

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, Rugged Hand-Held 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), Armored Security Vehicle (ASV), Force XXI Battle

Command Brigade and Below (FBCB2), Lightweight Laser Designator/Rangefinder (LLDR) AN/PED-1, Single Channel Ground and Airborne Radio System (SINCGARS)

Other Major Interdependencies

FS3, FOS

PROGRAM STATUS

- **FY10:** Cumulative total of 239 vehicle systems produced out of 386 vehicle systems procured; Vehicle systems fielded to deploying HBCTs and IBCTs

PROJECTED ACTIVITIES

- **2QFY11–FY12:** Procure and produce additional 79 M1200 vehicle systems; field to next deploying units in HBCTs/IBCTs in Active Component and Army National Guard
- **FY12:** Complete Design/Integration/Validation of Targeting under Armor Capability for M1200 Armored Knight for increased survivability

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & 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)

