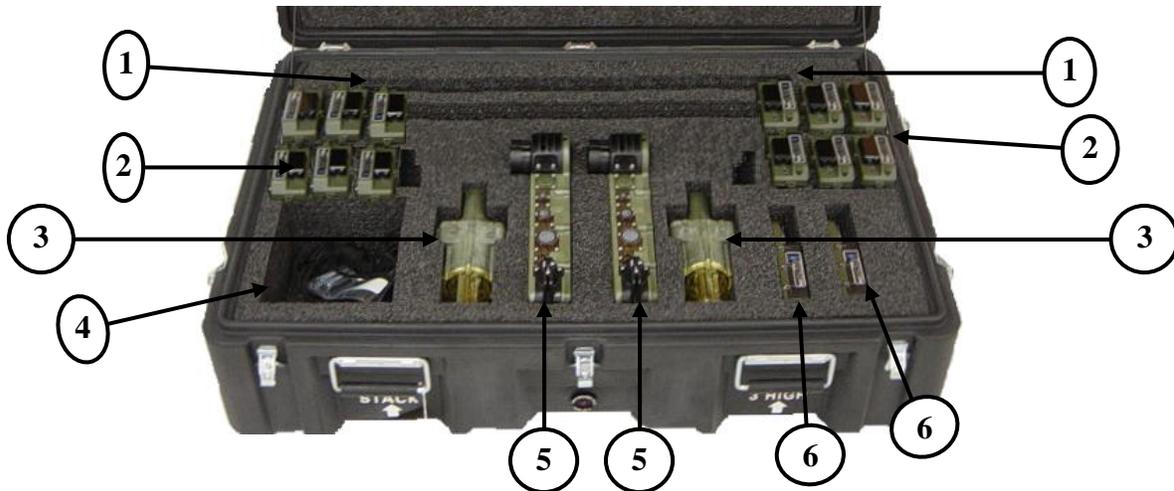


WIRELESS INDEPENDENT TARGET SYSTEM (WITS) M113 KIT (915 MHz)



Training Category/Level Utilized:

Engineer/Level 1

Logistic Responsible Command, Service, or Agency:

PEO-STRI, Orlando FL

Source and Method of Obtaining:

Available through local TSC

Purpose of Trainer:

The WITS M113 KIT system is capable of operating in a (MILES) environment in force-on-force live training areas. The WITS M113 KIT system is capable of providing the following functions over and above that of the Basic MILES system it is replacing: Player Identification (PID), fratricide identification, multiple levels of kill and vulnerability due to direction of attack. The WITS M113 KIT provides additional detectors to support the M113 Armored Personnel Carrier (APC). New weapons, ammunition, and weapon performance will be accommodated.

Functional Description:

The MILES WITS program trains Active Duty and Reserve battalion task forces in Force-on-Force (FoF) exercises at home station, and the Combat Training Centers (CTCs). The MILES WITS program detects the direct fire effects and simulates signature effects of actual weapon systems primarily during FoF exercises from squad through brigade level (i.e. engage committed forces, Military Operations in Urban Terrain (MOUT), special operations, mobility, and counter mobility). By providing these capabilities in a training environment MILES WITS enable soldiers to make, then correct mistakes and therefore help reduce casualties in actual combat. It is comprised of a set of wireless detector modules (WDM) that gather and route laser-based data and information to the WITS Remote Display Module (WITS RDM). The system also comprises a kill indicator assembly by way of Strobe Module which flashes to give an indication the player has been engaged. The Strobe Module energy source is driven by a separately detached battery operated Power Module. The subsystems that make up the WITS are connected using industry standard networking technologies and processing hardware. The software is an amalgamation of Commercial-off-the-shelf products (COTS) and WITS product-unique applications.

Physical Information:

Note: each case contains 2ea WITS M113 Kits

1. Mast Assembly (TBD – underdevelopment will be supplied at later date) 2 each
2. Wireless Detector Modules (WDM) 12 each
3. Strobe Module 2 each
4. Universal Power Cables 2 each
4. Dome Light Power Cable 2 each

- 5. Power Module 2 each
- 6. Remote Display Module (RDM) 2 each
- *7. WITS Transit & Storage Container Case (*Item drawing number for case not shown) 1 each

Equipment Required, Not Supplied:
(Information not available)

Special Installation Requirements:
None

Power Requirements:
(Information not available)

Applicable Publications:
TM Number TBD

Reference Publications:
(Information not available)

Training Requirements Supported:
MOSC 11B, 11Z, 19D, 19K, 19Z