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SNC TRAX®

Enabling Combat-Proven, Multi-Networked Tactical Solutions

SNC Tactical Radio Application Extension (TRAX) software is an integrated Air/Ground tool that allows operators to route data between incompatible hardware and software applications. Our product implements coded waveforms for bi-directional translation, providing digital interoperability across the battlespace.

snc TRAX
Tactical Radio Application Extension

SUMMARY

SNC's Tactical Radio Application eXtension, SNC TRAX software was developed to support Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance and Reconnaissance (C5ISR) missions at the strategic, operational and tactical levels. SNC TRAX provides a combined air-maritime-ground common operating system, leveraging MIL-STD and commercial open-based standards. Designed for the non-traditional Tactical Data Link (TDL) user, our product allows for the ease-of-use required at the tactical edge, but is powerful enough to provide the full Command and Control (C2) capabilities of a command center. The SNC TRAX user interface requires limited training to operate with no additional hardware needed to support. Our system has been proven in the hands of tactical operators in operations centers, ground vehicles, air and sea platforms worldwide.

BENEFITS

- Cross Platform Application – Windows, Android, Linux, etc.
- Backwards compatible with legacy systems
- Open architecture API/ICD eliminates proprietary
- Interfaces/protocols; allows for rapid integration & development
- Built-In communication matrix routes/translates data from one data-link to another with single button selection
- Intuitive configuration & minimal setup
- Auto-Start available for all connections after configuration
- All functions & capabilities created by & for tactical users (Sensor Operators, Ground Forces, Operations Centers, etc.)

21 Data Protocols & Growing

125+ Capabilities

7K Instances Across the Globe

60+ Disparate Systems Integrated

FUNCTIONS

Link-16 Host
- MIL-STD 6016F Ch1
- MIDS LVT 1,2 Variances – Platform A, D, I, J
- MIDS JTRS – Platform A
- Small Tactical Terminal
- TacNet
- BATS-D

Joint Range Extension Applications Protocol
- MIL-STD 3011
- JREAP A – SATCOM & JREAP C - IP

Situational Awareness Data Link (SADL)
- MIL-STD 6016F Ch1
- Air-to-Air
- Gateway Master/Player

Variable Message Format (VMF)
- MIL-STD 6017 A, B, C, D, D Ch1
- Limited 6017 A+
- DACAS Message Set

Keyhole Markup Language (KML)
- Google Earth

Key-Length-Value (KLV)
- Meta-Data Extraction

Cursor on Target
- MITRE 2.0 Enhanced Messaging
- Silvus
- MPU 4/5
- TW400, 850, 950
- PRC-163
- TAK (Server, WinTAK, ATAK)

Forwarding (Gateway)
- MIL-STD 6020
- Message Translator

Additional
- Open Mission Network Interface (OMNI), Common Data
- Video Trans-coding (H.264, H.265, VP9)
- Dynamic Adaptive Streaming over HTTP (MPEG-DASH)
- RPS-42 Radar
- CCFLIR & CM202 Controls
- Open Application Platform Interface (API)
- Common Information Database
- Integrated Broadcast System (IBS)
- Object Model

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