



TRADOC Project Office One Semi-Automated Forces (TPO OneSAF)



United States Army Combined Arms Center

OneSAF Concept

- **Single model serving Army cross-domain M&S requirements (analytics/experiments/training and operations)**
- **OneSAF replaces numerous legacy models (JANUS/ModSAF/BBS/JCATS/AVCATT-SAF/CCTT-SAF)**
- **One organization manages the model for the Army (TRADOC Project Office for One Semi-Automated Forces (TPO OneSAF))**
- **CAC-CG is the OneSAF Proponent; serves as the adjudicating authority when domain reps are unable to reach consensus in the annual requirements process**



TRADOC Project Office for the One Semi-Automated Forces (TPO OneSAF)

MISSION

TRADOC Project Office, One Semi-Automated Forces (TPO OneSAF) performs as the Army's **centralized planner, manager, and cross-domain integrator** for all OneSAF simulation requirements

Mission Essential Task List

- **Balance requirements of** the Army's modeling and simulation domains:
 - **Advanced Concepts and Requirements (analysis)**
 - **Research, Development and Acquisition (testing & experiments)**
 - **Training, Exercises and Military Operations**
- **Field and sustain** OneSAF across the Army
- **Coordinate** testing of new versions of OneSAF
- **Integrate** OneSAF with Army simulations and simulators
- **Develop constructive embedded training** capability for BCT Modernization



OneSAF

- A tailorable, next generation Computer Generated Force
- Represents a **full range of operations and systems**
- **Entity up to brigade level**, with variable levels of fidelity
- Human-in-the loop and no human in-the-loop.

- Automated
- Tailorable
- Expandable
- Interoperable

Software only

Platform Independent

Replaces legacy entity-based simulations



OneSAF's Take Away

- OneSAF is a cross-domain model simultaneously supporting the analytical and operational community
- OneSAF supports the Army Integrated Training Environment initiative (TEMO Domain)
 - 75th Limited User Fielding
 - OneSAF will be the common constructive model in LVC; initially for AVCATT and CCTT
 - OneSAF Integration in TEMO JLCCTC ERF Federation initiates with version 5.0 FY 11
- OneSAF is an integral component supporting future force development (ACR Domain)
 - OneSAF is the driver for TRADOC's BLCSE and 3CE/ARDEC simulation federations
- OneSAF is supporting current operations through analysis (RDA Domain)
 - MRAP study
 - Bradley Upgrade Study
 - Joint IDE Task Force/RKG-3 Study
 - Husky Mounted Detection System Study
- OneSAF is used by USMC at 29 Palms as the simulation driver for their Battle Staff Training Program Combined Arms Command & Control Training Upgrade System (CACCTUS)
- OneSAF is International currently fielded to 7 countries and is the constructive simulation for the US/UK Talon Strike (FY 10) and the ABCA Allied Aurora (FY 11)

