



## ViaSat Award Continues Widespread Adoption of MD-1366 EBEM Modems Featuring Open-Standard FDMA Waveform

### Follow on contract includes Ethernet switch baseband interface for interoperability

CARLSBAD, Calif., Feb 04, 2010 /PRNewswire via COMTEX News Network/ -- ViaSat (Nasdaq: VSAT) has received additional orders for its MD-1366 EBEM modems including the Ethernet Service Expansion Module (ESEM) baseband interface. To create and standardize on more efficient, open-standards-based modem waveforms, the Defense Information Systems Agency, U.S. Army, and U.S. Navy initiated the program to create the MD-1366 EBEM and selected ViaSat to develop and produce it. The MD-1366 helps the Department of Defense and NATO fulfill new policy for interoperable, efficient IP communications over DoD-owned satellites. The value of the follow-on orders totals \$1.4 million.

(Logo: <http://www.newscom.com/cgi-bin/prnh/20091216/VIASATLOGO>)

"This order continues the adoption of the government's latest Frequency Division Multiple Access (FDMA) satellite communications waveform standard in the form of the MD-1366 EBEM," said Phil Chacon, business director for ViaSat C4I satcom. "The MD-1366 enables interoperability, bandwidth-on-demand efficiencies, and competitive equipment procurement."

The MD-1366 EBEM is the DoD approved, open-standards based FDMA modem (per DoDI 4630.09), promoting DoD-wide FDMA waveform interoperability as well as offering other sophisticated capabilities:

- The ESEM plug-in interface enables Ethernet baseband data (10/100/1000 BaseT) interoperability among [DoD FDMA modems](#) by concurrently transmitting Internet Protocol (IPv4 or IPv6) Ethernet baseband traffic as well as non-IP data flows.
- The ESEM together with the Information Throughput Adaptation (ITA) and Radio Aware Routing features of the [MD-1366](#) move users beyond the traditional "fixed channel data rate" environment of FDMA communications to automatically maximize data throughput. When environmental conditions deteriorate, the modem switches to a more robust modulation and coding scheme to maintain the connection.
- ITA and Radio Aware Routing can provide more than a 100% improvement in data throughput in traditional [fixed-channel military satellite communication](#) environments where a 3 to 4 dB link margin is typical.

ViaSat has delivered over 3,500 MD-1366 EBEM modems to the DoD. The modem replaces legacy and proprietary serial modems, such as the DMD2050 and BEM7650, and has become the most widely adopted FDMA modem since the OM-73.

For more information or to purchase the EBEM, email [gov.satcom@viasat.com](mailto:gov.satcom@viasat.com).

### About ViaSat ([www.viasat.com](http://www.viasat.com))

ViaSat produces innovative satellite and other digital communication products that enable fast, secure, and efficient communications to virtually any location. The company provides networking products and managed network services for enterprise IP applications; is a key supplier of network-centric military communications and encryption technologies and products to the U.S. government; is the primary technology partner for gateway and customer-premises equipment for consumer and mobile satellite broadband services; and owns WildBlue, the premier Ka-band satellite broadband service provider. ViaSat also offers design capabilities and a number of complementary products including monolithic microwave integrated circuits and modules, DVB-S2 satellite communication components, video data link systems, data acceleration and compression, and mobile satellite antenna systems. ViaSat is based in Carlsbad, CA, has major locations in Duluth, GA, Germantown, MD (Comsat Laboratories), and Greenwood Village, CO (WildBlue), along with additional field offices and service centers worldwide.

### Safe Harbor Statement

Portions of this release, particularly statements about the performance of the ViaSat EBEM modem and ESEM product, may contain forward-looking statements regarding future events and are subject to risks and uncertainties. ViaSat wishes to caution you that there are some factors that could cause actual results to differ materially, including but not limited to: 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; and increased competition and other factors affecting the wireless communications and secure networking industry generally. In addition, please refer to the risk factors contained in

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