

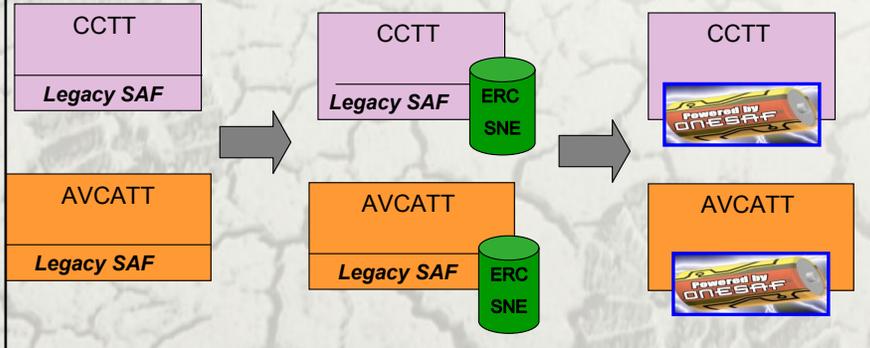


PEOSTRI

# SE Core Virtual OneSAF Fact Sheet



## SE Core OneSAF Integration Phased Approach



### Overview

SE Core's mission focuses on integrating SE Core's Virtual OneSAF into Aviation Combined Arms Tactical Trainer (AVCATT) and Close Combat Tactical Trainer (CCTT) in the pursuit of the establishment of Virtual OneSAF as the standard for future virtual computer generation forces.

As a result of this integration effort, virtual systems will benefit from embedded OneSAF capabilities such as OneSAF's Environment Runtime Component (ERC) services. The ERC provides urban terrain features and Ultra High Resolution Buildings facilitating training in the Contemporary Operating Environment.

Virtual OneSAF will result in a single SAF baseline, with capabilities common to both AVCATT and CCTT. This common Virtual OneSAF instantiation will be available for other virtual simulations thus facilitating interoperability between virtual systems and Future Combat Systems Mission.

### Capabilities

#### Phase One: Initial Capability

- Integration of OneSAF into the CCTT and AVCATT virtual architectures.
- Extension of CCTT and AVCATT capabilities with OneSAF functionality.
- Replacement of the legacy terrain formats and environmental services in CCTT and AVCATT with OneSAF ERC.

#### Phase Two:

- Behaviors and Models
  - Decomposition of Manned Module (MM) to SAF interaction threads and implementation of critical models (physical, behavioral and environmental).
  - Establish sufficient virtual infrastructure and fidelity to halt CCTT and AVCATT SAF development.
- System Functionality
  - Replacement of legacy Damage Assessment in CCTT and AVCATT with a common damage capability
  - Scenario generation process that supports static task organizations and flexible Brigade Combat Team (BCT) organizations.

### Benefits

- Enhances interoperability between CCTT, AVCATT and OneSAF
- Provides Multiple Sides and Affiliations
- OneSAF is used to extend the simulation capabilities
- Facilitates training in the Contemporary Operational Environment (COE)
- Implements common environmental services between CCTT, AVCATT and OneSAF
- Retires CCTT and AVCATT terrain database and services
- Retires CCTT and AVCATT SAF's

### Adopters

- CCTT
- AVCATT

### Future Adopters

- LCT

### Fielding Baseline

The software for the Virtual OneSAF Baseline will consist of modifications to:

- CCTT Common Baseline
- AVCATT 10.0B
- OneSAF Common Baseline

### Documentation

The documentation includes the creation of design notes and any required updates to the user manuals based on SE Core modifications and training material.

- **Provides a common SAF across the virtual domain**
- **Facilitates interoperability between virtual systems.**
- **Places CCTT, AVCATT, and OneSAF on the same terrain using the same terrain services with the same models and behaviors.**