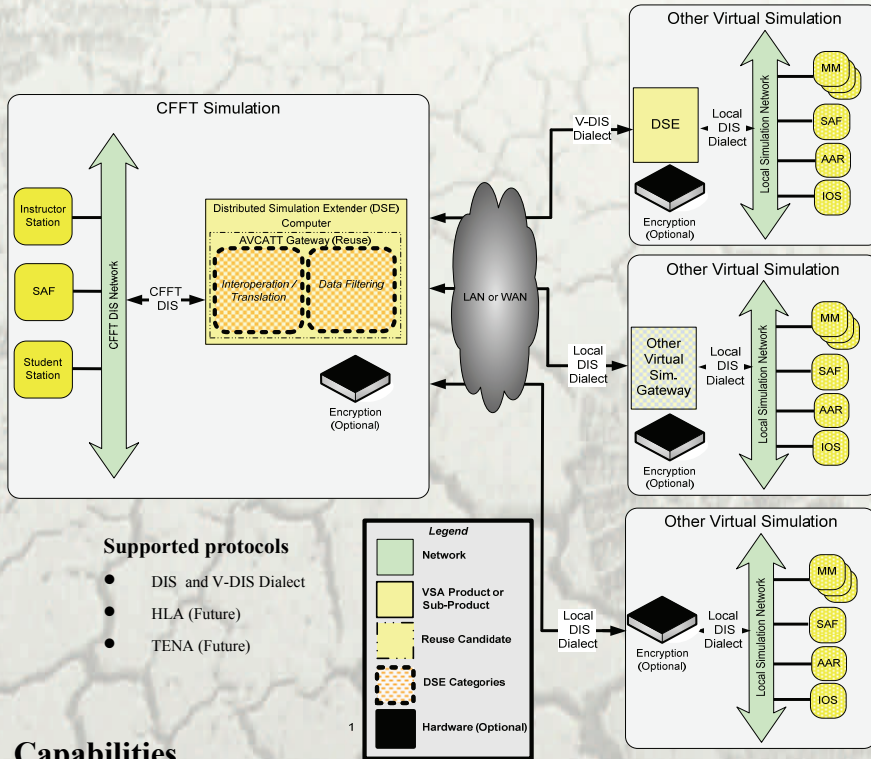




LHNI CVC Fact Sheet

Long Haul Networking Interoperability



Supported protocols

- DIS and V-DIS Dialect
- HLA (Future)
- TENA (Future)

Capabilities

- Provides interoperability between virtual simulation systems
- Provides a single gateway solution for the virtual domain
- Provides the capability to have multiple simulation sites participating in the same exercise
- Simplifies transmission of simulation network protocols between simulation sites
- Increases bandwidth efficiency between geographically distributed simulations
- Provides filtering of data to reduce bandwidth
- Provides optional secure communications between sites via NIAP approved encryption devices
- Supports Secret level and Sensitive But Unclassified (SBU) level
- Supports DIS PDU bundling for transmitted network traffic

Reuse Options

- Operates as a stand alone product
- Support full replacement for existing simulation specific systems
- Support integration into existing architectures

Distribution Process

Software distribution of products shall be made by the PM CATT Post Production Software Support (PPSS) Lab, upon receipt and approval of the request that was made through the SE Core portal.

Benefits

- Supports interoperability with DIS protocol and multiple DIS dialects concurrently
- Communicates with gateways of existing simulation systems
- Pre-loaded simulation system enumerations types
- Numerous translation options for systems using DIS v4 and DIS v6 dialects, mappings between v4 and v6
- Support for IFF PDUs, enumeration changes, field changes
- Data filtering options in scenarios for distance exercises
- Status connection health with other simulations participating in the exercise
- User friendly GUI for easy configuration
- Provides secure communications of network traffic through NIAP approved encryption products

Adopter

- CFFT (1st Adopter)
- AVCATT
- Iowa National Guard

Potential Future Adopters

- CCTT
- Stryker
- VCCT L/R

Documentation

- Component Contract includes:
- Requirements Specifications
 - SDD
 - Interface Definition
 - Build Procedures
 - Install Procedures
 - Runtime Procedures
 - Training Material
 - User Manual

- **Easy to adopt and integrate**
- **Leverages proven product (AVCATT Gateway)**
- **Virtual's solution to support the future of large scale LVC interoperability exercises**
- **Minimize LCC while providing added capability to warfighter training**