Hughes Enhances JUPITER System, the World's Most Advanced Broadband Satellite Platform

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Enhanced Capabilities Include Doubled Throughput, Expanded Mobility Support and Fast HTTPS Browsing

WASHINGTON, March 13, 2018 /PRNewswire/ -- **SATELLITE 2018, Booth 501—**Hughes Network Systems, LLC (Hughes), the global leader in broadband satellite solutions and services, today announced enhancements to its JUPITER™ System across the full spectrum of offerings, including doubling the throughput of HT2xxx terminals to over 200 Mbps, expanded and enhanced support for maritime applications and a Rapid In-route Parsing and Prioritization Scheme for fast HTTPS browsing. The new enhancements also include a significant throughput speed increase for the JUPITER Aero System, which supports over 600 Mbps to each aircraft.



These enhancements further raise the performance and operational advantages of the JUPITER System, the world's most widely deployed High-Throughput Satellite (HTS) platform which is currently deployed on over 20 satellites across the world and powering a wide range of enterprise and consumer services by leading providers. The new in-route access scheme delivers substantial optimization for transactional messages which results in significantly faster browsing of encrypted web pages, as well as higher efficiency for applications such as automated teller, lottery or point of sale. The JUPITER System mobility feature set is now expanded to support maritime applications in addition to the previously announced aeronautical broadband capabilities. Additional features also include high-speed DVB-S2X return channels.

"These enhancements of our flagship JUPITER System further raise the bar in setting the industry standard for satellite broadband networks," said Dave Rehbehn, vice president of international sales and marketing, Hughes. "They validate our ongoing commitment to an ever-growing family of valued operator customers, ensuring that their investment in Hughes technology will gain them a competitive advantage in their markets today and for years to come."

As part of the Hughes mission to bridge the digital divide, these developments offer more capabilities to new markets across the globe. They build on the award-winning feature set of the JUPITER System, addressing the entire spectrum of community, enterprise, backhaul, aero and maritime capabilities.

Launched in 2012, the JUPITER System continues to be the platform of the future today, and on which Hughes will continue to deliver innovations for current and future HTS satellites, including the previously announced EchoStar XXIV/JUPITER 3 ultra-high density satellite, slated to be launched in 2021.

Visit Hughes at SATELLITE 2018 in Booth 501 to learn more.

About Hughes Network Systems

Hughes Network Systems, LLC (HUGHES) is the global leader in broadband satellite technology and services for home and office. Its flagship high-speed satellite Internet service is HughesNet®, the world's largest satellite network with over 1 million residential and business customers across North America and Brazil. For large enterprises and governments, the company's HughesON® managed network services provide complete connectivity solutions employing an optimized mix of satellite and terrestrial technologies. The JUPITER™ System is the world's most widely deployed High-Throughput Satellite (HTS) platform, operating on more than 20 satellites by leading service providers, delivering a wide range of broadband enterprise, mobility and cellular backhaul applications. To date, Hughes has shipped more than 7 million terminals to customers in over 100 countries,

representing approximately 50 percent market share, and its technology is powering broadband services to aircraft around the world.

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. For additional information about Hughes, please visit www.hughes.com and follow @Hughes_Corp on Twitter.

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

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