One Semi-Automated Forces (OneSAF)

MISSION

To provide simulation software that supports constructive and virtual training; mission rehearsal; analysis and research; and embedded solutions for system program managers including the Early Infantry Brigade Combat Team (E-IBCT).

DESCRIPTION

One Semi-Automated Forces (OneSAF) is a next generation, entity-level simulation that supports both computer generated forces and Semi-Automated Forces applications. This enables it to support a wide range of Army brigade-and-below constructive simulations and virtual simulators.

OneSAF is currently being integrated by the Synthetic Environment (SE) Core program as the replacement SAF for virtual trainers such as Aviation Combined Arms Tactical Trainer, Close Combat Tactical Trainer and the Common Gunnery Architecture (CGA). OneSAF will serve as the basis for subsequent modernization activities for simulators across the Army. OneSAF was built to represent the modular and Future Force and provides entities, units, and behaviors across the spectrum of military operations in the contemporary operating environment. OneSAF has been crafted to be uniquely capable of simulating aspects of the contemporary operating environment and its effects on simulated activities and behaviors. OneSAF is unique in its ability to model unit behaviors from fire team to company level for all units—both combat and non-combat operations. Intelligent, doctrinally correct behaviors and improved graphical user interfaces are provided to increase the span of control for workstation operators.

Interoperability support is present for industry standards such as Distributed Interactive Simulation, High Level Architecture, Military Scenario Development Language, Joint Consultation Command and Control Information Exchange Data Model, and Army Battle Command System devices.

OneSAF is a cross-domain simulation suitable for supporting training, analysis, research, experimentation, mission-planning, and rehearsal activities. It provides the latest physics-based modeling and data, enhanced data collection and reporting capabilities.

SYSTEM INTERDEPENDENCIES

OneSAF provides required capabilities for SE Core; OneSAF is a complimentary Tier I program of E-ICBT.

PROGRAM STATUS

- **2QFY08:** OneSAF Version 2.0 released

PROJECTED ACTIVITIES

- **4QFY08:** Release OneSAF (International) Version 2.0
- **1QFY09:** Release OneSAF Version 3.0
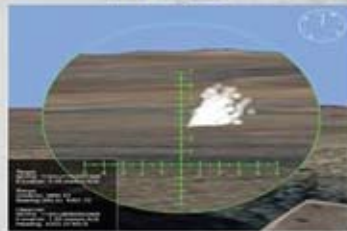
UNITED STATES ARMY

One Semi-Automated Forces (OneSAF) Objective System

FOREIGN MILITARY SALES
United Kingdom, Canada, Australia, Czech Republic, Bahrain

CONTRACTORS
Science Applications International Corp. (SAIC) (Orlando, FL)
CAE USA (Orlando, FL)
The Aegis Technology Group, Inc. (Orlando, FL)
Northrop Grumman Information Technology (NGIT) (Orlando, FL)
Lockheed Martin (Orlando, FL)