DANGER
Once the ECID is armed, shorting wires together will cause detonation.

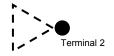ECID terminals

MCU terminals

Terminal 1

Terminal 2

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Purpose. This GTA will help keep hard wires separate while connecting them to Terminal 1 and Terminal 2 on the ECID and MCU.

DANGER
1. Before attaching the MCU to the ECID by direct wire, ensure that the ECID is in the DISARMED mode.
2. Always attach the direct-wire devices before attempting to configure the ECID or MCU for direct-wire operations.

Terminal 2   Terminal 1

Step 1. Insert the running end of the wire through the center of Card 1.

Step 2. Split the wires, and secure one wire on the left (Terminal 1) and one wire on the right (Terminal 2).

Note. Refer to the operator user's manual for complete setup instructions.

U.S. Army Maneuver Support Center of Excellence
January 2011

IEDES DIRECT-WIRE SAFETY CARD
Direct-Wire Setup Procedures (Nonpyrotechnic)
Card 2

Step 1. Obtain a nonpyrotechnic scalable signature device (NPSSD) and module control unit (MCU).

Step 2. Remove the 15-meter, RS-485 cable.

Step 3. Obtain a nonpyrotechnic controller (NPC).

Step 4. Connect the blue output connector to the J5 connector on the NPC, and connect the other end of the RS-485 cable to the red input on the NPSSD.

Step 5. Obtain a Multi-Integrated Laser Engagement System (MILES) emitter unit (MEU) from Kit A and a 3-meter, RS-485 cable.

Step 6. Connect the 3-meter, red, RS-485 input connector to the J1 connection on the MEU.

Step 7. Connect the other end of the RS-485 cable to the J2 blue output connector on the NPC.

Step 8. Obtain one 9-volt alkaline battery to install in the MEU.

Step 9. Turn on the MEU by pressing and releasing the POWER SWITCH.

Step 10. Assign the player identification (PID) and MILES effect scale to the MEU by using a universal controller device.

Step 11. Emplace the MEU to attain optimal kill results.

Step 12. Remove the burst disk retainers from the four echo chambers, and locate the smoke simulation powder in the equipment supply transit case.

Step 13. Pour the smoke simulation powder into the echo chambers, filling each ¼ to ½ full. Place two black, plastic cups inside the cap retainer. Reinstall retainers to the echo chambers, and hand-tighten retainers until they are snug.

Step 14. Obtain four 9-ounce carbon dioxide (CO_2) bottles. Remove the dust caps from each bottle, and attach the caps to the NPSSD caddy using their embedded magnets. Hand-tighten each bottle to the echo chamber on the NPSSD.

Step 15. Return to the electronic common interface device (ECID), and attach the initiator device to Terminal 1 and Terminal 2. Insert the running end of the wire through the center of Card 1. Split the wires, and secure one wire on the left (Terminal 1) and one wire on the right (Terminal 2). Route the length of the wire out to the emplacing position. Return to the ECID, and place the POWER SWITCH in the ON position (ARM ECID).

Step 16. Once the ECID is armed, return to the FIRING position. Remove the wire from the card (Terminal 1), and secure it into the MCU Terminal 1. Remove the second wire from the card (Terminal 2), and secure it into the MCU Terminal 2.

<table>
<tr><td>DANGER
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Step 17. Complete the MCU setup procedures according to the operator user's manual.

Note. Refer to the operator user's manual for complete setup instructions.