

Bradley Upgrade

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

To provide infantry and cavalry fighting vehicles with digital command and control capabilities, significantly increased situational awareness, enhanced lethality and survivability, and improved sustainability and supportability.

DESCRIPTION

The Bradley M2A3 Infantry/M3A3 Cavalry Fighting Vehicle (IFV/CFV) features two second-generation, forward-looking infrared (FLIR) sensors—one in the Improved Bradley Acquisition Subsystem (IBAS), the other in the Commander's Independent Viewer (CIV). These systems provide "hunter-killer target handoff" capability with ballistic fire control. The Bradley A3 also has embedded diagnostics and an Integrated Combat Command and Control (IC3) digital communications suite hosting a Force XXI Battle Command Brigade-and-Below (FBCB2) package with digital maps, messages, and friend/foe situational awareness. The Bradley's position navigation with GPS, inertial navigation, and enhanced squad

situational awareness includes a squad leader display integrated into vehicle digital images and IC3.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY09:** Bradley A3 fielded to 1st Armored Division; Bradley Operation Desert Storm (ODS) fielded to the 155th MS Army National Guard (ARNG)
- **1QFY09:** Bradley A3 fielded to 3rd Brigade, 3rd Infantry Division

PROJECTED ACTIVITIES

- **1QFY10:** Bradley A3 fielded to 1st Brigade, 4th Infantry Division; and ODS fielded to 170th Separate Infantry Brigade
- **2QFY10:** Bradley A3 fielded to 4th Brigade, 1st Cavalry Division and 2nd Brigade, 4th Infantry Division; and ODS fielded to 1st Brigade, 1st Infantry Division and 2nd Brigade, 1st Infantry Division

- **3QFY10:** Bradley A3 fielded to Army Prepositioned Stock 5, 3rd Brigade, 1st Cavalry Division; 2nd Brigade, 1st Cavalry Division; and ODS fielded to 172nd Separate Infantry Brigade
- **4QFY10:** Bradley A3 fielded to 1st Brigade, 1st Cavalry Division; and ODS Situational Awareness (ODS SA) fielded to 81st Washington Army National Guard
- **Current:** Bradley conversions continue for both the Active Army and the ARNG to meet the Army's modularity goals; A3 Bradley is in full-rate production through 3QFY11.

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Bradley Upgrade

FOREIGN MILITARY SALES

None

CONTRACTORS

BAE Systems (San Jose, CA)

Raytheon (McKinney, TX)

DRS Technologies (Melbourne, FL)

Elbit Systems of America
(Fort Worth, TX)

L-3 Communications (Muskegon, MI)



LENGTH: 21.5 feet

WIDTH: 9.75 feet without armor tiles; 10.83 feet with armor tiles

HEIGHT: 11.8 feet

WEIGHT: 67,000 pounds combat loaded; 78,925 pounds with add-on armor, Bradley reactive tiles, and skirt armor to protect from explosively formed penetrators

POWER TRAIN: 600 hp Cummins VTA-903T diesel engine with L-3 Communications HMPT-500-3EC hydro-mechanical automatic transmission

CRUISING RANGE: 250 miles

ROAD SPEED: 38 miles per hour

CREW, PASSENGERS: M2A3: 10 (3 crew; 7 dismounts); M3A3: 5 (3 crew; 2 dismounts)

VEHICLE ARMAMENT: 25mm Bushmaster cannon; TOW II missile system; 7.62mm M240C machine gun

CURRENT MODELS/VARIANTS:

- M2/M3 A2
- M2/M3 A2 Operation Desert Storm (ODS)
- M2/M3 A3
- M2/M3 A2 ODS-E (Engineer Vehicle)
- Bradley Commander's Vehicle (BCV)
- M7 ODS Bradley Fire Support Team (BFIST)
- M3A3 Bradley Fire Support Team (BFIST)

