



Hughes Innovates Multi-transport Technologies, Demonstrates Hybrid Solutions to Meet Growing Demand for Anywhere, Anytime Connectivity

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Hybrid Satellite-Terrestrial and GEO-NGSO Services will Power the Connected Future

WASHINGTON, March 5, 2020 /PRNewswire/ -- SATELLITE 2020, Booth 1201 – [Hughes Network Systems, LLC](#) (HUGHES), the global leader in broadband satellite networks and services, today announced a new suite of innovations that advance connectivity beyond single-transport services, yielding smart solutions for small business, enterprise, aeronautical, and military applications. New Hughes technologies include multi-transport terminals, satellite roaming capabilities and patented Hughes ActivePath™ technology that dynamically senses and selects the best available transport technology.



"Everyone wants to be connected, everywhere, all the time, and we are innovating the technologies and services that make constant connectivity possible for people, enterprises and things," said Pradman Kaul, president of Hughes. "We are making the connected future possible with innovations that leverage the value of geostationary High-Throughput Satellites (HTS), Non-Geostationary Orbit (NGSO) satellites and terrestrial services, because we need every type of transport to meet the unabating demand for bandwidth."

Multi-transport Terminals

The Hughes HT2000L multi-transport terminal provides connectivity for both satellite and cellular/LTE services, each operating either as the primary network path or as back-up, with automatic failover switching between the two. Designed to enable an integrated and compact Software-Defined Wide Area Network (SD-WAN) solution for high availability across LTE and satellite connectivity, the HT2000L serves network needs for quick-service restaurants, retail petroleum and convenience stores, government offices and the energy sector.

The Hughes HT2000L Multipath Terminal was named [a winner of the TMC Labs INTERNET TELEPHONY Innovation Award](#), and sets the standard for future multi-transport devices.

Satellite System Roaming

In another first, the JUPITER™ System, the Hughes VSAT platform for broadband satellite implementations on land, at sea and in the air, now supports roaming capabilities for aeronautical and maritime mobility applications. Any JUPITER-equipped vessel or aircraft can roam into any other authorized JUPITER-powered system around the world. Moreover, when integrated with antenna control, JUPITER terminals can roam seamlessly between GEO and NGSO satellites, as demonstrated during [a recent test flight](#) which also achieved 265 Mbps of throughput to the aircraft.

Hughes ActivePath™ Technology

Powering multi-transport services requires multi-transport technologies. A proprietary, artificial intelligence (AI)-driven technology, Hughes ActivePath™ automatically classifies customer traffic flows and selects the best mode of transport – such as HTS or LTE – to optimize the transmission. Already in use at nearly 3,000 sites, Hughes ActivePath is blazing a new trail of hybrid solutions that intelligently utilize multiple transports with varying throughputs, latency, data costs and coverage area to improve performance and reliability.

As enterprises, consumers and devices demand more bandwidth, Hughes is developing the multi-transport technologies and hybrid solutions that will make connectivity ubiquitous and seamless. To learn more, visit Hughes at SATELLITE 2020 in booth 1201.

Hughes at SATELLITE 2020: Making the Connected Future Possible

Hughes will exhibit at SATELLITE 2020, March 10-13, at the Walter E. Washington Convention Center in Washington, D.C., showcasing how consumers, businesses, governments and communities around the world benefit from the connected experiences enabled by Hughes technologies and services. See Hughes executives at SATELLITE 2020 for the latest technologies and solutions for GEO HTS and NGSO systems; Community Wi-Fi Hotspots and cellular backhaul; aero and maritime connectivity; military SATCOM; the latest in multi-transport terrestrial-satellite technologies, and more. For further information, please visit www.hughes.com/sat20

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 1.4 million residential and business customers across the Americas. 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 40 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 of all types 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 [@HughesConnects](https://twitter.com/HughesConnects) 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](https://twitter.com/EchoStar) on Twitter.

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