

Armored Knight

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

Assists Heavy and Infantry Brigade Combat Teams (HBCTs and IBCTs) in performing terrain surveillance, target acquisition and location, and fire support for combat observation lasing team missions.

DESCRIPTION

The M1200 Armored Knight provides precision strike capability by locating and designating targets for both ground- and air-delivered laser-guided ordnance and conventional munitions. It replaces the M707 Knight High Mobility Multipurpose Wheeled Vehicle (HMMWV) base and M981 fire support team vehicles used by combat observation lasing teams (COLTs) in both HBCTs and IBCTs. It operates as an integral part of the brigade reconnaissance element, providing COLT and fire support mission planning and execution.

The Armored Knight is a M117 Armored Security Vehicle (ASV) chassis/hull with add-on armor fragmentation kits installed, providing enhanced

survivability and maneuverability over the unarmored M707. The system includes a full 360-degree armored cupola and integrated Knight mission equipment package.

The mission equipment package includes: Fire Support Sensor System (FS3) mounted sensor, Targeting Station Control Panel, Mission Processor Unit, Inertial Navigation Unit, Defense Advanced Global Positioning System Receiver (DAGR), Power Distribution Unit, and Rugged Handheld Computer Unit (RHC) Forward Observer Software (FOS).

Other Armored Knight specifications:

Crew: Three COLT members

Combat loaded weight: Approximately 15 tons

Maximum speed: 63 miles per hour

Cruising range: 440 miles

Target location accuracy: Less than 20 meters circular error probable

SYSTEM INTERDEPENDENCIES

In this Publication

Advanced Field Artillery Tactical Data System (AFATDS), Force XXI Battle Command Brigade and Below (FBCB2)

Other Major Interdependencies

FS3, FOS

PROGRAM STATUS

- **FY11:** Cumulative total of 370 M1200 Armored Knight vehicle systems produced out of 465 vehicle systems procured, with FY11 being the last procurement FY, meeting Army Acquisition Objective of 465s

PROJECTED ACTIVITIES

- **FY12:** Complete Validation of Targeting Under Armor (TUA), increased force protection/survivability capability for M1200 Armored Knight
- **1QFY13:** Procure TUA retrofit kits for M1200 AK fleet retrofit and field M1200 TUAs to next deploying units in HBCTs/IBCTs/BfSBs in Active Component and Army National Guard
- **3QFY13:** Complete M1200 Armored Knight Production

ACQUISITION PHASE

Technology Development

Engineering and Manufacturing Development

Production and Deployment

Operations and Support

Armored Knight

FOREIGN MILITARY SALES

None

CONTRACTORS

M1117 ASV Hull:

Textron Marine & Land Systems
(New Orleans, LA)

Precision Targeting Systems

Production/Vehicle Integration:

DRS Sustainment Systems Inc. (St. Louis,
MO; West Plains, MO)

FS3 Sensor:

Raytheon (McKinney, TX)

Inertial Navigation Unit:

Honeywell (Clearwater, FL)

Common Display Unit:

DRS Tactical Systems (Melbourne, FL)

