

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, Artillery, Mortar (C-RAM) System-of-Systems (SoS).

DESCRIPTION

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

- Avenger
- Sentinel
- Army Mission Command
- C-RAM SoS

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

radar systems, and by performing C2 engagement operations for Short Range Air Defense (SHORAD) and C-RAM SoS.

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)
- Wireless Local Area Network (LAN)

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

- PATRIOT
- Avenger
- Theater High Altitude Area Defense (THAAD)
- Airborne Warning and Control System (AWACS)
- C-RAM SoS
- Army Mission Command

SYSTEM INTERDEPENDENCIES

In this Publication

None

Other Major Interdependencies

Radar systems providing input data such as Sentinel, Firefinder, Lightweight Counter-Mortar Radar (LCMR), and Joint external sensors (e.g. AWACS)

PROGRAM STATUS

- **1QFY12:** Completed fielding of Sensor C2 nodes to all COMPO 1 divisions
- **4QFY12:** Urgent Materiel Release of FAAD C2 V5.5A.11.4
- **4QFY12:** Completed fielding of Sensor C2 nodes to all COMPO 2 divisions

PROJECTED ACTIVITIES

- **1QFY13:** Field upgrades to 1-204 Air Defense Artillery Battalion (Mississippi Army National Guard)
- **1QFY13:** Full Materiel Release of FAAD C2 version 5.5A
- **4QFY14:** Complete FAAD fieldings to 5-5 ADA BN and 2-44 ADA BN
- **1QFY15:** FAAD C2 Program transitions to Sustainment

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Forward Area Air Defense Command and Control (FAAD C2)

FOREIGN MILITARY SALES

Australia, Egypt, United Kingdom

CONTRACTORS

Software:

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

Hardware:

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

CHS 3:

General Dynamics (Taunton, MA)

