Advanced Field Artillery Tactical Data System (AFATDS)

INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

MISSION

To provide the Army, Navy, and Marine Corps automated fire support command, control and communications.

DESCRIPTION

The Advanced Field Artillery Tactical Data System (AFATDS) performs the attack analysis necessary to determine optimal weapon-target pairing to provide automated planning, coordination, and control for maximum use of fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, and offensive electronic warfare).

AFATDS performs the fire support command, control, and coordination requirements of field artillery and maneuver from echelons above corps to battery or platoon in support of all levels of conflict. The system is composed of common hardware and software employed in varying configurations at different operational facilities (or nodes) and unique system software interconnected by tactical communications in the form of a software-driven, automated network.

AFATDS will automatically implement detailed commander's guidance in the automation of operational planning, movement control, targeting, target value analysis, and fire support planning. This project is a replacement system for the Initial Fire Support Automated System, Battery Computer System, and Fire Direction System. AFATDS is designed to interoperate with the other Army battle command systems; current and future Navy and Air Force command and control weapon systems; and the German, French, British, and Italian fire support systems.

SYSTEM INTERDEPENDENCIES

Forward Entry Device (FED), Pocket-Sized Forward Entry Device (PFED), Joint Automated Deep Operations Coordination System (JADOCS), Paladin, Multiple Launch Rocket System (MLRS), Theater Battle Management Core System (TBMCS), Gun Display Unit (GDU)/Gun Display Unit–Replacement (GDU–R), Force XXI Battle Command, Brigade-and-Below (FBCB2), Non Line of Sight–Cannon (NLOS–C)/Non Line of Sight–Launch System (NLOS–LS), Excalibur, All Source Analysis System (ASAS)/Distributed Common Ground System–Army (DCGS–A)

PROGRAM STATUS

- **3QFY07:** Conditional materiel release (CMR) of AFATDS 6.4.0.1
- **4QFY07:** CMR of AFATDS 6.4.0.2
- **1QFY09:** Full materiel release (FMR) of AFATDS 6.5.0

PROJECTED ACTIVITIES

- **3QFY09:** FMR of AFATDS 6.5.1 (Windows)
- **1QFY10:** FMR of AFATDS 6.6.0 (Marshall Build)
- **1QFY11:** FMR of AFATDS 6.7.0 (MacArthur Build)
- **1QFY12:** FMR of AFATDS 6.8.0 (Eisenhower Build)

ACQUISITION PHASE

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

Advanced Field Artillery Tactical Data System (AFATDS)

FOREIGN MILITARY SALES
Bahrain, Egypt, Portugal, Turkey, Taiwan

CONTRACTORS
Software:
Raytheon (Fort Wayne, IN)
Hardware:
General Dynamics (Taunton, MA)
Technical support:
Computer Sciences Corp. (CSC)
   (Eatontown, NJ)
New equipment training:
Engineering Professional Services
   (Lawton, OK)
Titan Corp. (Lawton, OK)