



July 9, 2014

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

Part of HughesON Managed Network Solutions, New Capabilities Deliver Higher Levels of Service over Broadband

GERMANTOWN, Md., July 9, 2014 /PRNewswire/ -- Hughes Network Systems, LLC (HUGHES), announced two new enhancements to its *ActiveQoS*[™] optimization technology that significantly improve network performance for government cloud applications and 4G wireless connectivity. Part of the comprehensive suite of HughesON[™] Managed Network Solutions, these enhancements deliver government agencies true end-to-end quality of service (QoS) over commonly available broadband.



"In the past, Government field offices have struggled with unreliable, low bandwidth network solutions or were forced to pay for costly T1 lines to access their agency's primary network—that ends now," said Tony Bardo, assistant vice president for [Government Solutions](#) at Hughes. "HughesON makes it possible for rural field offices to access the same cloud applications as their headquarters' counterparts at high speeds—and do it cost-effectively."

Cloud Acceleration

Government agencies are finding their existing wide-area networks (WAN's) may not be up to the challenge of supporting new bandwidth intensive cloud applications. For example, Guest WiFi and Software-as-a-Service (SaaS) offerings can easily overwhelm an existing MPLS network with T1 access. An ideal solution is to supplement the existing network with a secondary broadband network.

The latest Hughes *ActiveQoS* technology enhancements significantly accelerate the performance of broadband networks. 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 emergency data and video over a file backup.

The result is true end-to-end QoS for direct-to-net flows, even those utilizing SSL encryption. Unlike typical split-tunnel implementations, Hughes *ActiveQoS* technology ensures cloud applications are not impacted by lower priority internet traffic.

4G Acceleration

The increasing trend of mobility and BYOD (Bring Your Own Device) initiatives in government has agencies considering the advantages of 4G LTE. However, many agencies often are stymied by numerous practical challenges—including network variability, usage-based billing and the fact that standard QoS implementations cannot track available 4G bandwidth. Hughes has addressed these limitations with 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 upgrades.

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

The new enhanced Hughes *ActiveQoS* technology is available now via [GSA Schedule 70 #GS-35F-0907P](#).

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.

©2014 Hughes Network Systems, LLC, an EchoStar company. Hughes, HughesNet, HughesON, ActiveQoS, and ActiveCompression are trademarks of Hughes Network Systems, LLC.

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

SOURCE Hughes Network Systems, LLC

News Provided by Acquire Media