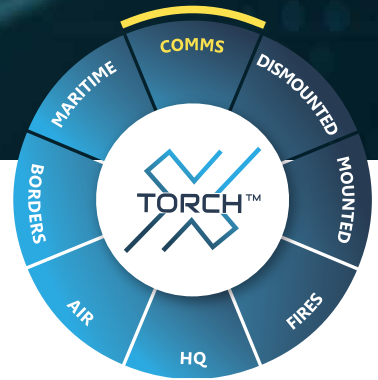
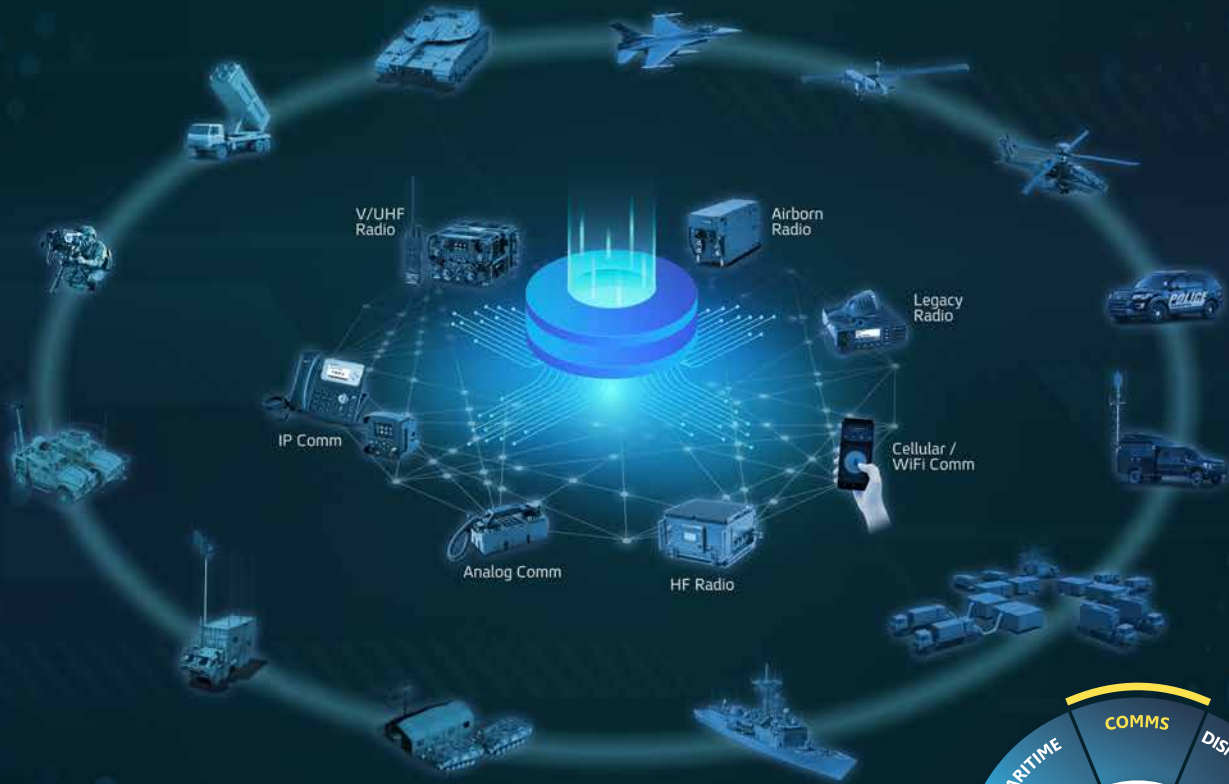


Torch-X™ Comms

Field-proven Integrated RoIP & Collaboration Services





Any-to-Any CONNECTIVITY

Torch-X Comms

Field-proven Integrated RoIP & Collaboration Services

Elbit Systems' Torch-X Comms is an advanced military communication system enabling direct voice and data communication among command posts and front-line forces from any to any type of media. Torch-X Comms facilitates direct communication among a broad range of radios and communication devices including VHF, HF and Multi-Channel radio relays, LAN, WAN, PABX, satellite and cellular networks. Torch-X Comms utilizes advanced VoIP (Voice over IP) and RoIP (Radio over IP) technologies.

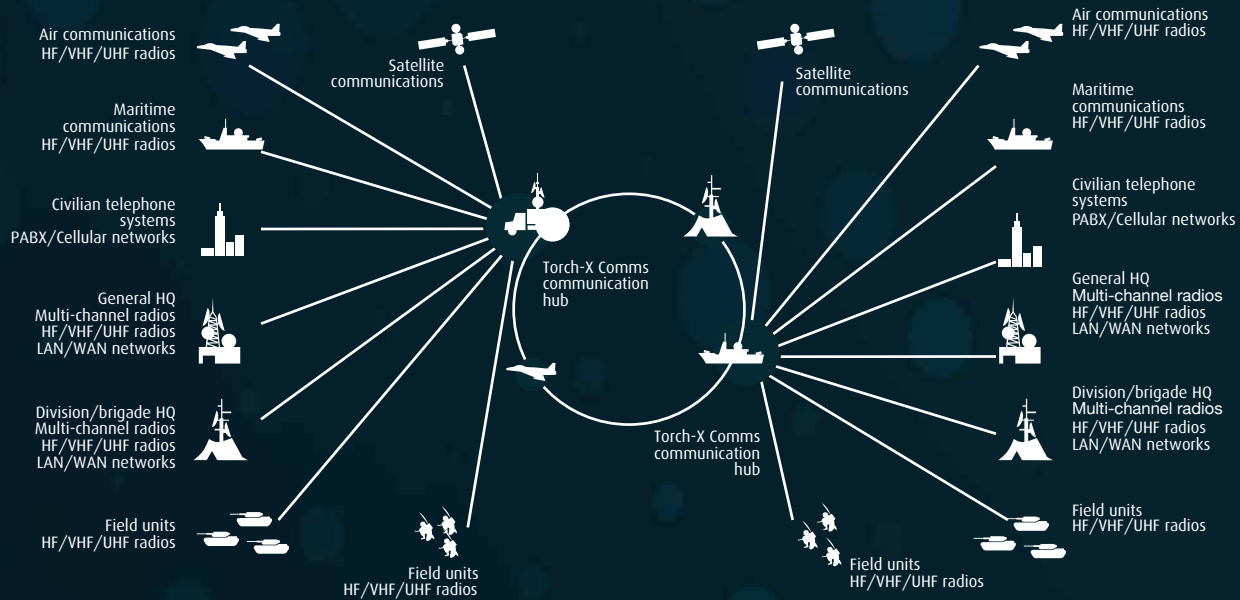
Torch-X Comms enables all echelons, from high-ranking commanders to the individual soldier in the field, to directly communicate with anyone in the military network. The result is a dramatic improvement in both command and control and operational coordination, providing commanders and decision makers with a complete picture of operations and events in real time.

Messages, voice, video, e-mail and other data communications are automatically routed through the optimal communication hub. To establish a connection, all that is required is to key the requested station or enter its subscriber ID.

Torch-X Comms overcomes the slow and cumbersome networks that characterize existing military communications and provides fast, automatic and direct operational connectivity.

Torch-X Comms Building Blocks

- Elbit Systems' CCT (Communications and Control Terminal) / Tactical CCT
- Elbit Systems' NAT (Network Access Terminal) / Tactical NAT
- DTMF / cellular and IP telephones
- Satellite terminals
- Stand-alone radio equipment (HF, VHF, UHF)
- Elbit Systems' TMR (Tactical Multimedia Router for fixed or tactical environments)
- iTalk, iMail and iNMs applications
- VoIP technology and push-to-talk (PTT)
- Audio switching capabilities
- Voice conferencing
- Video and Chat
- Multicast groups management
- Voice relay between radio networks
- Simultaneous operation of multiple radio nets
- Enables full control over radio equipment
- Proven operating interfaces with more than 40 different types of radios worldwide



Services

Voice, data and video communications

- Seamless voice and data communications across all levels of the military network
- Video sessions via broadband networks
- Fast connection by selecting destination name or ID

System management capabilities

Torch-X Comms remote control capabilities enable system administrators to:

- Conduct performance evaluation and built-in tests
- Update configurations
- Program radio parameters
- Manage and distribute encryption and frequency-hopping keys
- Automatic distribution of site data
- Maintain Torch-X Comms communication devices

All Torch-X Comms management functions can be performed from almost any element located within the

system. Various management functions such as distribution of encryption and frequency hopping-keys can be executed automatically or at specified intervals.

Torch-X Comms' automatic communication logs, track and record every communication link made within the system provide military commanders and other decision makers with essential information. These records can be used to investigate a specific operation or event, improve command and control and maximize efficiency.

Torch-X Comms

Field-proven Integrated RoIP & Collaboration Services

Key Benefits

- Integrates the strategic and tactical communication needs of all branches of the military into one seamless system
- Enables user-friendly voice and data services based on a proven and already deployed operational system
- Voice recordings and debriefings
- Integrates the military communication system with other operational networks critical for disaster recovery operations
- Provides maximum communication flexibility, allowing real-time adjustment to meet changing operational scenarios
- Saves resources and equipment by eliminating the need for multiple communication systems
- Maximizes the overall reliability and survivability; each communication hub serves as a backup for every other hub within the Torch-X Comms
- Operates with both modern, legacy and older-model radios
- Allows for gradual and scalable implementation.
- Embeds cutting edge voice and radio IP (VoIP and RoIP) technologies and protocols

Operational Benefits

- Crisis analysis: Emergency procedure development, resource allocation and control
- Common situational awareness and operational language among different forces
- Abnormal activities monitoring
- Record and replay capabilities
- Real-time information sharing: Data, voice and live video
- Battle-proven, secure, and safe



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