

DLI

Bridging the gap between the Live, Virtual and Constructive worlds.

Direct Link Interface (DLI)

Direct Link Interface (DLI) is a hardware and software solution for customers with a requirement to interface operational data link terminals and live participants, with virtual or constructive participants in a simulated, virtual world.

DATA-LINK TRANSLATION

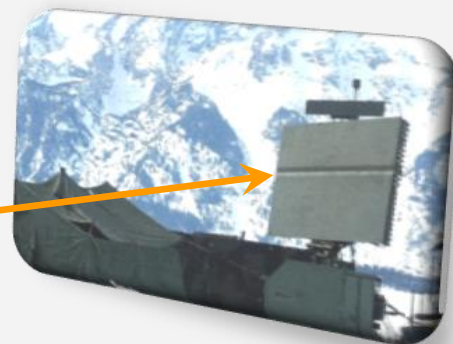
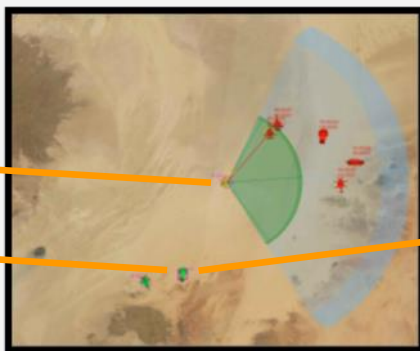
The PLEXSYS Direct Link Interface (DLI) uses high speed processing to assimilate, and translate data link messages on the fly bi-directionally. This allows our customers to use actual “mission use” hardware even while participating in a virtual exercise environment. Simply put, on the live side of a mixed environment training venue, DLI provides a data source that mission hardware perceives as live data, while at the same time, receives and translates data from mission hardware for distribution to virtual consumers. This provides simplified path for platform hardware configuration management while providing a flexible training venue.

HIGHLIGHTS


- Flexible protocol translation tool that allows dissimilar platforms to exchange data without modification.
- Provides simulators & real-world operational systems the ability to exchange multiple message formats across networks in real time.
- Single DLI application can be set up to exchange data-link information on behalf of numerous clients, each with different data-link message exchange requirements.
- DLI can reside on a desk top or laptop computer allowing for flexibility of configuration.
- Windows based application, providing ease of use to the operator.
- Share simulated data link with a JRE, MSCT, ADSI or any Common Operational Picture display in a JREAP-C format.

INTERFACES & PROTOCOLS SUPPORTED

- SIMPLE Link-16
- SIMPLE Link-11
- JREAP-C
- MIL-STD 1553
- DIS (SISO-J)
- SIMPLE DIS Ed. 2



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