

# High Mobility Multipurpose Wheeled Vehicle (HMMWV) Recapitalization (RECAP) Program

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### MISSION

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

### DESCRIPTION

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) Recapitalization (RECAP) program supports the recapitalization of Up-Armored HMMWVs (UAH) returning from theater and Non-Armored HMMWVs (NAH) for National Guard homeland security and disaster relief missions. The RECAP of UAHS will incorporate the latest HMMWV technical insertions common to the fleet. The Army initiated a Modernized Expanded Capacity Vehicle (MECV) UAH RECAP Modernization effort that will add underbody armor to protect the crew, improve performance, and increase vehicle survivability. The Army plans to

commence production upon successful completion of the integration and testing of these efforts in FY13. The RECAP of UAHS will migrate exclusively to the MECV.

The 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. 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 continuous evolution, including: improved survivability; 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. During RECAP, the non-armored configurations are converted to the M1097R1 configuration. The

HMMWV M1097R1 configuration incorporates a four-speed, electronic transmission; a 6.5-liter diesel engine; and improvements in transportability. It has a payload of 4,400 pounds.

The M1114 UAH may be converted to the M1151 during RECAP, and the M1151, M1152, and M1165 remain in their current configuration after RECAP. The M1114, M1151, M1152, and M1165 UAH configurations are based on the expanded capacity vehicle (ECV) chassis. The UAH was developed to provide increased ballistic and blast protection, primarily for military police, special operations, and contingency force use.

### SYSTEM INTERDEPENDENCIES

#### Other Major 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

- Initiated the UAH Depot RECAP Program
- Initiated the Modernized Expanded Capacity Vehicle (MECV) Competitive

### HMMWV RECAP Program

#### PROJECTED ACTIVITIES

- Evaluate responses to the Request for Proposals
- Award contract for prototypes for test and evaluation HMMWV RECAP Program
- Conduct Technical Development Testing
- Award Production contract
- Conduct production qualification testing and operational testing
- Procure Low-Rate Initial Production vehicles

## ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

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### FOREIGN MILITARY SALES

None

### CONTRACTORS

Red River Army Depot (Texarkana, TX)  
 Letterkenny Army Depot (Chambersburg, PA)  
 AM General (South Bend, IN)  
 GEP (Franklin, OH)  
 General Transmissions Products (South Bend, IN)

### MECV:

To be determined

