

IMPROVISED EXPLOSIVE DEVICE EFFECTS SIMULATOR, INCREMENT 1 (IEDES 1), NON-PYROTECHNIC CONTROLLER (NPC)



NPC (front view)



NPC (rear view)

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 Non-Pyrotechnic Controller (NPC) is a major component of the IEDES 1 training system. The NPC electrically connects to the Electronic Common Interface device (ECID), and Non-Pyrotechnic Scalable Signature Devices (NPSSD). It has RS-485 IN, and RS-485 OUT connector's to allow daisy chaining of attached devices.

Functional Description:
The NPC is used with the NPSSD which is capable of providing small through large Improvised Explosive Device (IED) signature effects, and firing multiple cartridges simultaneously (small - large). The NPSSD is initiated by the IEDES 1 Module Control Unit (MCU) and Electronic Common Interface Device (ECID). The NPSSD can be wirelessly initiated when connected to an IEDES ECID, and can be manually initiated when connected by hardware to an MCU. The NPSSD is controlled by the (NPC). The NPC keeps track of the tubes that have been fired on the NPSSD, and sends status back to the ECID. When the NPC is powered off, and the tubes of the NPSSD

are reloaded, the NPC will assume that all tubes have been reloaded when it is powered on again.

Physical Information:
NPC Dimensions: 7.5" x 9" x 4" Weight: 6 lbs.

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
12V, 5.0 AMPH Rechargeable SLA

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.