

KNOWIT DATAUNIT

InCS Gateway™ – tactical datalink interoperability gateway

InCS Gateway is an easy way to enable legacy C3 systems to participate in tactical data link networks utilizing link standards not implemented in the legacy C3 system.

InCS Gateway provides seamless interoperability among participating units within a tactical network where participants are not all equipped with the same tactical link or the same version of a tactical data link. InCS Gateway makes it possible to exchange common elements and messages between different links or link versions and provides a solution where previously the networks would just not work.

UPGRADING A TACTICAL DATA LINK

As tactical data links evolve there is a requirement to keep existing C3 systems up to date with new links or evolved link standards. Newer links or versions of link standards are not always backwards compatible, C3 systems using older standards may

not be able to participate as networks start to use the newer standards. Upgrading existing C3 systems can be both time consuming as well as very expensive.

THE INCS GATEWAY SOLUTION

InCS Gateway provides a solution to the problems mentioned above. The gateway allows an existing C3 system to continue to use an older link or link standard while at the same time almost seamlessly convert messages to other links or link standards. This means existing C3 system can participate in upgraded tactical data link networks without having to upgrade the C3 system.

There can, of course, arise conversion requirements where the old C3 system implementation is not sufficient to handle new messages or data. In that case the tailored Gateway implementation will help as an informed choice of how to handle the missing data will be made when implementing the gateway.

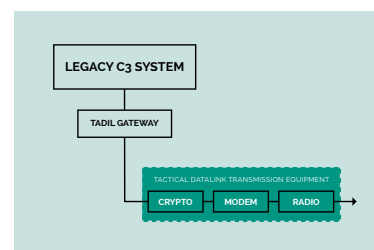
SEAMLESS AND SIMPLE INTEGRATION

InCS Gateway is interfaced between the C3 system and the data link transmission equipment.

The C3 system is not affected by this integration in the slightest, it continues with business as usual and the link standard upgrade is seamlessly performed by InCS Gateway. The gateway can handle a single link or multiple links as required.

SIMPLE OR EXTENDED INSTALLATION

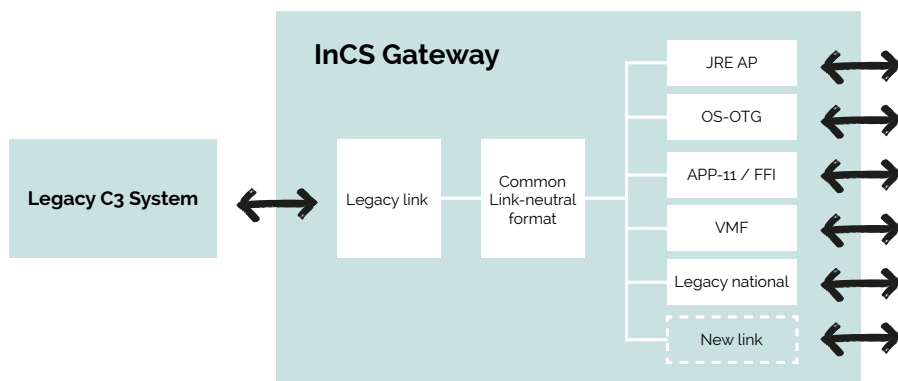
An installation can be tailored to customer requirements. This means the installation can range from a single »black box« that lacks user interface and in essence only requires a power switch to start working. Other installations can be made more competent and complex where the gateway can connect to multiple networks using different or similar link standards and fulfil different roles i.e. link concentrator.



InCS Gateway interfaced to a legacy C3 system to provide interoperability with upgraded link standards.

FUTURE PROOF

The InCS Gateway can be upgraded with entirely new links or new versions of existing links at a later stage. This provides a flexible solution that can extend and future proof existing C3 systems as required.



Enabling interoperability where format fragmentation would otherwise render communication impossible.

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