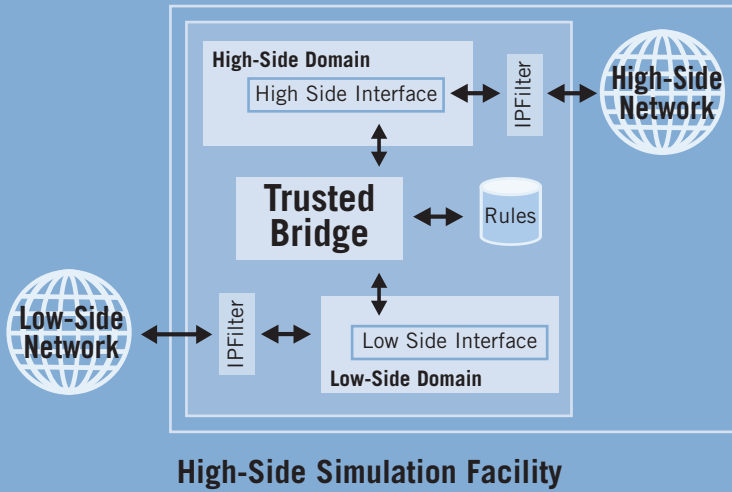


## Distributed Training Network Guard



### BENEFITS

- Enables interoperability between previously discrete simulation activities
- Provides fully automated, predictable, controlled and audited two-way communication of simulation events across security domains
- Increases simulation staff productivity
- Facilitates realistic data filtering and modification
- Supports near real-time simulations, including radio traffic, with best-in-class performance
- Supports complex simulation with an enabling architecture
- Enables site security personnel ruleset generation

Trusted Computer Solutions (TCS) Distributed Training Network Guard (DTNG) permits secure connectivity between highly classified simulators and the rest of the simulation community.

### The Simulation Community

Today, warfighter simulators operate in controlled domains and cannot communicate with other simulators without the risk of accidentally disclosing sensitive data. In many cases the result is that the warfighters are isolated from other members of the simulation community, limiting the effectiveness of the training exercise. Isolation means that warfighters cannot participate in simulation exercises that mimic multiple sensitivity levels inherent in daily real-world operations.

### TCS Distributed Training Network Guard

DTNG is a cross-domain solution that allows distributed simulation networks, using the High-level Architecture (HLA) interface specification and operating under different security classifications, to communicate. DTNG uses plug-in libraries to provide security filtering and object reclassification. This design simplifies reaccreditations, as only the library must be revalidated upon changes to the Federation Object Model (FOM) used by the participating simulations.

DTNG works with multiple runtime infrastructures (RTI), which are software implementations of the HLA Interface Specification. The RTI provides common communication services to simulation within a federation.

### DTNG Value

**Secure:** DTNG is built on TCS SecureOffice® Foundation™, a proven and accredited technology that supports secure information sharing. Furthermore, DTNG filters or modifies sensitive data in arbitrary ways to meet classification guide regulations and the needs of the training community.

**Simulation Compatible:** DTNG can work with the RTIs and FOMs used by different federations. To simulators in the high and low federations, DTNG is transparent. No configuration of the simulators is required, reducing complexity, compatibility issues and certification requirements.

**Near Real Time:** DTNG provides best-in-class data throughput from one domain to another, making it capable of supporting most near real time simulations, including accurate and immediate voice communication.

**Ruleset Generation:** Within DTNG, the Security Reclassification Rule Set Intelligent Assistant Tool (SRRSIAT) provides an easy-to-use graphical user interface (GUI) that permits security classification and simulation domain experts to enter and review reclassification rules that govern the transfer of data and operations across security boundaries. Once approved, the administrator can install guard rules into DTNG in a matter of minutes.