

Defense

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Defense

Defense organizations across the world depend heavily on their communications capabilities to successfully complete the mission. Today's battlefield commanders rely on a network of well informed geographically dispersed forces to achieve an information advantage that can then be translated into a competitive warfighting advantage. The success of this net-centric approach to warfare assumes that all participants are able to quickly and securely share the information they have obtained.

Warfighters lives and the lives of those they serve and protect are put at risk when good information is denied them or their commanders because of an avoidable communications break down.

Battlefield communications have been dominated by push-to-talk radio technology since the 1940s. Today, state-of-the-art digital radio systems from a multitude of international suppliers provide ruggedized solutions that meet the tactical requirements of military units around the world. Yet push-to-talk radio is a communications technology that offers few capabilities outside of the one it was designed for.

Unprecedented Innovation and Command Flexibility

For military commanders seeking greater situational awareness on the battlefield, the ability to create a single, secure and highly scalable unified communications environment with more real-time participants promotes rapid information dissemination and informed decision-making. With extensive WAVE-enabled communications, leading Warfighter elements can respond quickly and more effectively to a rapidly changing battlefield space.

Any Network, Every Time

WAVE software addresses a critical need for secure and reliable unified communications between battlefield networks of differing capability and performance. Network managers can quickly configure WAVE to support any network type, enabling full communications interoperability across multicast, unicast and mixed-mode networks while keeping bandwidth requirements to a minimum.

Rapid Communications Setup

For frontline Warfighters who must quickly move from one area of operations to another, the establishment of secure communications capability is always a high priority. When conventional line-of-sight radio systems are unable to meet this requirement, WAVE can transport radio voice traffic across beyond-line-of-sight networks, eliminating the need for retransmission sites.

Highly Cost-Effective

Force commanders must enable their forces in the most cost-effective way. WAVE communications technology leverages software to deliver conferencing, recording and radio bridging functionality at a fraction of the cost of expensive and proprietary hardware solutions.

Interoperability with Civilian Agencies

During heightened threat levels or when incidents occur, base security and appropriate incident management is put at risk when military radio networks can't communicate easily with civilian first responders and law enforcement agencies. WAVE creates a tightly integrated communications environment, eliminating borders, boundaries and limitations by uniting all communications devices regardless of technology, manufacturer, frequency, or operator.