

Advanced Field Artillery Tactical Data System (AFATDS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

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

DESCRIPTION

The Advanced Field Artillery Tactical Data System (AFATDS) functions as the land component's automated Fire Support Command and Control (FSC2) system. The AFATDS software is used in the Fires Warfighting Function (WFF) to plan, execute, and deliver lethal and non-lethal effects within the overall Mission Command and Control enterprise. AFATDS interoperates and integrates with over 80 different battlefield systems, to include Navy and Air Force command and control weapon systems and the German, French, Turkish, and Italian fire support systems. AFATDS fuses the essential situational awareness (SA) data, intelligence information and targeting

data, in near real time, in order to effectively manage target selection and target engagement in accordance with Mission Command guidance and priorities.

AFATDS pairs targets to weapons to provide optimum use of fire support assets and timely execution of fire missions. AFATDS automates the planning, coordinating, and controlling of all fire support assets (field artillery, mortars, close air support, naval gunfire, attack helicopters, offensive electronic warfare, fire support meteorological systems, forward observers, and fire support radars). The system is in use in operations in Afghanistan.

SYSTEM INTERDEPENDENCIES

In this Publication

Battle Command Sustainment Support System (BCS3), Distributed Common Ground System—Army (DCGS-A) Global Command and Control System—Army (GCCS-A), Tactical Battle Command (TBC)/Maneuver Control System (MCS), Joint Battle Command—Platform

(JBC-P), Lightweight 155mm Howitzer System (LW155), Multiple Launch Rocket System (MLRS) M270A1

Other Major Interdependencies

Lightweight Forward Entry Device (LFED), Pocket-Sized Forward Entry Device (PFED), Joint Automated Deep Operations Coordination System (JADOCS), Theater Battle Management Core System (TBMCS), Naval Fires Control System (NFCS), Command and Control Personal Computer / Joint Tactical COP Workstation (C2PC / JTCW)

PROGRAM STATUS

- **3QFY12:** Developed web-based capabilities to allow remote access to AFATDS fires and functions to align with emerging Common Operating Environment (COE) guidance. This capability will be fielded in AFATDS version 6.8 (1QFY13).
- **3QFY12:** Awarded the AFATDS Version 6.8.X software contract
- **3QFY12:** Network Integration Evaluation (NIE) 12.2
- **4QFY12:** AGILE Fire VI: Integrated Tactical Airspace (ITA) Project. Demonstrated improved airspace

management between U.S. Air Force Airspace Command and Control nodes and Army applications utilizing newly productized Net-Centric Airspace Operations services

- **Continued** fielding of AFATDS

PROJECTED ACTIVITY

- **1QFY13:** AFATDS Increment 2 Materiel Development Decision
- **1QFY13:** NIE 13.1
- **2QFY13:** Full Materiel Release of AFATDS 6.8.0 (BC 13)
- **2QFY13:** Completion of hardware transition to Windows Operating System
- **3QFY13:** AFATDS Increment 2 Milestone B Decision Review
- **3QFY13:** NIE 13.2
- **1QFY14:** NIE 14.1
- **3QFY14:** NIE 14.2

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Advanced Field Artillery Tactical Data System (AFATDS)

FOREIGN MILITARY SALES

Australia, Bahrain, Egypt, Jordan, Portugal, Taiwan, and Turkey

CONTRACTORS

Raytheon (Fort Wayne, IN)
 General Dynamics (Taunton, MA)
 Northrop Grumman (Aberdeen, MD)
 Computer Sciences Corp. (CSC)
 (Eatontown, NJ; Belcamp, MD)
 CACI (Eatontown, NJ)

