



Viasat Launches Black ICE Software Defined Radio Platform

Aug 2, 2023

New family of innovative, high-performance modem solutions enable the integration of commercial off-the-shelf as well as custom waveforms for low SWaP, secure beyond line-of-sight data communications

CARLSBAD, Calif., Aug. 2, 2023 /PRNewswire/ -- [Viasat Inc.](#) (NASDAQ: VSAT), a global communications company, today announced the launch of its Black ICE Software Defined Radio (SDR) family of modem solutions. The Black ICE SDR modem solutions enable the integration of commercial off-the-shelf and custom waveforms, allowing secure data transmission for mission-critical operations.

With the increasing use of uncrewed Intelligence, Surveillance and Reconnaissance (ISR) operations, combatant commands require a reliable, flexible, secure, low size, weight and power (SWaP) solution that provides consistent communications coverage to support their missions.

The Black ICE SDR product line enables a host of new innovative capabilities via the proven and reliable ELERA L-band and Global Xpress Ka-band networks, augmenting U.S. Government resources for land, sea and air communications worldwide.

Black ICE SDRs are designed to meet high-demand requirements of military users by offering security, flexibility, low form factor and high-performance terminals. The solutions support Xilinx and Intel Field Programmable Gate Array (FPGA) architectures in both L-band and Ka-band, as well as OpenAMIP for antenna management. Additionally, it enables a reduction in SWaP for L-band [LAISR](#) user terminals, further supporting customers' beyond line of sight (BLOS) communications requirements for open architecture, security, low form factor terminals and high performance.

Leveraging the resilient, secure, and easy-to-use ELERA L-band network, Black ICE SDR allows for flexible waveform integration and provides low SWaP solutions that meet challenging user terminal form factor and performance requirements for BLOS communications on crewed and uncrewed platforms, as well as expeditionary Command and Control (C2) operations.

For Ka-band customers, Black ICE can be integrated into standard Global Xpress Ka-band terminals via [G-MODMAN II and Open Platform \(OP\)](#) modem manager technology to enable the addition of a special waveform service. Through the special waveform service, U.S. Government Global Xpress customers will be able to access alternative waveforms to satisfy specific high-demanding mission requirements, such as high data rate and resiliency necessary in congested and contested environments.

More complex waveforms and enhancements are in development and will enter commercial service later in 2023 to offer new features and provide customers more flexibility in addressing evolving mission requirements. Additionally, Black ICE will enable the addition of future enhanced special waveform features so that the service can utilize the capabilities of Viasat's next-generation satellites.

Matt Wissler, Chief Technology Officer at Viasat Government Systems, said, "With the increasing use of beyond line-of-sight communications as part of ISR and C2 missions, U.S. Government customers require a high-performance solution that maximizes platform range and reduces signatures for land, sea and air. The Black ICE SDR platform provides customers with solutions that enable flexible waveform integration and allow them to securely transmit large volumes of data while meeting the SWaP requirements of these platforms.

"We are excited to offer our Black ICE family of modem solutions to our U.S. Government customers. This innovative capability enhances our current service offerings and enables us to prepare new mission-specific solutions that will leverage the capabilities of our next-generation satellites while delivering additional value to the end user," Wissler added.

For more information on the Black ICE SDR solutions, please visit <https://www.inmarsatgov.com/capabilities/black-ice-sdr/>.

About Viasat

Viasat is a global communications company that believes everyone and everything in the world can be connected. With offices in 24 countries around the world, our mission shapes how consumers, businesses, governments and militaries around the world communicate and connect. Viasat is developing the ultimate global communications network to power high-quality, reliable, secure, affordable, fast connections to positively impact people's lives anywhere they are—on the ground, in the air or at sea, while building a sustainable future in space. On May 30, 2023, Viasat completed its acquisition of Inmarsat, combining the teams, technologies and resources of the two companies to create a new global communications partner. Learn more at www.viasat.com, the [Viasat News Room](#) or follow us on [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 features, expected benefits and performance of the Black Ice SDR family of solutions, and the timing and performance of future waveforms and enhancements. 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: 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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