

Instrumentable Multiple Integrated Laser Engagement System (I-MILES)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

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. 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 Tactical Vehicle System (TVS) encompasses the Wireless Independent Target System (WITS) and replaces the previously fielded Independent Target System (ITS) and other Basic MILES currently fielded on non-turret military vehicles. TVS/WITS designs include Stryker variants, tactical wheeled vehicle configurations, and a separate configuration for tracked/oversized vehicles such as the M113 and Mine Resistant Ambush Protected (MRAP) vehicles.

The Shoulder Launched Munitions (SLM) system provides real-time casualty effects necessary for tactical engagement training in direct fire, force-on-force training scenarios, and instrumented scenarios. It replaces Basic MILES and provides better training fidelity for blue forces AT4 & Bunker Defeat Munition 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 over 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 64,000 kits Army-wide

MXXI CVS:

- **Current:** Fielded over 400 systems to the NTC and Joint Readiness Training Center

SLM:

- **Current:** Fielded over 1,000 SLM kits to NTC and over 6,000 kits Army-wide

UCD/MCD:

- **Current:** Fielded over 14,000 CD kits Army-wide

TVS/WITS:

- **Current:** Fielded approximately 11,000 WITS kits to various home stations

PROJECTED ACTIVITIES

IWS:

- IWS testing completed and begin fielding

UCD/MCD:

- Complete basis of issue

CV TESS:

- CV TESS will complete testing

TVS:

- TVS will begin fielding

ACQUISITION PHASE

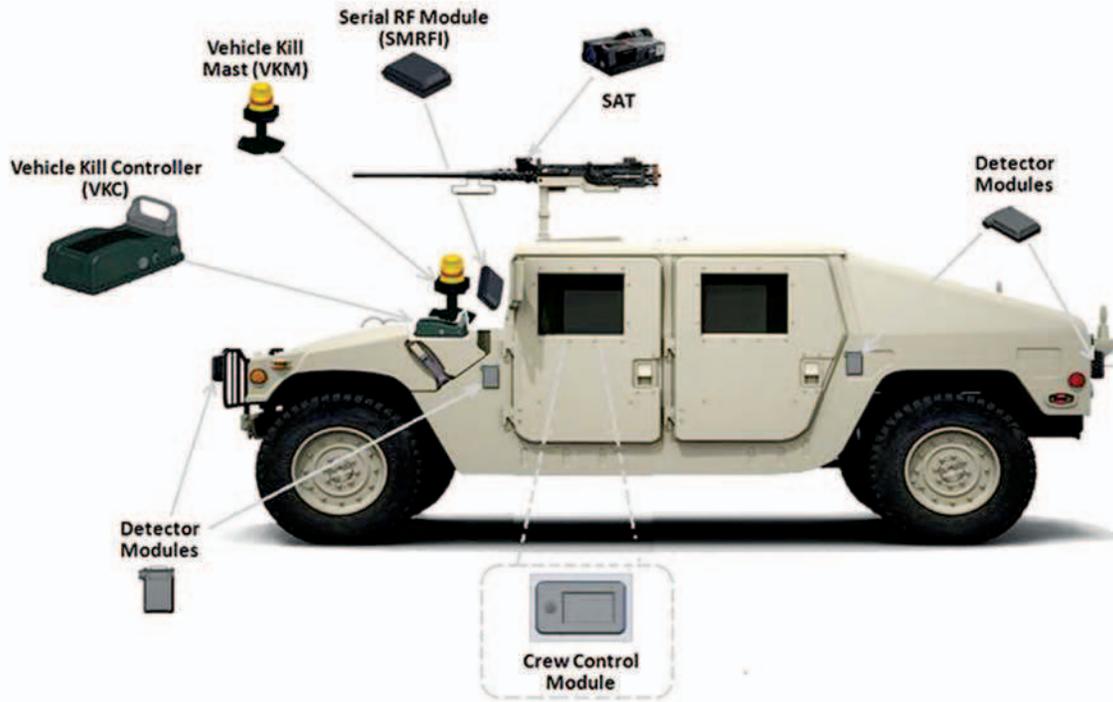
Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Instrumentable Multiple Integrated Laser Engagement System (I-MILES)



FOREIGN MILITARY SALES

Armenia, Bulgaria, Croatia, Egypt, Georgia, Jordan, Latvia, Lithuania, Saudi Arabia, Romania, Ukraine

CONTRACTORS

IWS:

CUBIC Defense Sys. (San Diego, CA)

WITS:

Lockheed Martin (Orlando, FL)

TVS:

CUBIC Defense Systems (San Diego, CA)

MAXI CVS:

Lockheed Martin (Orlando, FL)

SLM:

Lockheed Martin (Orlando, FL)

CV TESS:

SAAB Training USA LOC (Orlando, FL)

