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Yahsat Orders Hughes JUPITER System with DVB-S2X to Enhance and Expand Services on Y1B Satellite

New DVB-S2X standard yields greater bandwidth efficiency, guaranteed QoS and performance

ABU DHABI, United Arab Emirates, Jan. 4, 2017 /PRNewswire/ -- Hughes Network Systems, LLC (HUGHES), the world's leading provider of broadband satellite solutions and services, today announced that UAE-based satellite operator Al Yah Satellite Communications Company (Yahsat) is implementing the latest version of the Hughes JUPITER™ System, incorporating the new DVB-S2X air interface standard, which will refresh and expand the services delivered over its Y1B Ka-band satellite.

Yahsat's satellite broadband service YahClick serves consumers, businesses and governments in the Middle East, Africa and Central and South West Asia. Upgrading its JUPITER satellite broadband system with DVB-S2X will yield more scalable bandwidth while enhancing performance across all of its service categories. Yahsat's service partners will gain capabilities such as virtual network operator (VNO) access while utilizing existing integrated OSS/BSS and service delivery infrastructure via cloud services.

"The demand for more services and higher performance is growing in all markets," said Marcus Vilaca, chief technical officer at Yahsat. "Maximizing bandwidth is a high priority across all of our segments as it provides cost-effective solutions to our service partners and end-users. The JUPITER System gives us the highest level of bandwidth efficiency on the market today."

The JUPITER System will also power services over Yahsat's third satellite, Al Yah 3, a new High Throughput Satellite (HTS), which is due to launch in early 2017 and will extend the company's presence in Africa to 19 countries and Brazil.

DVB-S2X support and other new features of the JUPITER System, one of the world's most widely deployed satellite Internet platforms, improves operating economics for operators by increasing bandwidth available for sale to customers. DVB-S2X is incorporated in JUPITER's second-generation System on a Chip (SoC-2) and a new family of broadband VSATs (Very Small Aperture Terminals.)

"Even as capacity grows with major HTS satellite launches over the next few years, providers need to use bandwidth as efficiently as possible to meet steadily growing demand," said Dave Jupin, senior vice president, international operations at Hughes Network Systems. "By increasing the amount of scalable and guaranteed serviceable bandwidth on each satellite, JUPITER gives providers the flexibility to offer new services while maintaining top performance."

JUPITER features a flexible and robust gateway architecture with lights-out operation, enhanced IPoS air interface for bandwidth efficiency and performance, and high-throughput terminals. JUPITER enables operators to achieve the highest possible capacity and efficiency for any satellite broadband implementation. The foundational technology is the powerful JUPITER SOC, a custom-designed VLSI (Very Large Scale Integration) processor employing a multi-core architecture and enabling 200 Mbps of throughput on every terminal in the JUPITER family.

About Hughes Network Systems
Hughes Network Systems, LLC (Hughes) is the global leader in satellite broadband for home and office, delivering innovative technology solutions and a comprehensive suite of HughesON™ managed services for enterprises and governments worldwide. HughesNet® is the #1 high-speed satellite Internet service in the marketplace, with offerings to suit every budget. To date, Hughes has shipped more than 5 million systems to customers in over 100 countries, representing approximately 50 percent market share. Its products employ global standards approved by the TIA, ETSI and ITU organizations, including IPoS/DVB-S2, RSM-A, and GMR-1.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations and digital TV solutions. For additional information about Hughes, please visit www.hughes.com.

About EchoStar
EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite and video delivery solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its EchoStar Satellite Services, EchoStar Technologies and Hughes Network Systems business segments. For more information, visit echostar.com. Follow @EchoStar on Twitter.

About Al Yah Satellite Communications Company PrJSC, "Yahsat"
Yahsat provides multipurpose satellite solutions (government and commercial) for broadband, broadcast, government, and communications use across the Middle East, Africa, and Europe in addition to Central and South West Asia. Based in Abu Dhabi, UAE, and wholly owned by Mubadala Development Company , the investment vehicle of the Government of Abu Dhabi, Yahsat is the first company in the Middle East and Africa to offer multi-purpose Ka-band satellite services including:

ı YahClick - Satellite broadband solutions for Consumers, SMEs, and large corporations
ı YahService - Managed solutions and government capacity for governments and corporations
ı YahLink - IP trunking and backhauling solutions for telecom operators, ISPs and corporate networks
ı Yahlive - A joint venture between Yahsat and SES providing broadcasting services to communities across MENA, South West Asia, and Europe

Yahsat's first satellite Y1A was successfully launched in April 2011, and the company's second satellite Y1B was successfully launched in April 2012. Yahsat has announced the manufacturing of its third satellite, Al Yah 3, planned for launch in early 2017, extending their commercial Ka-band coverage to an additional 20 markets reaching 60% of Africa's population and over 95% of Brazil's population, marking the company's first entry in to Brazil.

For more information visit www.yahsat.ae or www.mubadala.ae

To view the original version on PR Newswire, visit:http://www.prnewswire.com/news-releases/yahsat-orders-hughes-jupiter-system-with-dvb-s2x-to-enhance-and-expand-services-on-y1b-satellite-300385383.html

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