

M1A1 Firepower Enhancements (M1A1 FEP)

Description

This firepower enhancement program is a suite of upgrades for the M1A1 Tank. It will include a second-generation thermal sight and a Far Target Location (FTL) capability. The second-generation thermal sight consists of upgrades to the M1A1 stabilization system, infrared optics, an infrared focal plane array, associated analog and digital electronics, display, brackets, and cables. The FTL system includes a North Finding Module (NFM), brackets, cables, and inputs from the existing laser range finder and Precision Lightweight Global Positioning System Receiver (PLGR). The FTL system will provide the tank crew with accurate target location within two seconds after lasing the target. The FTL solution is determined by utilizing the inputs of the laser range finder, PLGR and NFM.

Operational Impact

As part of a Marine Air-Ground Task Force (MAGTF), the M1A1 Tank provides maneuver and armor protected firepower to the Ground Combat Element. As the mobility and survivability of threat systems improve, the M1A1 must increase the speed and accuracy with which they acquire and engage targets. The M1A1 FEP system will provide thermal imaging and FTL capability that will overmatch threat sensor performance, thereby improving the ability of Marine Corps tank crews to engage and defeat an enemy at extended ranges. The M1A1 FEP system will provide for increased target detection, recognition, identification, and FTL capabilities during day and night operations, through smoke, fog, or other battlefield obscurants.

Program Status

The M1A1 FEP is currently in Acquisition Phase: Phase 1 Development.

Procurement Profile: FY01 FY02

Quantity: 0 0

Developer/Manufacturer

DRS Sensor Systems, Inc. Torrance, CA

Raytheon Systems Company, McKinny, TX

