

One Semi-Automated Forces (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 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 Core program as the replacement SAF for virtual trainers such as Aviation Combined Arms Tactical Trainer

and Close Combat Tactical Trainer. 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 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.

OneSAF represents a full range of operations, systems, and control processes 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. With a full range of warfighter functional area representations, OneSAF displays a high fidelity environmental representation. 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.

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

Other Major Interdependencies

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

PROGRAM STATUS

- **4QFY10:** OneSAF version 4.0 released
- **4QFY10:** OneSAF version 5.0 released

PROJECTED ACTIVITIES

- **2QFY11:** Release OneSAF version 5.0 (International)

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

One Semi-Automated Forces (OneSAF)

FOREIGN MILITARY SALES

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

CONTRACTORS

A&I, M&T, ERC:

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

Integrated Environment:

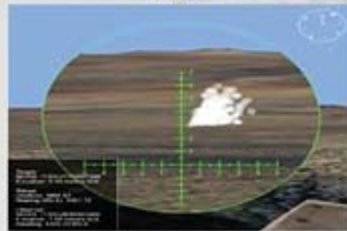
Advanced Systems Technology (Orlando, FL)

C4I Components:

Northrop Grumman Information Systems (NGIS) (McLean, VA)

AAR/MSDE:

CAE USA (Tampa, FL)



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