

**IMPROVISED EXPLOSIVE DEVICE EFFECTS SIMULATOR,
INCREMENT 1 (IEDES 1), ELECTRONIC COMMON INTERFACE DEVICE (ECID),
433 MHZ**



ECID (electrical connection ports)



ECID (signature device connectors)

Training Category/Level Utilized:
Ordnance/Level 3

Logistic Responsible Command, Service, or Agency:
PEO-STRI, Orlando FL

Source and Method of Obtaining:
Available through local TSC

Purpose of Trainer:

The Electronic Common Interface Device (ECID) is a major component of the IEDES 1 training system. The ECID is capable of initiating both pyrotechnic and non-pyrotechnic signature devices. The ECID can connect to a minimum of four signature devices utilizing a lead wire of 15 meters in length to each signature device. It is capable of initiating signature devices simultaneously or independently. ECID's communicate with the IEDES Module Control Unit (MCU) at a hardwired range of 500 meters, as well as wirelessly at a range of 1000 meters Line of Sight (LOS) on Government approved radio frequency bands of 433.0 - 433.375 MHz. Each ECID possesses a unique code to identify itself to the MCU and distinguish itself from other ECID's. The ECID is capable of accepting direct input from a variety of manual triggering devices, including, but not limited to pressure plates, trip wires or motion sensors.

Functional Description:

The ECID is capable of providing range, GPS location and detonation feedback to the MCU, in addition to battery life status and Built-In-Test (BIT) data. It stores event data including date/time stamp, GPS location of ECID, number of detonations, number of trigger events, and jamming

status. The ECID provides an interface for data retrieval. The ECID is capable of providing status data and event data to the MCU, and storing 500 events. Each ECID possesses a unique code to identify itself to the MCU and distinguish itself from other ECID's.

Physical Information:

ECID Dimensions: 13" x 11" x 5.5" Weight: 12 lbs.

Equipment Required, Not Supplied:

None

Special Installation Requirements:

None

Power Requirements:

Rechargeable lead-acid battery: 12 volts, 5.4 AMPH

Applicable Publications:

Operators Manual: 05-6920-703-10
System Maintenance Manual: 05-6920-703-24& P

Reference Publications:

None

Training Requirements Supported:

Individual Training: Any MOS with a mission requirement to operate in an environment where the Improvised Explosive Device threat is likely. Operators may also include military civilians and contractors.