

Assault Breacher Vehicle (ABV)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Provides deliberate and in-stride minefield and complex obstacle breaching capability to the mounted maneuver force.

DESCRIPTION

The Assault Breacher Vehicle (ABV) is a highly mobile and heavily armored minefield and complex obstacle breaching system. It consists of an M1A1 Abrams tank hull, a unique turret with two Linear Demolition Charge Systems (employing two Mine Clearing Line Charges (MICLIC) and rockets), a Lane Marking System (LMS), Integrated Vision System, and a High Lift Adapter that interchangeably mounts a Full Width Mine Plow (FWMP) or a Combat Dozer Blade (CDB). The ABV requires a crew of two Soldiers. It improves the mobility and survivability of Combat Engineers and has the speed to keep pace with the maneuver force.

The ABV creates a tank-width cleared lane through a minefield by launching and detonating one of its MICLIC systems across the minefield, then proofing the lane with its FWMP

while marking the cleared lane with its LMS. The ABV is fielded to the Combat Engineer company organic to the Brigade Special Troops Battalion of Armored Brigade Combat Teams. Each ABCT receives six ABVs, four FWMP and two CDBs. The ABV is air-transportable by C-17 and larger aircraft.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **2QFY12:** 3d Brigade 3d Infantry Division
- **2QFY12:** 2d Brigade 3d Infantry Division
- **3QFY12:** 1st Brigade 3d Infantry Division

PROJECTED ACTIVITIES

- **2QFY13:** Type Classification Standard and Full Materiel Release
- **2QFY13:** Fielding 1st Brigade 34th Infantry Division (Minnesota ARNG)
- **3QFY13:** Fielding 1st Brigade 2d Infantry Division
- **4QFY13:** Fielding 4th Brigade 1st Armored Division
- **1QFY14:** Fielding 2d Brigade 1st Armored Division
- **2QFY14:** Fielding 3d Brigade 1st Cavalry Division
- **3QFY14:** Fielding 4th Brigade 1st Cavalry Division
- **FY15:** Further fielding based on Army priorities

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Assault Breacher Vehicle (ABV)

FOREIGN MILITARY SALES

None

CONTRACTORS

Integration:

Anniston Army Depot (ANAD)
(Anniston, AL)

Front End Equipment:

URS (Albuquerque, NM)

Line Demolition Charge System:

DRS (Los Angeles, CA)

Technical Manuals:

XMCO (Warren, MI)

