



TCG HUNTR™

Translation Gateway for Multiple Tactical Data Links *Data Links Simplified*

TDL Hub and Network Translator

Curtiss-Wright's TCG HUNTR tactical data link (TDL) Hub and Network Translator is an intelligent translation gateway for multiple TDLs. It includes patent-pending forwarding technology and is the only TDL gateway on the market that addresses all of the technical challenges and usability issues that have plagued legacy TDL gateways.

The extreme simplicity and automation of TCG HUNTR gives military organizations exactly what they need — fast and easy access to relevant TDL data at the tactical edge of the battlefield and other military environments with minimal personnel, minimal training, and almost no expertise required.

TCG HUNTR supports automatic routing, forwarding, and translation of Link 16 J-Series, VMF K-Series, Cursor on Target, and CESMO messages. TCG HUNTR also automates processing and translation of multiple, simultaneous Digitally-Aided Close Air Support (DACAS) missions between ground JTAC kits equipped with VMF or CoT radios and air/land/sea Link 16 assets. TCG HUNTR automatically converts VMF 9-lines into multiple Link 16 messages and automatically updates and maintains Link 16 PPLI and surveillance tracks and command and control (C2) messages. With push-button start up and fully automated TDL, including radio configuration setting management, TCG HUNTR is fully operational within seconds with no expert input required. The clear and easy-to-understand graphical user interface hides complexity and presents pertinent mission information in a highly visible and simplified way. With support for a wide variety of link types, including Link 16, VMF, CoT, CESMO, GPS, SADL, JREAP, Serial-J, and Socket-J, TCG HUNTR provides up-to-date and accurate contextual translations of relevant link data that take bandwidth limitations into account rather than awkward and cumbersome word-by-word translations that can consume high amounts of bandwidth and result in information overload.

Key Features

- Multilink tactical gateway
- Link 16, JREAP, SADL, VMF, CoT, CESMO
- Intuitive operator interface
- DACAS, SA, and C2
- Automatic translation and routing

Applications

- Airborne, land, sea-based tactical gateway
- Expanded situational awareness from multiple tactical data links
- Cross-link TDL support

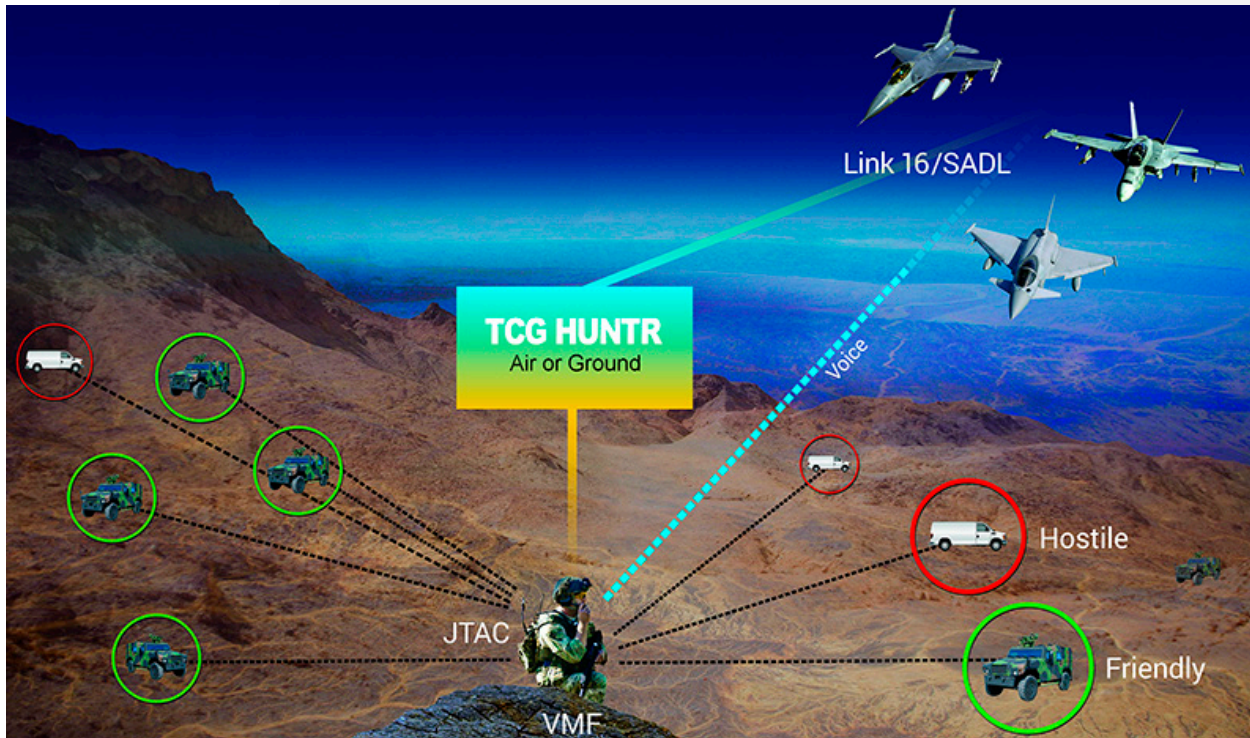


Figure 1: Example usage of the TCG HUNTR gateway

Specifications

Link 16

- J message MIL-STD-6016 C, D, E, F, G
- MIL-STD-6020 Data Forwarding
- JREAP-A and JREAP-C MIL-STD-3011
- Geographic and data-specific filtering
- SADL/EPLRS
- Serial-J

VMF

- K message MIL-STD-6017 A, B
- MIL-STD-2045-47001 B, C, D CN1
- MIL-STD-188-220 C, D CN1
- ECP-1, ECP-2, ECP-5, ECP-11
- UDP over IP and IP waveforms
- Automatic multi-stack management
- Multi-Channel support

Cursor on Target (CoT)

- CoT v2.0 schema including platform-specific enhancements
- UDP Multicast, Unicast, and Smartphone CoT Server mode (multi-unicast)
- Any radio, tablet, or smartphone that supports IP transmission/reception of CoT messages

Cooperative ESM Operations (CESMO)

- GESMO AEDP-13
- UDP over IP and IP waveforms
- MIL-STD-188-220 C, D CN1

Supported Radios and Kits

- Link 16 Terminals
 - MIDS LVT-1
 - MIDS LVT-2
 - MIDS LVT-3
 - MIDS JTRS
 - TacNet Tactical Radio (TTR)

- Viasat MOJO
- Viasat BATS-D (AN/PRC-161)
- Viasat Small Tactical Terminal (STT)
- SADL EPLRS and SADL MicroLite
 - Gateway and Generic Host modes
- Falcon III
 - AN/PRC-117, AN/PRC-152, AN/PRC-158
- ARC-210
- Combat Net Radio (CNR) and radios that support IP waveforms
- THSv2, A-PASS, ATAK, WINTAK, KILSWITCH, and more

Additional Support

- Harris SA
- TSM

Ordering Information

Contact Curtiss-Wright for ordering information.

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