



Raytheon delivering WiFi to the front lines

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\$663M IDIQ contract to deliver reliable communications anywhere in the world

DULLES, Va., May 1, 2019 /PRNewswire/ -- Raytheon Company (NYSE: RTN) will deliver new troposcatter communication systems to the U.S. Army as part of a 10-year, indefinite-delivery, indefinite-quantity contract worth up to \$663 million to ensure troops have access to secure voice and data communications in contested environments.



"Soldiers on the front lines can't afford dropped calls," said Dave Wajsgas, president of Raytheon Intelligence, Information and Services. "Our solution, a secure, reliable and wireless troposcatter system, allows troops to communicate in areas that would otherwise be dead zones. Importantly, it also gives the military a way to communicate in satellite-denied environments."

Troposcatter – short for tropospheric scatter – technology uses particles that make up the Earth's atmosphere as a reflector for radio signals. Those signals are aimed just above the horizon in the direction of a receiver station. As they pass through the troposphere, some of the energy is scattered back toward the Earth, allowing the receiver station to pick up the signal. Essentially, it creates a secure communications network without the need for cellular towers or satellites.

In addition to battlefield use, troposcatter systems are ideal for crisis response. One of the key challenges first responders face is a lack of reliable communications after a natural disaster. By deploying a troposcatter system, responders can quickly establish networks even where there's no available power. The systems are easily transportable and can be set up in less than 30 minutes.

"Think about any natural disaster over the last several years; one of the biggest problems is a lack of reliable communications," said Todd Probert, vice president for Raytheon IIS. "A troposcatter system easily can be deployed anywhere in the world and can transfer data at extremely high rates – the equivalent to streaming 10 high-definition videos simultaneously at a range of more than 115 miles."

Raytheon will begin delivering the first units by the end of 2019.

For more information and imagery on Raytheon's troposcatter solutions, please see our [website](#):

About Raytheon

Raytheon Company, with 2018 sales of \$27 billion and 67,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. With a history of innovation spanning 97 years, Raytheon provides state-of-the-art electronics, mission systems integration, C5I™ products and services, sensing, effects and mission support for customers in more than 80 countries [Raytheon](#) is headquartered in Waltham, Massachusetts. Follow us on [Twitter](#).

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