Improvised Explosive Device (IEDD)

**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:

- **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 standoff, 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
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)