

# Pocket-Sized Forward Entry Device (PFED)

"C3I System Architect for the Digitized Army"  
"Leading the Army into the Millennium"



PROJECT MANAGER INTELLIGENCE AND EFFECTS

## MISSION

The Army and Marine Corps are pursuing handheld C2 and Wireless technologies to support the needs of the dismounted warfighters on the present and future battlefield. The Windows CE based **Pocket-Sized Forward Entry Device (PFED)** utilizes existing SINGARS ASIP communications to provide the lightest, most powerful dismounted system for developing "Calls for Fire" that is fully interoperable with both AFATDS and Legacy Fire Support systems. When coupled with the fielded PLGR GPS (or optional integrated GPS) and MELIOS/Viper Laser Ranging Binoculars, the PFED system enables rapid precision Sensor-to-Shooter and Surveillance capabilities with "First Round Kill" accuracy. A subset of the Forward Observer System (FOS) software enables users to plan, control and execute fire support operations at the maneuver platoon level.

## DESCRIPTION AND SPECIFICATIONS



PFED with integrated Military GPS

The PFED is an integral part of the digitized system architecture. It provides the vital sensor-to-shooter link required for effective fires. The PFED also provides critical situational awareness for forward deployed field artillery units. It provides the initial digital entry device required for Forward Observers (FO).

The PFED program provides the hardware platform to support DoD mandated Interoperability/Army digitization requirements (to include implementation of the MIL-STD-188-220 protocol and Variable Message Format messages) and C4I technical architecture requirements. It is used in the Light Divisions by the Forward Observers (FO).

## FOREIGN COUNTERPART

None Known

## FOREIGN MILITARY SALES

On-going discussions.

## PROGRAM STATUS

82nd ABN Soldier Demo - Jan 01  
109th FA (PANG) Soldier Demo - May 02  
101st AASLT Soldier Demo - Jul 02  
10th MTN Soldier Demo - Aug 02  
82nd ABN Airdrop Test - Dec 02  
10th MTN JRTC - Dec 02  
172d SIB Cold Weather Test - Jan 03  
25th LID Soldier Demo - Mar 03  
Customer Test - 1QFY04  
First Unit Equipped (25 LID/3-7) - 2QFY04



Forward Observer with PFED

Urgent Materiel Release (25 LID) - 3QFY04  
Urgent Materiel Release (SBCT-2; 2-8 FA) - 3QFY04  
FUE USMC - 4QFY04

## PROJECTED ACTIVITIES

Full Materiel Release (non-embedded GPS) - 1QFY05  
Full Materiel Release (embedded GPS) - 2QFY05

## PRIME CONTRACTOR(S):

Hardware: CHS II Rugged - Personal Digital Assistant (R-PDA)  
· General Dynamics (Tauton, MA)  
· Talla-Tech (Tallahassee, FL)  
Software:  
· Booz Allen Hamilton (McLean, VA)  
Testing:  
· Titan (Lawton, OK)  
Fielding:  
· EPS (Fort Monmouth, NJ)

## POINTS OF CONTACT



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