

Mine Resistant Ambush Protected Vehicles (MRAP), Army

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides tactical mobility for warfighters with multi-mission platforms capable of mitigating the effects of improvised explosive devices (IEDs), underbody mines, and small arms fire threats.

DESCRIPTION

The Joint Mine Resistant Ambush Protected (MRAP) Vehicle Program (JMVP) is a multi-service program currently supporting the Army, Navy, Marine Corps, Air Force, and the U.S. Special Operations Command. The program procures, tests, integrates, fields, and supports highly survivable vehicles that provide protection from IEDs and other threats. These four- to six-wheeled vehicles are configured with government-furnished equipment to meet unique warfighting requirements. Vehicle combat weights (fully loaded without add-on armor) range from approximately 34,000 to

60,000 pounds, with payloads ranging from 1,000 to 18,000 pounds. Key components (e.g., transmissions, engines) vary between vehicles and manufacturers, but generally consist of common commercial and military parts.

Three categories of vehicles support the following Army missions:

- **Category I (CAT I):** Carries four to six passengers. Designed to provide increased mobility and reliability in rough terrain.
- **CAT II:** Multimission operations (such as convoy lead, troop transport, and ambulance). Carries 10 passengers.
- **MRAP All Terrain Vehicle (M-ATV):** Carries four Soldiers plus a gunner. Supports small-unit combat operations in complex and highly restricted rural, mountainous, and urban terrains. The M-ATV provides better overall mobility characteristics than the original CAT I, II, and III MRAP vehicles yet retains the same survivability threshold.

In addition, CAT III vehicles support Mine/IED clearance operations and explosive ordnance disposal (EOD). CAT III vehicles carry six passengers, plus specialized equipment to support EOD operations. The Force Protection Industries Buffalo is the only CAT III variant and is the largest MRAP vehicle. The Army does not own CAT III MRAPs.

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

MRAP vehicles are equipped with multiple Government Furnished Equipment items, including communications equipment, mine and IED counter-measure equipment, in addition to weapons and crew protection systems.

PROGRAM STATUS

- **1QFY12-4QFY12:** Completed production and fielding of MRAP vehicles to Army, Marine Corps, Air Force, Navy, U.S. Special Operations, and foreign military sales customers
- **1QFY12-4QFY12:** Continued modernization of MRAP vehicles returning from theater in preparation for transition to enduring force requirements

PROJECTED ACTIVITIES

- **2QFY13-2QFY15:** Continue support of MRAP vehicles fielded in response to urgent theater requirements
- **2QFY13-2QFY15:** Continue modernization of MRAP vehicles returning from theater in preparation for transition to enduring force requirements
- **1QFY14:** Complete transition of program management functions from Navy to Army for all variants except Cougar

ACQUISITION PHASE

Technology Development	Engineering & Manufacturing Development	Production & Deployment	Operations & Support
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Mine Resistant Ambush Protected Vehicles (MRAP), Army

FOREIGN MILITARY SALES

Canada, France, Italy, United Kingdom

CONTRACTORS

BAE Systems Land & Armaments, Ground
Systems Division (York, PA)

BAE-TVS (Sealy, TX)

General Dynamics Land Systems, Canada
(Ontario, Canada)

Navistar Defense (Warrenville, IL)

Oshkosh Corp. (Oshkosh, WI)

