

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

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

### MISSION

To provide force-on-force and force-on-target capabilities to support live collective training at home station, and Combat Training Centers (CTC).

### DESCRIPTION

The Instrumentable–Multiple Integrated Laser Engagement System (I–MILES) is composed of several component systems.

The I–MILES Combat Vehicle System (CVS) provides live training devices for armored vehicles with fire control systems including Bradley Fighting Vehicles and Abrams Tanks. It interfaces and communicates with CTC and home station instrumentation, providing casualty and battlefield damage assessments for after-action reporting (AAR).

The I–MILES Individual Weapons System (IWS) is a man-worn dismounted system, providing real-time casualty effects necessary for tactical engagement training in direct fire force-on-force and instrumented training scenarios. Event data can be downloaded for use in an AAR and training assessment. The IWS replaces Basic MILES Individual Weapon Systems (IWS) at home stations and Maneuver Combat Training Centers Army wide.

The Wireless Independent Target System (WITS) provides real-time casualty effects necessary for tactical engagement training in direct fire force-on-force training scenarios and instrumented training scenarios. It replaces the previously fielded Independent Target System (ITS) and other Basic MILES currently fielded on non-turret military vehicles. WITS designs include a tactical wheeled vehicle configuration and a separate configuration for tracked vehicles such as the M113.

The Shoulder Launched Munitions (SLM) 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 currently fielded and provides better training fidelity for blue forces' weapons and a more realistic simulation of threat weapons using opposing force 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, 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:

- Fielded approximately 6,000 IWS kits to the National Training Center

#### SLM:

- Fielded approximately 2,400 SLM Kits to National Training Center, Joint Maneuver Training Center, and various home stations

#### UCD/MCD:

- Fielded approximately 2,700 MCD/UCD Kits to National Training Center, Joint Maneuver Training Center, and various home stations

#### WITS:

- Fielded approximately 2,000 WITS kits to various home stations

### PROJECTED ACTIVITIES

#### IWS:

- **FY09:** Recompete contract

#### SLM:

- **FY09:** Complete basis of issue

#### UCD/MCD:

- **FY09:** Complete basis of issue

#### CVS:

- **FY09:** Continue fielding

#### WITS:

- **FY09:** Combine with Mine Resistant Ambush Protected vehicle system and recompete

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

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



**FOREIGN MILITARY SALES**

None

**CONTRACTORS**

**I–MILES IWS:**

Cubic Defense Systems (San Diego, CA)

**I–MILES SLM, WITS, and UCD/MCD:**

Universal Systems and Technology (Centreville, VA)

**I–MILES CVS:**

Science Applications International Corp. (SAIC) (San Diego, CA)

