

1. What will supply the live domain of the Integrated Training Environment?

The Homestation Instrumentation Training System, or HITS, is a deployable instrumented training capability that supports platoon through battalion-level Live Force-on-Force Training. It tracks locations of Soldiers and vehicles and simulates weapons effects and engagements, allowing units to “train as they fight” against living opponents.

2. What are some of the characteristics of HITS?

It provides accurate feedback to training units, After Action Reviews (AAR) and take-home packages. HITS consists of light deployable components that can be rapidly assembled, disassembled and transported to support deployed training. It integrates with future and legacy Instrumentable-MILES. It can track up to 2,000 Live and 8,000 Constructive participants within a 20 kilometer by 20 kilometer training area.

3. How will HITS integrate with the other training environments?

It will send exercise information to the Mission Command Systems that also receive information from the virtual and constructive simulations and simulators.

4. What are the advantages of HITS?

HITS provides a more accurate representation of engagements between opposing forces. The increased accuracy enables fewer Observer-Controller-Trainers to shape exercises. It supports number of tasks at the battalion and company levels, including movement to contact, attack, defense and reconnaissance for home station training.

5. What are the elements in HITS?

HITS consists of three subcomponent sets:

- A. Battalion Exercise Control (EXCON) suite. It is made up of six two-man lift boxes containing servers, switches, firewalls, video and communications. An additional three boxes contain company workstations and one company subset designed to be used remotely, if needed.
- B. Range Instrumentation Infrastructure Package. It consists of a set of two antennae, one small unit for mounting in proximity of the battalion EXCON and another trailer-mounted, self-erecting, 100-foot tower. It also includes Interim Range System radios to transmit position and hit or miss data.

C. Tactical Engagement Simulation Systems. It connects to the Instrumentable-MILES systems for individual weapons, tactical vehicles and combat vehicles so information is transmitted to the EXCON.

6. How does live training in the Integrated Training Environment (ITE) help the Army develop leaders?

Live training provides the ultimate leader development environment with its challenges of weather, real people, communications, terrain, physical exertion and other critical factors. Leaders learn to expect the unexpected because humans are the major element – how they react to situations cannot be predicted with complete accuracy. In the ITE, live training contributes to leader development by using the Homestation Instrumentation Training System (HITS). HITS pairs with Multiple Integrated Laser Engagement System (MILES) to record the unit's radio communications, video footage of key actions, time-stamped GPS locations of all the players, and the who-shot-whom MILES data of both the training unit and the opposing force. All that content is available to the unit's senior trainer for the After Action Review, an essential part of leader development. Live training in the ITE benefits leaders from the squad level through the Brigade Combat Team level.