Advanced Field Artillery Tactical Data System (AFATDS)

Provides automated fire support command, control, and communications for the Army, Navy, and Marine Corps.

DESCRIPTION AND SPECIFICATIONS

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 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.

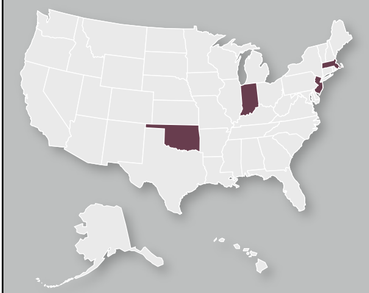
AFATDS performs the fire support command, control, and coordination requirements at all echelons of field artillery and maneuver, from echelons above corps to battery or platoon in support of all levels of conflict. The system is composed of common hardware and software employed in varying configurations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

PROGRAM STATUS

- **2QFY04** AFATDS 6.3.2 materiel release and fielding
- **3QFY04** AFATDS 6.4 limited user test
- **1QFY05** Army Battle Command Systems 6.4 system-of-systems test

PROJECTED ACTIVITIES

- **3QFY05** AFATDS 6.4 materiel release and fielding



CONTRACTORS

Software: Raytheon (Ft. Wayne, IN)
Hardware: General Dynamics (Taunton, MA)
Technical Support: Computer Sciences Corporation (Tinton Falls, NJ)
New Equipment Training: Engineering Professional Services (Lawton, OK)
Testing: Titan Systems (Lawton, OK)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- Production and Deployment