Improved Explosive Device (IEDD)

INVESTMENT COMPONENT

- **Modernization**
- Recapitalization
- Maintenance

MISSION

Provides both mounted and dismounted Soldiers with rapid and enduring capabilities to detect, defeat, and neutralized explosive hazards.

DESCRIPTION

The Improvised Explosive Device (IEDD) Defeat product is comprised of several highlighted systems:

- The **Self Protection Adaptive Roller Kit (SPARK)** provides a pre-detonation capability mounted on the family of MRAP vehicles; the latest version, SPARK II has key improvements: variable stand-off, quick disconnect, and improved articulation from inside the cab, increased down pressure, and power generation.
- **Entry Control Point (ECP) in a box** is a suite of systems that provide the Soldier the ability to detect and protect against personal borne and vehicle borne IEDs. The suite is comprised of explosive detection systems, non-lethal systems, and blast mitigation systems. This effort is a coordinated effort with PdM FPS.
- **Jackal** is an IR defeat system integrated with MRAP platforms. While the PIR is a low-density threat, it is a very lethal threat.
- **Rhino** is a high-density, low-cost system integrated on MRAP platforms used to defeat the PIR threat.

SYSTEM INTERDEPENDENCIES

In this Publication

Mine Resistant Ambush Protected Vehicles (MRAPs)

PROGRAM STATUS

SPARK II is currently in OEF, with over 2000 rollers procured and delivered; the program is transitioning to a program of record in FY12 under the Explosive Hazard Pre-Detonation (EHP) CPD

PROJECTED ACTIVITIES

SPARK II is a New Start in FY12

ACQUISITION PHASE

Technology Development | **Engineering and Manufacturing Development** | Production and Deployment | Operations and Support

Improvised Explosive Device (IEDD)

FOREIGN MILITARY SALES

SPARK:
ANA

CONTRACTORS

SPARK:
Pearson Engineering (Newcastle upon Tyne, England)
ECP:
Aardvark Technical (Azusa, CA)
Jackal:
Raytheon Technical Services (Indianapolis, IN)
Rhino:
Letterkenny Army Depot (Chambersburg, PA)