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## **Hughes Introduces New Technology that Delivers End-to-End Quality of Service and Better Application Performance over Broadband**

### **Enterprises Can Now Enjoy the Benefits of MPLS over Cost-Effective Broadband Networks**

GERMANTOWN, Md., Nov. 13, 2012 /PRNewswire/ -- Hughes Network Systems, LLC (HUGHES), the global leader in broadband satellite networks and services, and a leading provider of managed network services, today announced the availability of its new HS1200 optimization appliance that transforms "best-efforts" broadband solutions into enterprise-grade WANs, delivering powerful Quality of Service (QoS) and superior application performance.

(Logo: <http://photos.prnewswire.com/prnh/20110112/NE29456LOGO> )

The HS1200 is ideal for companies in industries with many branch locations, such as retail, hospitality, restaurants and banking, that want to enjoy the benefits of running all their voice and data applications on a single converged network. It works seamlessly in networks using Cisco® or Fortinet® routers, giving companies the ability to run real-time applications such as voice and video over broadband WANs without having to invest in expensive MPLS.

"Enterprises are experiencing unprecedented growth in remote branch traffic, often exceeding the WAN's capacity to deliver consistent performance across all applications," said Robert Mason, managing vice president, Gartner. "Interest in new cloud services and the growth of real-time voice and video applications demand that whatever WAN solution is chosen, it must support true end-to-end QoS and enough bandwidth to deliver the performance required."

The HS1200 incorporates Hughes ActiveQoS™ and Hughes ActiveCompression™ technologies which address the two key performance issues facing broadband WANs — lack of QoS and poor application performance due to inherent network variability. ActiveQoS monitors and classifies applications in real-time, ensuring that voice or other critical applications are delivered with high quality despite variable broadband performance. Concurrently, ActiveCompression maximizes application bandwidth through a patent-pending approach that dynamically chooses the optimal compression based on the traffic type. ActiveCompression creates additional "virtual bandwidth" at each location, reducing bandwidth utilization by up to 99%. On a fully loaded circuit it delivers up to 500 times faster Web performance and up to 50 times faster thin client performance for applications such as remote desktop. As a result, companies enjoy better application performance without costly bandwidth upgrades.

"The HS1200 with ActiveQoS and ActiveCompression helps to mitigate the inherent network variability of broadband networks, such as latency, jitter and congestion," said Sampath Ramaswami, senior director of strategic planning at Hughes. "It enables distributed enterprises to combine separate voice and data networks into one cost-effective converged network."

For more information and to view a briefing on the HS1200, please click [here](#).

### **About Hughes Network Systems**

Hughes Network Systems, LLC (Hughes) is the world's leading provider of satellite broadband for home and office, delivering innovative network technologies, managed services and solutions for enterprises and governments globally. 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 2.8 million systems to customers in over 100 countries, representing over 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).

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