



## Viasat Awarded Two Department of Defense Research Contracts to Help U.S. Warfighters Harness 5G Connectivity on the Battlespace

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CARLSBAD, Calif., Sept. 20, 2021 /PRNewswire/ -- [Viasat Inc.](#) (NASDAQ: VSAT), a global communications company, today announced it received two awards from the U.S. Department of Defense (DoD) through the Information Warfare Research Project (IWRP) to conduct research that will examine the use and implementation of 5G networks on the battlespace. These awards are part of the DoD \$600M 5G research initiative announced last year, to explore how 5G technology can strengthen warfighting capabilities.

Viasat is working with the DoD to solve complex communications problems across multiple network domains—from satellite to cellular to government specific networking waveforms. Specific to these contracts, Viasat will tap into its 5G wireless, networking and cybersecurity expertise and help the DoD understand how it can best utilize 5G technology to enable multi-domain operations in future joint warfighting programs, including Joint All-Domain Command and Control (JADC2) capabilities.

The awards focus on two areas:

– **Improving Command and Control (C2) applications and services:** Viasat will provide C2 hardware packages that support Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR), networking and cybersecurity software, and integrate those capabilities into tactical networks using 5G to improve visibility across the battlespace. Viasat will also explore how 5G connectivity can support bandwidth-intensive applications (e.g. ISR mapping), be leveraged to share real-time situational awareness information and be used to provide resilient cloud access to the battlefield.

– **5G enhanced network deployment for Agile Combat Employment (ACE) operations in contested environments:** Viasat will look at rapid configuration and deployment of secure 5G nodes at the tactical edge that could be required when operating in unknown battlezones. Viasat's research will focus on understanding of configurations and capabilities for enterprise orchestration and management (how to route network data); tactical network dimensioning and planning (how to optimize network/RF planning tools); and Low Probability of Intercept/Low Probability of Detection (LPI/LPD) capabilities (how to prevent adversaries from finding the network).

"With 5G networks spreading globally and adversaries investing heavily in this capability, it is critical for the U.S. and its allies to understand and explore the potential of 5G technology in supporting warfighting operations," said Craig Miller, president, Viasat Government Systems. "The rapid transport of information and data across domains is critical to advancing multi-domain operations and enabling joint force operations. Enhanced 5G bandwidth and connectivity for bases and mobile platforms at the tactical edge can offer commanders greater visibility to enhance C2 operations and increase situational awareness for the warfighter."

For these research experiments, which will be conducted over three years, Viasat aims to use its Expeditionary Lightweight Integrated Tactical Edge ([ELITE](#)) Kit solution with a 5G gateway to support the C2 application experiments, as well as its System Integration Lab (SIL) to establish an emulation environment for network dimensioning, planning and radio access network modeling. Additionally, Viasat's [NetAgility](#)™ product will offer the DoD multi-path transport and network management support. Viasat will also create a 5G digital twin model to test rapid network configuration and modification, and utilize 5G millimeter wave and Free Space Optics links to deliver high bandwidth needs.

### About Viasat

Viasat is a global communications company that believes everyone and everything in the world can be connected. For more than 35 years, Viasat has helped shape how consumers, businesses, governments and militaries around the world communicate. Today, the Company is developing the ultimate global communications network to power high-quality, secure, affordable, fast connections to impact people's lives anywhere they are—on the ground, in the air or at sea. To learn more about Viasat, visit: [www.viasat.com](http://www.viasat.com), go to [Viasat's Corporate Blog](#), or follow the Company on social media at: [Facebook](#), [Instagram](#), [LinkedIn](#), [Twitter](#) or [YouTube](#).

### Forward-Looking Statements

This press release contains forward-looking statements that are subject to the safe harbors created under the Securities Act of 1933 and the Securities Exchange Act of 1934. Forward-looking statements include statements about the timing, features, resources and expected benefits of Viasat's involvement with 5G network research and testing for the DoD. Readers are cautioned that actual results could differ materially and adversely from those expressed in any forward-looking statements. Factors that could cause actual results to differ include: risks associated with satellite failures, including the effect of any anomaly, operational failure or degradation in performance; contractual problems, product defects, manufacturing issues or delays, regulatory issues, technologies not being developed according to anticipated schedules, or that do not perform according to expectations; delays in approving U.S. government budgets and cuts in government defense expenditures; and increased competition and other factors affecting the government and defense sectors generally. In addition, please refer to the risk factors contained in Viasat's SEC filings available at [www.sec.gov](http://www.sec.gov), including Viasat's most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q. Readers are cautioned not to place undue reliance on any forward-looking statements, which speak only as of the date on which they are made. Viasat undertakes no obligation to update or revise any forward-looking statements for any reason.

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