STAY CONNECTED
ACROSS THE ENTIRE BATTLESPACE

Ground-air
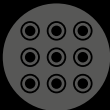communications
ready for any mission

Collins Aerospace

ONE SOURCE FOR
MULTI-DOMAIN NETWORKING

Collins Aerospace's TruNet™ networked communications solution is the first to offer secure, software-defined networking capability between ground and airborne elements. Using advanced networking waveforms, apps, ancillaries and services, TruNet flexes to your unique mission requirements. It provides you with complete control of your networked communications across the entire battlespace.

Stay connected, aware and protected – no matter your mission, location or platform. TruNet offers truly unprecedented capability that's available now.

The TruNet operational difference

More nodes – Quadruple your nodes (as many as 140 or more per network), connecting all your combat elements with high throughput and no increased latency.

Low latency – Less than 300 msec latency in a data multi-hop topology enables your forces to receive mission-critical information sooner to make faster decisions in a quickly changing battlespace environment.

Multi-hop technology – Users can communicate beyond line of sight with TruNet's auto-hopping networks and advanced IP waveforms.

More power – TruNet quadruples the output power for a longer reach. Your forces can engage the network earlier, gaining early tactical situational awareness that can increase their survivability.

True interoperability

TruNet gives your ground and airborne forces the power to network as never before, securely and in real time. Its groundbreaking capability puts seamless interoperability in your arsenal. TruNet enables the secure sharing of critical data, image, voice and video communications across all domains in your battlespace.

Whether your forces are operating alone or with joint or coalition elements, stay connected and aware, no matter their mission, location or platform.

True flexibility

Our airborne and ground series of TruNet software-defined radios are small, light and powerful. Open-architecture design enables third-party hardware to be incorporated into the TruNet network to satisfy customer requirements.

Your developers can easily tailor the system – from a few man-portable software defined radios to a complete ground-air network – to meet your mission needs.

Its robust and reliable radios feature multiple narrowband and wideband waveforms, as well as apps and ancillaries. These features provide maximum flexibility and usability, as well as easy integration with legacy waveforms and continuous readiness for cost-effective technology advancement. TruNet's unique design makes it easy to add communication elements to your network as your battlefield needs change.

True control

Collins Aerospace puts you in complete control. We provide everything you need when it comes to waveforms within the TruNet solution. This includes: porting kits that enable your programmers to easily port mission-unique, legacy, SCA-compliant waveforms across your assets; assistance – as much or as little as you require; technology insertions; and upgrade or maintenance of existing waveforms.

True solutions

Airborne series software-defined radio – Delivers critical, high-speed ad hoc networked communications between fast movers and mobile ground forces using the same basic waveforms and features of the ground series software defined radio.

For the United States, the RT-2036(C) is the one-channel NSA Type 1 encryption version, while the AR-2000 is the two-channel version. The AR-1500 (one channel) uses commercial encryption technology for international and other non-Type 1 installations.

Ground series software-defined radio – Adaptable to offer U.S. and/or country-unique capabilities while conforming to the latest software defined radio tenets and architectures.

The PRC-162(V)1 is the U.S. version; the GR-2500 is the international version. Both offer two-channel operation.

From man-portable to vehicle-mounted, our flexible configurations make TruNet's ground series radios the preferred solution for U.S. and international customers.

True global support

To support our solutions, we continue to invest in and leverage our extensive global infrastructure consisting of repair and supply-chain management, tools to ensure flexible solutions with low life-cycle cost and the broadest geographic reach. Sixty service locations, our 24/7 Network Operations Center and more than 400 field service engineers around the world make our services available where and when you need them.

Experience matters

When lives are on the line, proven performance is everything. For more than 80 years, customers have relied on us to deliver trusted tactical communications. Only Collins has the product depth and experience across ground and air domains to provide a "one-stop," customer tailorable, integrated ground-air network, with all products working together seamlessly.

TruNet ARC-210 RT-2036(C) networked communications airborne radio (one channel)

TruNet AR-1500 networked communications airborne radio (one channel)

TruNet AR-2000 two-channel networking airborne radio

TruNet AN/PRC-162(V)1/GR-2500 two-channel networking ground radio

To learn more, go to
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