

# Advanced Field Artillery Tactical Data System (AFATDS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

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

## DESCRIPTION

The Advanced Field Artillery Tactical Data System (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, and fire support radars).

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, and is capable of processing 200 fire missions per hour. 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. The system has been used in operations in Iraq and Afghanistan.

## SYSTEM INTERDEPENDENCIES

### In this Publication

Distributed Common Ground System–Army (DCGS-A), Force XXI Battle Command Brigade and Below (FBCB2), Excalibur (XM982), Multiple Launch Rocket System (MLRS) M270A1, Paladin/Field Artillery Ammunition Support Vehicle (FAASV), Air/

Missile Defense Planning and Control System (AMDPCS), High Mobility Artillery Rocket System (HIMARS), Lightweight 155mm Howitzer System (LW155)

### 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), Gun Display Unit–Replacement (GDU-R)

## PROGRAM STATUS

- **1QFY09:** Full materiel release (FMR) of AFATDS 6.5.0
- **1QFY10:** FMR of AFATDS 6.5.1 (Windows)
- **4QFY10:** FMR of AFATDS 6.6.0 (Marshall Build)

## PROJECTED ACTIVITIES

- **2QFY11:** FMR of AFATDS 6.7.0 (MacArthur Build)
- **1QFY13:** 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, Jordan, Portugal, Taiwan, Turkey

### CONTRACTORS

#### Software:

Raytheon (Fort Wayne, IN)

#### Hardware:

General Dynamics (Taunton, MA)

Raytheon (Fort Wayne, IN)

#### HIMARS Shelters:

Northrop Grumman (Carson, CA)

#### NET:

VIATECH (Lawton, OK)

#### Technical:

Computer Sciences Corp. (CSC)  
(Eatontown, NJ)

#### Fielding:

CACI (Eatontown, NJ)

#### IV&V:

Titan Systems (Lawton, OK)

