



Homeland Security Tactical Integration System

Interoperability from the tactical edge and back

- Real-time field-proven tactical picture that integrates air, ground and marine assets
- Disseminates information being fused in operations centers
- Supports both classified and unclassified information
- Bridges and relays disparate radio communications via VoIP/RoIP
- Beyond-Line-of-Sight (BLOS) range extension for voice and tactical data communication

Ultra Electronics' Homeland Security Tactical Integration (HSTI) system enables Department of Homeland Security (DHS) and law enforcement agencies to create a network of integrated systems that can share both real-time and non-real-time intelligence information from the tactical edge and back to operations centers.

The HSTI system combines field-proven, MIL-STD, rugged COTS hardware with the most sophisticated situational awareness software available to integrate:

- USCG and CBP OAM aircraft and vessels
- DHS aircraft
- Military partners (such as Northcom and National Guard)
- Tactical edge nodes (field operators)
- Fixed and mobile operations centers
- Fusion centers

The HSTI system creates a Common Operational Picture (COP) by providing access to the most widely used U.S. and coalition data network for situational awareness, the ability to push tactical communications BLOS, as well as data management and routing services.

The system can also integrate various and disparate radio or communications equipment, including:

- All forms of military grade tactical data links
- Automatic Identification System (AIS) (maritime identification)

- Joint Tactical Radio Services (JTRS)
- Voice over Internet Protocol (VoIP)/ Radio over Internet Protocol (RoIP)
- High-bandwidth IP
- Up/down-link via Common Data Link (CDL), Tactical Targeting Network Technology (TTNT), Highband Networking Waveform (HNW)
- Sensors inputs
- Non-real-time intelligence feeds

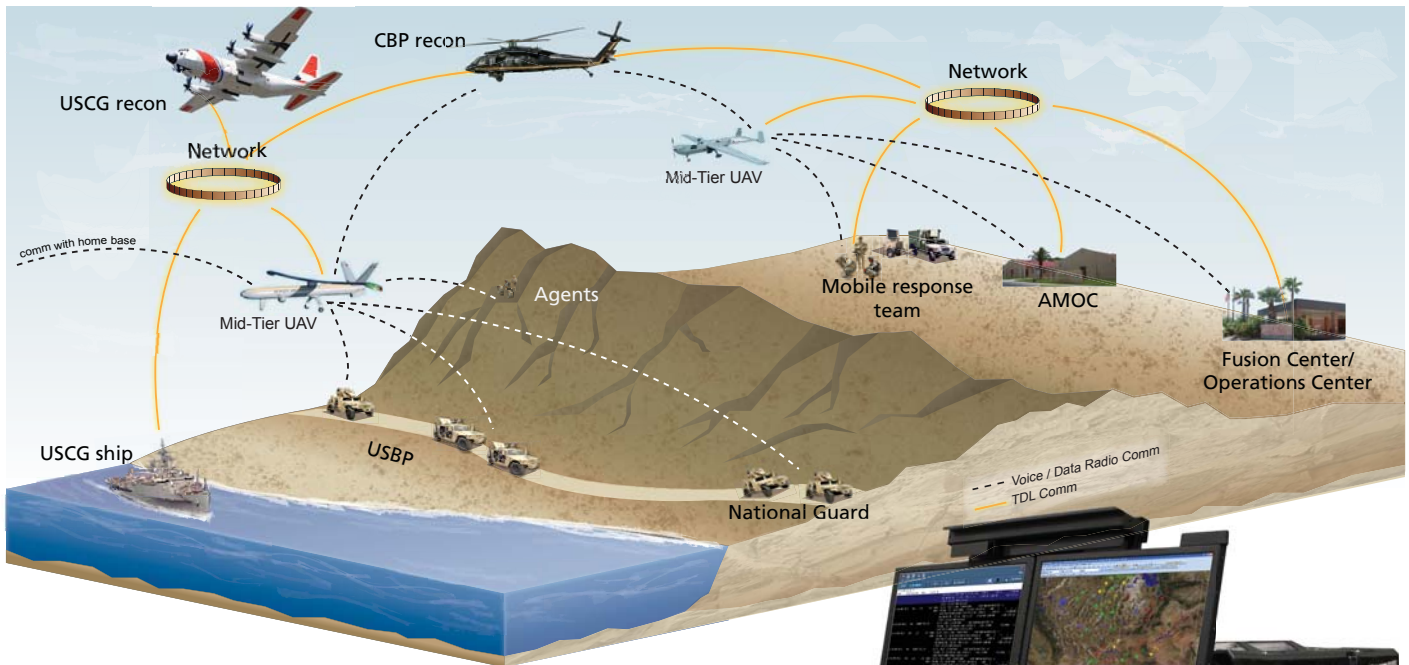
For the last 20 years the U.S. military has relied on Ultra products during every major engagement. Today, Ultra systems are used on aircraft carriers and command ships, in tactical and air operations centers, in airspace integration systems and in joint command centers around the world.

Ultra systems support critical missions by integrating a COP providing command and control of subordinate units and reporting of sensor data.

HSTI system advantages

Simultaneous interconnectivity

The system, which is easily configured and operated, can be tailored to DHS mission requirements whether there are only a few surveillance tracks in the system or a few thousand. The HSTI seamlessly connects the entire network, shown in the following figure, and displays a real-time common operational picture.



Various form factors to meet mission needs

HSTI interoperability is available in various form factors to meet mission requirements: from lightweight to fixed command center modules, HSTI is air, ground and marine capable.



HSTI command center node



Mobile HSTI node



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