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ViaSat Launches High-Speed Ethernet Encryption; First to Protect Content Processing/Distribution at 100 Gbps

ViaSat, U.S. Naval Research Laboratory Demonstrate Long-Haul Encrypted Data Distribution at 100 Gbps at SC15 with ViaSat's First-to-Market Encryption Appliance

CARLSBAD, Calif., Nov. 16, 2015 /PRNewswire/ -- [ViaSat Inc.](#) (NASDAQ: VSAT), a global broadband services and technology company, announced today the availability of the industry's first single-port 100 Gbps encryption device designed to scale from 10 to 40 to 100 Gbps, enabling customers to migrate their security infrastructure, as the demand for more bandwidth grows. The new high-speed Ethernet encryption appliance is part of a larger product family that will be demonstrated this week in Austin, Texas at SC15 (Supercomputer Conference) with the U.S. Naval Research Laboratory (NRL). The demo will showcase the only available solution today that can transmit encrypted data at 100 Gbps across the U.S.

The product family includes the SEC-1170, an Ethernet encryption appliance that scales from 10 to 40 to 100 Gbps; the SEC-1171 and SEC-1160, variants of the SEC-1170; and the SEC-1140V, ViaSat's 1 Gbps virtual network function (VNF) encryption software, which enables enterprise customers to host security on their existing infrastructure as part of their future Network Function Virtualization (NFV) strategy.

Key advantages of the ViaSat high-speed Ethernet encryption family includes:

- **Multiple Bandwidth Profiles:** The SEC-1170 can scale from 10 to 40 to 100 Gbps, which enables enterprises to keep pace with their bandwidth needs without changing their encryption solution.
- **Streamlined Migration:** Enterprises can install and upgrade to higher speeds remotely via software.
- **Lowest Latency:** The new high-speed Ethernet encryption appliance enables three times lower latency as compared to competing Layer 2/3 encryption devices.
- **Interoperability with Latest Networking Technologies:** The product line leverages ViaSat's networking expertise to ensure Metro Ethernet Forum (MEF) and Software Defined Network (SDN) interoperability.
- **Secure Algorithms for Optimal Protection:** ViaSat's encryption technology complies with FIPS 140-2 Level 2+. The AES-256 algorithm provides the best commercially available protection and the integrated key management and authentication provides more flexible keying options.
- **Cryptographic Isolation:** Only ViaSat can support multiple enterprise connections with one appliance, maintaining complete data segregation.
- **Simplicity in Installation, Operation, Maintenance and Management**

"ViaSat's new high-speed Ethernet encryption product family brings decades of ViaSat experience and technical innovation in protecting classified government information to the commercial security product market," said Jerry Goodwin, chief operating officer, Government Systems Division, ViaSat. "Our first-to-market high-speed encryption device gives organizations that transmit sensitive intellectual property and business-critical data between sites, a proven encryption technology that is both fast and leverages the latest networking and security features to ensure data in transit will not be intercepted or exploited."

NRL is the corporate research laboratory for the U.S. Navy and Marine Corps, and conducts a broad program of scientific research, technology and advanced development. NRL has served the Navy and the nation for over 90 years and continues to meet the complex technological challenges of today's world.

Demo Description at SC15

ViaSat and NRL are the first to demo a secure 100 Gbps SDN using Layer 2 MACsec. The demo will send encrypted traffic over 2,500 miles in the U.S. over a SDN using a 100 Gbps channel.

About ViaSat

ViaSat, Inc. (NASDAQ: [VSAT](#)) keeps the world connected. As a global broadband services and technology company, ViaSat ensures consumers, businesses, governments and military personnel have communications access - anywhere - whether on the ground or in-flight. The Company's innovations in designing highest-capacity satellites and secure ground infrastructure and terminal technologies coupled with its international network of managed Wi-Fi hotspots enable ViaSat to deliver a best available network that extends the reach and accessibility of broadband internet service, globally. For more information visit ViaSat at: [www.viasat.com](#), or follow the Company on social media:

[Facebook](#), [Twitter](#), [LinkedIn](#) and [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, among others, statements that refer to the design and development of the high-speed Ethernet encryption appliance and product family, the demo at SC15 and the ability to roll-out new systems without investments in time and resources. Readers are cautioned that actual results could differ materially from those expressed in any forward-looking statements. Factors that could cause actual results to differ include: negative audits by the U.S. government; changes in the global business environment and economic conditions; ViaSat's reliance on U.S. government and commercial contracts, and on a small number of contracts which account for a significant percentage of ViaSat's revenues; changes in relationships with, or the financial condition of, key customers or suppliers; reliance on a limited number of third parties to manufacture and supply ViaSat's products; increased competition and other factors affecting the communications and utility industries generally; the effect of adverse regulatory changes on ViaSat's ability to sell products and services; and ViaSat's dependence on a limited number of key employees. 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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