

## FSC2 AND THE BATTLE COMMAND COLLAPSE STRATEGY

The Battle Command Collapse strategy ensures that the requirements serving the needs of the Warfighter are provided in an optimum collaborative environment called the Battle Command Workstation. This strategy will be achieved by integrating capabilities from various BC functional areas, including fires, logistics, maneuver, airspace management, and air defense.

The initial integration of fires data and capabilities onto the Battle Command Workstation was released for testing in October 2010. The Maneuver Commander and staff will be able to visualize Fires Situational Awareness that includes Targets, Units and Geometries, as well as interact with the Fires Support Officer and Fires staff. The Maneuver Commander and staff will also be provided the capability to visualize and coordinate data and courses of action for Time Sensitive Targets (TSTs) with other Army units and Joint staffs. Interaction includes, creating, editing and collaborating on fires data among the Maneuver Commander's staff.

## FSC2 FAST FACTS

- Thousands of systems fielded worldwide:
  - Over 4,000 AFATDS systems are fielded from Platoon to Corps levels
  - More than 2600 JADOCs software applications in use today
  - Over 770 CENTAUR systems have been fielded throughout the Department of Defense
  - Approximately 750 GDU-Rs are in use today
  - More than 1900 PFEDs are deployed to Warfighters
- Recent FSC2 Awards: AFATDS earned one of DoD Systems Engineering Top 5 Program Awards for 2009 and PFED was chosen as a Computer World Laureate for 2010.



## FIRE SUPPORT COMMAND AND CONTROL



PM Battle Command  
<http://peoc3t.monmouth.army.mil>

PEO C3T Technical Industrial Liaison Office (TILO)  
<http://peoc3t.monmouth.army.mil/TILO.html>



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## WHAT IS FSC2?

Fire Support Command and Control (FSC2) under Project Manager Battle Command (PM BC), Program Executive Office Command Control and Communications Tactical, is the Army Battle Command System (ABCS) component that provides the U.S. Army, Joint and Coalition Commanders with the capability to plan and execute the delivery of both lethal and non-lethal fires. FSC2 provides these assets via the Advanced Field Artillery Tactical Data System (AFATDS); Joint Automated Deep Operations Coordination System (JADOCS); Pocket-Sized Forward Entry Device (PFED); Lightweight Forward Entry Device (LFED); Centaur (Lightweight Tactical Fire Direction System); and Gun Display Unit-Replacement (GDU-R) systems. All of these systems are managed by FSC2 to effectively combine the right weapon with the right target at the right time.



## FSC2 FAMILY OF SYSTEMS

### AFATDS

Advanced Field Artillery Tactical Data System (AFATDS) is an automated FSC2 system that processes, analyzes, and exchanges combat information among the U.S. Army, U.S. Marine Corps (USMC) and other Joint architectures. AFATDS provides fully automated support for planning, coordinating, controlling, and executing fires and effects. It supports weapon systems such as mortars, field artillery cannons, rockets and missiles, close air support, attack aviation, and naval surface fire support systems.

### JADOCS

Joint Automated Deep Operations Coordination System (JADOCS) represents a true Joint and Coalition tool that provides an accurate and detailed operational environment view critical for planning, coordinating, and executing time-sensitive targets. It is a joint warfighting application that provides Warfighters with a combination of tools, services, and mission managers to bridge capability gaps identified by Combatant Commands (COCOMs) and service commanders. Warfighters utilize JADOCS capabilities to focus target processing, and effectively coordinate synchronized execution across different spectrums starting from the battalion to the Joint Force headquarters and COCOMs based on the operational situation.

### PFED

Pocket-sized Forward Entry Device (PFED) is the forward entry device used by forward observers and fire support teams to transmit and receive fire

support messages over standard military line of sight, HF and SATCOM radios. Combined with the integrated Precision Fire Imagery application, PFED can generate a coordinate sufficient to target precision munitions. PFED also incorporates the latest changes to support the Digitally Aided Close Air Support effort.

### LFED

Lightweight Forward Entry Device (LFED) hardware hosts the Forward Observer System (FOS) software which enables forward observers and fire support teams to plan, control and execute fire support operations at maneuver platoon, company, battalion and brigade levels. With its integration of applications from the Digital Precision Strike Suite, LFED supports targeting the latest precision munitions. LFED supports the latest changes in Digitally Aided Close Air Support.

### CENTAUR

CENTAUR is the lightweight tactical fire direction system that serves as a technical fire direction capability in case the primary capability, AFATDS, is unavailable. Its primary function is a secondary calculation check for AFATDS or manual calculations.

### GDU-R

Gun Display Unit-Replacement (GDU-R) is the Army's replacement for the unsupportable Gun Display Unit that digitally receives and displays firing commands from the Fire Direction Center which are then forwarded down to the crews of non-digitized howitzers via the GDU-R, thereby allowing quicker crew actions with significantly less intervention than when using voice commands.

**PM BC MISSION:** Provides Integrated Battle Command Capabilities, training and support to the Joint Land Component Warfighter. PM BC's products enable Warfighters to plan and execute and synchronize tactical and operational warfighting functions to include maneuver, fires, sustainment, airspace management, and air defense. PM BC also procures a common hardware computing baseline used by a broad range of Army products.