



Synthetic Environment Core (SE Core)

Supporting Mission Execution With Interoperable Simulation

At 0630 on Monday, a training officer plans the week ahead. Helicopter pilots will practice low, fast night landings. A field hospital will simulate a mass casualty event. An infantry unit will train on convoy security. All will use different simulators and tactics. All must train as they fight. It's all in a day's work, thanks to the SE Core Architecture and Integration.

Science Applications International Corporation's (SAIC) SE Core is a set of virtual components common to multiple training simulation systems. Because users can reuse these components in multiple scenarios, redundancy is reduced. SE Core also increases realism and interoperability, and lowers the cost of development, operation and support of virtual training.

SE Core

Jeffrey Jancek

407.243.3700



Capabilities

- Provides common virtual components for interoperable simulation systems
- Enables plug-and-play simulation composition
- Allows integrated live, virtual and constructive simulation
- Comes with extensible product line architecture

SE Core has three main elements:

- **Virtual Simulation Architecture** — A common virtual environment that links simulations into an integrated, dynamically composable training capability
- **Common Virtual Components** — Capabilities that every simulation requires, such as after-action reviews, C4ISR capabilities, scenario generation (SGT) and exercise management tools
- **OneSAF Integration** — Integrating OneSAF into the two fielded virtual training systems: Close Combat Tactical Trainer (CCTT) and Aviation Combined Arms Tactical Trainer (AVCATT)

Fearless and flexible, military forces achieve victory by adapting as the battlefield evolves. With SE Core, SAIC makes Warfighter training as dynamic as Warfighters themselves. Contact us today to learn more.

Jeffrey Jancek, Business Development Director

12901 Science Dr. | Orlando, FL 32826

tel: 407.243.3700 | email: jeff.m.jancek@saic.com

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