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## Hughes ActiveQoS™ Technology Enhancements Accelerate Cloud Applications and 4G Network Performance

**Part of HughesON™ Managed Solutions, Powering Enterprise-Wide Networks  
See Hughes at Interop booth #650**

GERMANTOWN, Md., March 31, 2014 /PRNewswire/ -- [Hughes Network Systems](#), LLC (Hughes) today announced at Interop 2014 two new enhancements to its *ActiveQoS*™ optimization technology that significantly improve network performance for cloud applications and 4G wireless connectivity. Part of the comprehensive suite of HughesON Managed Network Solutions and embedded in the high-security Hughes 4x00 family of Branch Gateways, these enhancements deliver true end-to-end QoS over commonly available and affordable broadband.



### Cloud Acceleration

Enterprises are finding their existing wide-area network may not be up to the challenge of supporting new bandwidth intensive cloud applications from the branch—such as Guest WiFi and SaaS, which can easily overwhelm an existing MPLS network with T1 access. An ideal solution is to supplement the existing network with a broadband secondary network.

The latest Hughes *ActiveQoS* technology enhancements significantly accelerate the performance of broadband networks, whether primary or supplemental. Built into the Hughes 4x00 series Branch Gateways as part of the comprehensive suite of HughesON Managed Solutions, *ActiveQoS* automatically classifies and prioritizes applications based on their traffic flow characteristics—for example, prioritizing a point of sale transaction over a file backup. The result is true end-to-end quality of service (QoS) for direct-to-net flows, even those utilizing SSL encryption. Unlike typical split-tunnel implementations, Hughes *ActiveQoS* technology ensures that key cloud applications are not impacted by lower priority Internet traffic from the branch.

### 4G Acceleration

Though many multi-branch organizations are considering 4G LTE due to the advantages of quick deployment and high-bandwidth applications, they are often stymied by numerous challenges—including network variability, usage based billing, and the fact that standard QoS implementations cannot track available 4G bandwidth. Hughes has addressed these limitations by an enhancement to Hughes *ActiveQoS* which provides real-time tracking of available 4G bandwidth, thereby ensuring end-to-end QoS for better application performance. Working in tandem with *ActiveQoS*, Hughes *ActiveCompression*™ provides more "virtual bandwidth" for better performance without costly link connectivity upgrades.

"With enhanced *ActiveQoS* technology built-in, our Hughes 4x00 Branch Gateways provide distributed enterprises unmatched security while at the same time overcoming the challenges of direct-to-net connectivity and 4G implementations," said Sampath Ramaswami, senior director of Strategic Planning at Hughes. "As a result, distributed enterprises can now take advantage of a more affordable and flexible next-generation WAN that delivers true end-to-end QoS over commonly available broadband, like DSL, cable, and 4G."

The new enhanced Hughes *ActiveQoS* technology accelerating cloud applications and 4G access is available now. To learn more, visit Hughes at Interop 2014 in Las Vegas, booth 650.

### 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 4 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).

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