

Forward Area Air Defense Command and Control (FAAD C2)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Collects, processes, and disseminates real-time target tracking and cuing information to all short-range air defense weapons and provides command and control (C2) for the Counter-Rocket, Mortar, and Artillery (C-RAM) program.

DESCRIPTION

Forward Area Air Defense Command and Control (FAAD C2) software provides critical C2, situational awareness, and automated air track information by integrating engagement operations software for multiple systems, including:

- Avenger
- Sentinel
- Army Battle Command System (ABCS)
- C-RAM Program

FAAD C2 supports air defense and C-RAM weapon systems engagement operations by tracking friendly and enemy aircraft, cruise missiles, unmanned aerial vehicles, mortar and

rocket rounds as identified by radar systems, and by performing C2 for Avenger and the C-RAM system.

FAAD C2 uses the following communication systems:

- Enhanced Position Location Reporting System (EPLRS)
- Multifunctional Information Distribution System (MIDS)
- Single Channel Ground and Airborne Radio System (SINCGARS)

FAAD C2 provides Joint C2 interoperability and horizontal integration with all Army C2 and air defense artillery system, including, but not limited to:

- Surface Launched Advanced Medium Range Air-to-Air Missile
- PATRIOT
- Avenger
- Theater High Altitude Area Defense (THAAD)
- Airborne Warning and Control System (AWACS)
- C-RAM
- ABCS

SYSTEM INTERDEPENDENCIES

Other Major Interdependencies

Radar systems providing input data such as Sentinel, Firefinder, Lightweight Counter-Mortar Radar (LCMR), and AWACS

PROGRAM STATUS

- **3QFY10:** BIOPs approved for updated shelter systems
- **4QFY10:** FAAD C2 version 5.4B full materiel release
- **4QFY10:** Complete fielding of FAAD Sensor C2 nodes to five division headquarters

PROJECTED ACTIVITIES

- **1QFY11:** Complete FY10 reset effort of 37 FAAD C2 shelter systems
- **2QFY11:** Field final Maneuver Air and Missile Defense Battalion (1-188 Air Defense Artillery)
- **3QFY11:** Field FAAD C2 software version 5.5A with 3D display
- **4QFY11:** Continue fielding of Sensor C2 nodes to six additional division headquarters

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Forward Area Air Defense Command and Control (FAAD C2)

FOREIGN MILITARY SALES

Egypt

CONTRACTORS

Software:

Northrop Grumman Space and Mission Systems Corp. (Redondo Beach, CA)

Hardware:

Tobyhanna Army Depot (Scranton, PA)
PKMM (Las Vegas, NV)

SETA:

ITT-CAS, Inc. (Huntsville, AL)

CHS 3:

General Dynamics (Taunton, MA)

