, a 6.5-liter diesel engine, and improvements in transportability. It serves as a platform for other Army systems such as the Ground-Based Common Sensor. The heavy variant has a payload of 4,870 pounds and is the prime mover for the light howitzer and heavier shelters. The expanded capacity vehicle (ECV) armament carrier has a payload capacity of 3,900 pounds, including crew and kits. The ECV chassis serves as a platform for mission payloads and for systems that exceed 4,400 pounds and is used for the M1114 Up-Armored HMMWV.

The Up-Armored HMMWV was developed to provide increased ballistic and blast protection, primarily for military police, special operations, and contingency force use. The current production variants—M1151A1 Armament Carrier, the M1152A1 (2-door variant) Troop/Cargo/Shelter Carrier, the M1165A1 (4-door variant) Command and Control Carrier and the M1167 TOW Carrier—are built on an ECV chassis, providing additional

carrying capacity for an integrated armor package (A-Kit) and the capability to accept add-on-armor kits (B-Kits). The M1151A1 is currently fielded with a gunner's protection kit. The HMMWV recapitalization program reconfigures older base models to R1 vehicles with increased capability, reliability, and maintainability.

SYSTEM INTERDEPENDENCIES

Numerous data interchange customers use the HMMWV to mount shelters and other systems. The M1101/1102 Light Tactical Trailer is the designed trailer for this vehicle.

PROGRAM STATUS

- Fielding of ECV HMMWVs to Army, Marine Corps, Navy, Air Force, and foreign military sales customers
- Recapitalization of older model HMMWVs
- Continued product improvement in response to Army requirements

PROJECTED ACTIVITIES

- Introduce upgraded components in response to Army requirements

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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FOREIGN MILITARY SALES

Afghanistan, Argentina, Bahrain, Bolivia, Chad, Colombia, Djibouti, Ecuador, Egypt, Ethiopia, Honduras, Israel, Kuwait, Luxembourg, Mexico, Oman, Philippines, Saudi Arabia, Sudan, Taiwan, Tanzania, Tunisia, Uganda

CONTRACTORS

Prime: AM General (South Bend, IN)
Armored Doors: Demmer (Lansing, MI)
Engine: GEP (Franklin, OH)
AC Units: Acme Radiator (Goshen, IN)
Stamping: Modineer Co. Inc. (Niles, MI)
 Defiance (Defiance, OH)
Transmission: GTP (Hillside, IL)
Underbody: ESA Mfg (Williamston, MI)
Alternator: C.E. Niehoff & Co.
 (Evanston, IL)
Seat Belt: Conax (St. Petersburg, FL)
Aluminum Sheet: Kaiser Aluminum
 (Chicago, IL)

