

One Semi-Automated Force (OneSAF)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides simulation software that supports constructive and virtual training, computer-generated forces, and mission rehearsal designed for brigade-and-below, combat, and non-combat operations.

DESCRIPTION

One Semi-Automated Forces (OneSAF) is a next generation, entity-level simulation that supports both computer-generated forces and Semi-Automated Forces (SAF) applications. It is currently being integrated by the Synthetic Environment Core program as the replacement SAF for virtual trainers such as Aviation Combined Arms Tactical Trainer (AVCATT) and Close Combat Tactical Trainer (CCTT). OneSAF will serve as the basis for subsequent modernization activities for simulators across the

Army. OneSAF was designed to represent the modular and Future Force and provides variables across the spectrum of military operations in the contemporary operating environment. 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.

OneSAF represents a full range of capabilities in support of simulation applications applied to: advanced concepts and requirements; research, development, and acquisition; and training, exercise, and military operations. OneSAF is designed to meet the constructive training challenges presented by transformation. OneSAF displays a high fidelity environmental representation. 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.

SYSTEM INTERDEPENDENCIES

In this Publication

OneSAF provides required capabilities for SE Core.

PROGRAM STATUS

Baseline International Deliveries:

- **FY12:** V5.1 Provided virtual product (CCTT/AVCATT) capability set
- **FY12:** PM Apache Longbow Crew Trainer (LCT) (Taiwan)
- **FY12:** PM Cargo Transportable Flight Proficiency Simulator (TFPS) (United Arab Emirates/Australia)

Co Developer Handover Integrations:

- **FY12:** U.S. Marine Corps. Combined Arms Command & Control Training Upgrade System (CACCTUS)
- **FY12:** AVCATT Handover & Merge with CCTT to establish OneSAF Virtual extension
- **FY12:** Battle Lab Simulated Environment (BLSE)/Space and Missile Defense Command (SMDC) capability sets
- **FY12:** IC WARGAMING capability set
- **FY12:** Australian Army capability set

New Capabilities:

- **FY12:** TRADOC Project Office (TPO) V6 Requirements and Integration Board requirements/CS 11-12/ARES
- **FY12:** 75th DIV (Engineering Module, Battle Book, Problem Tracking Reports)/Operational Environment Scenario Generation Tool
- **FY12:** TPO/Training, Exercise, and Military Operations/Army Modeling and Simulation Office PTRs
- **FY12:** Night Vision Goggle Tool Kit/After Action Review System components
- **FY12:** Bumble Bee product

Training:

- **FY12:** CGSC ALE 381/2 Operators courses/ 2 Developers courses

PROJECTED ACTIVITIES

- **FY13:** V6.0
- **FY14:** V7.0
- **FY15:** V8.0

Each release also includes the International release.

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

**One Semi-Automated Force
(OneSAF)**

FOREIGN MILITARY SALES

Australia, Bahrain, Canada, Czech Republic, Egypt, South Korea, New Zealand, United Kingdom

CONTRACTORS

Integration and Interoperability Support (I2S)

Prime:

Cole Engineering Services Inc. (CESI)
(Orlando, FL)

Subcontractors:

Lockheed Martin (Orlando, FL)
Dynamics Research Corp.
(Orlando, FL)

Camber Corp. (Orlando, FL)
Accenture (Orlando, FL)
CAE Inc. (Orlando, FL)

Production:

Prime:

Science Applications International Corp. (SAIC)
(Orlando, FL)

Subcontractors:

Lockheed Martin (Orlando, FL)
Northrop Grumman (Orlando, FL)
Dynamics Research Corp.
(Orlando, FL)

Aegis (Orlando, FL)
StackFrame (Sanford, FL)

