

TOW IMPROVED TARGET ACQUISITION SYSTEM-TACTICAL ENGAGEMENT SIMULATION SYSTEM (ITAS-TESS) FIELD TRAINING SYSTEM



Training Category/Level Utilized:
Infantry/Level 1

Logistic Responsible Command, Service, or Agency:
PEO STRI, PM Field OPS

Source and Method of Obtaining:
Available at Light Infantry posts.

Purpose of Trainer:
ITAS-TESS is a training and simulation system comprised of a HMMWV or Ground-Mounted system and a ground instrumentation system that supports individual, crew, gunnery, and collective live force-on-force training at Home Station or the Combat Training Centers (CTC).

Functional Description:
ITAS-TESS is a wireless training system capable of simulating all TOW missiles. The system is comprised of a Laser Module Unit (LMU) which incorporates three eye safe lasers: a pointing laser; a boresight laser; and a MILES laser. This unit mounts on the side of the ITAS. The Instrumentation Player Unit (IPU) provides position location, telemetry radios for CONUS and OCONUS use, System Kill Indicator, MILES sensors, and a flash data card for recording and playback for AAR. The Training Missile provides the power link to the system. Six wireless

MILES sensors are included in each kit. The vehicle commander can observe on his video display what the gunner sees. The system is transparent to the Soldier and compatible with all MILES systems and the CTCs.

Physical Information:
The LMU does not disturb the balance of the ITAS.

Equipment Required, Not Supplied:
SINGARS battery for IPU.
ATWESS Cartridges.

Special Installation Requirements:
Consult Operator's Manual.

Power Requirements:
Operates off vehicle battery power or separate power supply (provided) when ground-mounted.

Applicable Publications:
Operator's and System Maintenance Manuals in each kit.

Reference Publications:
Infantry Manuals.

Training Requirements Supported:
MOSC 11B.