

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 recapitalization of UAHs will incorporate the latest HMMWV technical insertions common to the fleet. Current plans include the relocation of the air conditioning condenser to the engine compartment, high-load rating runflat tires, an improved geared fan drive, and electrical improvements. These adjustments will be incorporated

into the depot Recapitalization (Recap) production lines under an automotive improvements program (AIP).

The HMMWV is a lightweight, highly-mobile, high-performance, diesel-powered, four-wheel drive, air transportable and air droppable family of tactical vehicles. The HMMWV uses common components to enable its reconfiguration as a troop carrier, armament carrier, shelter carrier, Tubed-Launched, Optically-Tracked, Wire-Guided missile carrier, ambulance, 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

In this Publication

None

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 trailer designed for this vehicle.

PROGRAM STATUS

- **1QFY12-2QFY12:** Resumption of the UAH Depot Recap program at Red River Army Depot (RRAD) and Letterkenny Army Depot (LEAD)
- **1QFY12-3QFY12:** Automated Improvement Program improvements design and testing

PROJECTED ACTIVITIES

- **2QFY13:** Begin UAH Depot Recap AIP production at RRAD
- **2QFY13:** Complete UAH Depot Recap production at LEAD

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & 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)

