

Non Line of Sight–Launch System (NLOS–LS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To enhance combat effectiveness and survivability by providing precise, highly deployable, non-line-of-sight lethal fires for the Early Infantry Brigade Combat Team (E-IBCT).

DESCRIPTION

The Non Line of Sight–Launch System (NLOS–LS) is a core system within the Brigade Combat Team (BCT), and provides unmatched lethality and “leap ahead” missile capability for U.S. forces. NLOS–LS consists of precision guided missiles loaded onto a highly deployable, platform-independent container launch unit (CLU) with self-contained technical fire control, electronics, and software to enable remote and unmanned fire support operations.

The precision guided munition being developed is the Precision Attack Missile (PAM). The NLOS–LS CLU will contain 15 missiles and one Missile Computer and Communications System (MCCS). The PAM, which launches vertically from the CLU, will be used primarily to defeat hard, soft, moving,

or stationary target elements when fire mission orders are received by Advanced Field Artillery Tactical Data System (AFATDS). It will be able to receive in-flight target updates via its onboard network radio, and will have limited automatic target recognition capability. PAM will have a multi-functional warhead to effectively engage hard (armor) and soft targets. NLOS–LS CLUs were fielded to the Army Evaluation Task Force (AETF) in FY08 for integration into Current Forces as part of the E-IBCT spin-out strategy. NLOS–LS also supports the Navy’s Littoral Combat Ship against small boat threats. Future missile variants may include air defense and non-lethal capabilities. Key NLOS–LS advantages include the following:

- Remote fire control
- Remote emplacement
- Extended-range target engagements and battle damage assessment
- Jam-resistant Global Positioning System
- Ability to engage moving targets

Weight: CLU with 15 missiles, approximately 3150 pounds

Width: 45 inches

Length: 45 inches

Height: 69 inches

Range: Approximately 40 kilometers

SYSTEM INTERDEPENDENCIES

AFATDS, Soldier Radio Waveform, Joint Tactical Radio System (JTRS) for Future Forces

PROGRAM STATUS

- **1QFY09:** Guided test vehicle (GTV) #1, #2 and #3
- **2QFY09:** GTV #4, #8
- **3QFY09:** GTV #9, #10
- **4QFY09:** GTV #11

PROJECTED ACTIVITIES

- **4QFY09–1QFY10:** Continue GTV testing
- **2QFY10:** Flight limited user test

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Non Line of Sight–Launch System (NLOS–LS)

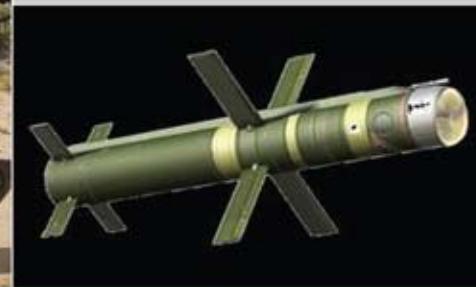


FOREIGN MILITARY SALES

None

CONTRACTORS

Raytheon (Tucson, AZ; Fuller, CA)
 Lockheed Martin (Baltimore, MD;
 Dallas, TX)
 L-3/IAC (Anaheim, CA)



PM Network Systems Integration (NSI)

- Tactical Fire Control
- Network Development and I/F
- Mission Planning

PEO-Missiles and Space Efforts

- Development of PAM, and CLU w/ MCCS
- Technical Fire Control
- Network Interfaces for CLU and Missiles
- Platform Interfaces with LSI and PM FCS

