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## Hughes Releases Second Generation JUPITER System for High-Performance Satellite Broadband Services

### Upgraded System on a Chip and New Family of Broadband Terminals Increase Bandwidth Efficiency and Performance

GERMANTOWN, Md., Sept. 7, 2016 /PRNewswire/ -- [Hughes Network Systems](#), LLC (Hughes), the world's leading provider of broadband satellite solutions and services, today announced the release of the second generation of its JUPITER System, with new capabilities that boost satellite service providers' return on their investments by raising the performance of consumer, business, and mobility applications to new levels.



The new release of JUPITER builds on the established success of the first version as one of the world's most widely deployed satellite networking platforms, and features support of DVB-S2X—the satellite industry's latest approved air interface standard. Incorporating a second-generation System on a Chip (SoC-2) and new family of broadband VSATs (Very Small Aperture Terminals), the JUPITER System yields improved operating economics for satellite service providers, notably through highly efficient allocation of bandwidth available for sale to customers. DVB-S2X is widely recognized as the most bandwidth efficient standard developed for satellite transmissions.

"This new JUPITER System gives service providers a powerful array of tools to put every possible available bandwidth into profitable use," said Ramesh Ramaswamy, senior vice president, International for Hughes. "It has already contributed to the success of HughesNet Brazil's launch and later this year will underpin expansion of HughesNet high-speed satellite Internet service in the U.S. with the launch of the EchoStar XIX satellite. Major global operators, such as Yahsat, are also taking advantage of JUPITER with DVB-S2X support to offer new high-performance plans in their markets."

The new HT2000 family of broadband terminals includes versions for a wide range of markets including consumer, enterprise, trunking, and aeronautical mobility. Designed around the powerful SoC-2, every HT2000 remote terminal supports 200 Mbps of throughput to deliver even the most demanding applications. Hughes has also enhanced the JUPITER System's gateway architecture for improved scalability and performance. Beyond its flexible and robust design featuring lights-out operation, the new release employs extensive virtualization and advanced blade server technology resulting in as much as 10 Gbps of capacity per rack, ideal for operations on High Throughput Satellites (HTS). For conventional satellites, the same architectural approach enables cost-effective operations on up to four satellites in a single blade chassis.

#### About Hughes Network Systems

Hughes Network Systems, LLC (Hughes) is the global leader in satellite broadband for home and office, delivering innovative 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](http://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](http://echostar.com). Follow [@EchoStar](#) on Twitter.

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