

High Mobility Multipurpose Wheeled Vehicle (HMMWV)

Supports combat, combat support, and combat service support units with a versatile, light, mission-configurable, tactical wheeled vehicle.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



Description & Specifications

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is a tri-service program that provides light, highly mobile, diesel-powered, four-wheel-drive vehicles to satisfy Army, Marine Corps, and Air Force requirements. The HMMWV uses common components to enable its reconfiguration as a troop carrier, armament carrier, shelter carrier, ambulance, TOW missile carrier, and scout vehicle. Since its inception, the HMMWV has undergone numerous improvements, including technological upgrades, higher payload capacity, radial tires, Environmental Protection Agency emissions update, commercial bucket seats, three-point seat belts and other safety enhancements, four-speed transmissions, and in some cases, turbocharged engines and air conditioning.

There are numerous HMMWV variants. The HMMWV A2 configuration incorporates the

four-speed, electronic transmission, the 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 4,400 pounds and is the prime mover for the light howitzer and heavier shelters. The expanded capacity vehicle (ECV) has a payload capacity of 5,100 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 M1151 Armament Carrier, the M1152 (2-door variant) Troop/Cargo/Shelter Carrier, and the M1165 (4-door variant) Command and Control Carrier have all been recently introduced into production. These variants are

also built on an ECV chassis, which provides additional carrying capacity and are produced with an integrated armor package (A-Kit) with the capability to accept add-on-armor kits (B-Kits). The M1151 is currently fielded with a gunner's protection kit with transparent armor.

The HMMWV recapitalization program creates vehicles with increased capability, reliability, and maintainability.

Program Status

- Continue fielding of ECV HMMWVs to Army, Marine Corps, Air Force, and foreign military sales customers
- Continue recapitalization of HMMWVs
- **1QFY07:** Full materiel release for M1151A1/1152A1/1165A1 expected

Projected Activities

- Continuous product improvements through the introduction of upgraded components

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support



High Mobility Multipurpose Wheeled Vehicle (HMMWV)

FOREIGN MILITARY SALES

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

CONTRACTORS

AM General (South Bend, IN)
 Armor Holdings Inc. (AHI) (Fairfield, OH)
 GEP (Franklin, OH)
 Defiance (Defiance, OH)
 GM (Warren, MI)
 Red River Army Depot (Red River, TX)
 Letterkenny Army Depot
 (Chambersburg, PA)
 Maine Military Authority (Limestone, ME)

