

High Mobility Multipurpose Wheeled Vehicle (HMMWV)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

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

DESCRIPTION

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 updates; 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 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 4,400 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 current production variants—M1151A1 Armament Carrier, the M1152A1 (2-door variant) Troop/Cargo/Shelter Carrier, and the M1165A1 (4-door variant) Command and Control 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

The HMMWV supports numerous data interchange customers, who mount various shelters and other systems on it. The M1101/1102 Light Tactical Trailer is the designed trailer for this vehicle.

PROGRAM STATUS

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

PROJECTED ACTIVITIES

- Continuous product improvements through the introduction of upgraded components in response to Army requirements

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

High Mobility Multipurpose Wheeled Vehicle (HMMWV)

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

AM General (AMG) (South Bend, IN)
 BAE Systems (Fairfield, OH)
 GEP (Franklin, OH)
 Defiance (Defiance, OH)
 General Motors (Warren, MI)
 Red River Army Depot (Red River, TX)
 Letterkenny Army Depot
 (Chambersburg, PA)
 Maine Military Authority (Limestone, ME)

