Instrumentable–Multiple Integrated Laser Engagement System (I-MILES)

**MISSION**
Provides force-on-force and force-on-target collective training at home stations and Combat Training Centers (CTCs).

**DESCRIPTION**
The Instrumentable–Multiple Integrated Laser Engagement System (I-MILES) is the Army’s primary live simulation system and is composed of several component systems. I-MILES products include man-worn systems, combat vehicle systems, target systems, shoulder-launched systems, and controller devices. The system operates within a live, virtual, and constructive integrated architecture that supports Army and Joint exercises.

The I-MILES Combat Vehicle Tactical Engagement Simulation System (CV TESS) provides live training devices for armored vehicles with fire control systems including Bradley Fighting Vehicles and Abrams Tanks. It interfaces and communicates with CTCs and home station instrumentation, providing casualty and battlefield damage assessments for after-action reporting. I-MILES CV TESS provides real-time casualty effects necessary for tactical engagement training in direct fire force-on-force and instrumented training scenarios.

The I-MILES Individual Weapons System (IWS) is a man-worn dismounted system, providing event data that can be downloaded for use in an after action review and training assessment. The IWS replaces Basic MILES IWS at home stations and Maneuver CTCs Army-wide.

The I-MILES Shoulder Launched Munitions (SLM) replaces Basic MILES and provides better training fidelity for blue forces’ AT4 weapons and threat weapons using opposing force RPG7 visual modifications.

The Universal/Micro Controller Devices (UCD/MCD) are low-cost, lightweight devices used by observer controllers and maintenance personnel to initialize, set up, troubleshoot, reload, reset, resurrect, and manage participants during live force-on-force training exercises. These modular, self-contained devices interact and provide administrative control of all other MILES devices.

**SYSTEM INTERDEPENDENCIES**
None

**PROGRAM STATUS**

**IWS:**
- **Current:** Fielded approximately 14,000 IWS kits to the National Training Center (NTC) and over 54,000 kits Army-wide

**SLM:**
- **Current:** Fielded approximately 2,000 WITS kits to various home stations

**UCD/MCD:**
- **Current:** Fielded over 12,000 CD kits Army-wide

**SLM:**
- **Current:** Fielded over 1,000 SLM kits to NTC and over 5,400 kits Army-wide

**CV TESS:**
- **Current:** Fielded over 1,000 SLM kits to NTC and over 5,400 kits Army-wide

**4QFY10:** TVS contract award

**PROJECTED ACTIVITIES**

**IWS and SLM:**
- **FY11:** Full and open competition for recompete

**UCD/MCD:**
- **FY11:** Complete basis of issue

**CV TESS:**
- **FY11:** Full and open competition for recompete

**TVS/WITS:**
- **FY11:** TVS will complete testing and start fielding; WITS will complete fielding to outside continental United States (U.S. Army, Europe, and Korea)
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FOREIGN MILITARY SALES
None

CONTRACTORS
IWST: CUBIC Defense Sys. (San Diego, CA)
WITS: Lockheed Martin (Orlando, FL)
TVS: CUBIC Defense Systems (San Diego, CA)
MXXI CVS: Lockheed Martin (Orlando, FL)
SLM: Lockheed Martin (Orlando, FL)
CV TESS: In competition