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, 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, and 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)

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
- Army Mission Command

SYSTEM INTERDEPENDENCIES

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

- **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)
- **4QFY11:** Field FAAD C2 software version 5.5A with 3D display
- **4QFY11:** Complete fielding of Sensor C2 nodes to all COMPO 1 divisions

PROJECTED ACTIVITIES

- **1QFY12:** Complete FY11 reset effort of 23 FAAD C2 shelter systems
- **4QFY12:** Technology Refresh of FAAD C2 systems in three BNs
- **4QFY12:** Full Materiel Release of FAAD C2 version 5.5A
- **1QFY13:** Complete fielding of Sensor C2 nodes to all COMPO 2 divisions

ACQUISITION PHASE

| Technology Development | Engineering and Manufacturing Development | Production and Deployment | Operations and Support |

UNITED STATES ARMY

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)