



Viasat to Deliver Enhanced Military-Grade Encryption on the First-Ever Link 16-Capable Low Earth Orbit Spacecraft

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CARLSBAD, Calif., June 1, 2021 /PRNewswire/ -- [Viasat Inc.](#) (NASDAQ: VSAT), a global communications company, today announced it will integrate its [In-line Network Encryptor](#) (INE) into the world's first Link 16-capable low earth orbit (LEO) satellite, which Viasat is developing for the U.S. Air Force Research Laboratory Space Vehicles XVI program.

Viasat's INE will be the first crypto deployment on a Link 16-capable LEO satellite, and will provide communications security (COMSEC) and additional enhanced cybersecurity capabilities initially associated with mission data transfer, with future evolutions expected to simultaneously secure user data; telemetry, tracking and command (TT&C) management; and inter-satellite communications—at multiple security levels.

Viasat's INE, which was designed for a very low Size, Weight and Power (SWaP) constrained system, is expected to provide radiation-tolerant network encryption aligned with the LEO space environment and will be capable of supporting speeds exceeding 100 Megabits per second (Mbps) aggregate throughput, which makes it an outstanding encryptor to secure Link 16-to-LEO communications. The INE will also be able to secure the data flow between an unclassified spacecraft bus and the classified processing domain.

"In addition to building and testing the first-ever Link 16-capable LEO satellite prototype, Viasat is also focused on delivering the first high assurance, fully-programmable crypto deployed in space," said Craig Miller, president, Government Systems, Viasat. "Our focus is on revolutionizing space-based cryptographic and cybersecurity solutions by moving away from embedded, fixed single-application ASICs and moving to 'plug and play,' fully-programmable, multi-functional and highly-efficient military-grade cryptos that can be rapidly deployed by supporting commercial off the shelf technology enhancements for small satellites."

Over the past two decades, Viasat's information assurance business has achieved a number of industry milestones. The Company's PSIAM-based rugged, compact Type-1 cryptographic product portfolio already includes a ground-based satellite TT&C crypto (the KS-252)—which is currently deployed in the U.S. Air Force's satellite communications ground station architectures. This crypto is the foundation for providing the same innovative, multi-functional, programmable value proposition to the space segment.

Learn more about Viasat's industry leading portfolio of network encryption devices [here](#).

About Viasat

Viasat is a global communications company that believes everyone and everything in the world can be connected. For 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, 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 Viasat's Link 16-capable LEO spacecraft; and the integration capabilities, features, benefits, and upgradable design of Viasat's INE network encryption device. 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, 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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