

# Bradley Fighting Vehicle Systems Upgrade

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

## MISSION

Provides 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 information. These systems provide the vehicle with increased shared battlefield situational awareness (SA).

The Bradley's position navigation with GPS, inertial navigation, and enhanced squad SA includes a squad leader display integrated into vehicle digital images and IC3.

## SYSTEM INTERDEPENDENCIES

### In this Publication

Force XXI Battle Command Brigade and Below (FBCB2), Single Channel Ground and Airborne Radio System (SINGARS)

### Other Major Interdependencies

Army Battle Command System (ABCS), Blue Force Tracker (BFT), FM Voice-Advanced SINGARS Improvement Program (ASIP) Radio, Forward Observer Systems (BFIST Only), Ground Mobile Radio System (GMRS), System of Systems Common Operating Environment (SOSCOE)

## PROGRAM STATUS

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

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; ODS fielded to 172nd Separate Infantry Brigade
- **4QFY10:** Bradley A3 fielded to 1st Brigade, 1st Cavalry Division; ODS SA fielded to 81st Washington Army National Guard

## PROJECTED ACTIVITIES

- **2QFY11:** Field Bradley A3 2nd Brigade, 1st Armor Division and 3rd Brigade, 3rd Infantry Division; Field ODS SA 30th Heavy Brigade Combat Team North Carolina Army National Guard
- **3QFY11:** Field Bradley A3 2nd Brigade, 3rd Infantry Division
- **4QFY11:** Field Bradley A3 1st Brigade, 2nd Infantry Division and 3rd Brigade, 4th Infantry Division; ODS fielded to TSS, Korea

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

## Bradley Fighting Vehicle Systems Upgrade

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### Prime:

BAE Systems (York, PA; Santa Clara, CA)  
 DRS Technologies (Palm Bay, FL)  
 Raytheon (McKinney, TX)  
 L-3 Communications (Muskegon, MI)  
 Curtiss-Wright (Littleton, MA)  
 Elbit Systems of America (Fort Worth, TX)



**SPEED:** 40 mph  
**RANGE:** 250 miles  
**PAYLOAD:** 6,000 pounds  
**VEHICLE WEAPONS:** 25mm, TOW II, 7.62mm  
**M2/M3A3 MMBF REQUIRED/ACTUAL:** 400/681  
**DEPLOYABLE AIRCRAFT:** C17, C5

