NEWS RELEASE

NETSCOUT Announces Service Assurance Solution for IP Multicast Services Delivered Over 4G/LTE Mobile Networks

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NETSCOUT delivers continuous monitoring visibility to the delivery of video service using eMBMS

WESTFORD, Mass.--(BUSINESS WIRE)--Jun. 28, 2016-- **NETSCOUT SYSTEMS, INC.** (NASDAQ: NTCT), a market leader in service assurance and cybersecurity solutions, today announced the availability of service assurance visibility for IP multicast video over 4G/LTE mobile networks using enhanced Multimedia Broadcast Multicast Services (eMBMS). NETSCOUT's **nGeniusONE**® Service Assurance platform and **Adaptive Service Intelligence**™ (ASI) technology offers a dedicated service monitor for eMBMS services that enables mobile network operators to proactively monitor and quickly triage service issues on what has become the industry's leading method of efficient live video delivery over mobile IP networks. NETSCOUT will be on hand to discuss this capability at 5G World 2016, London, UK in NETSCOUT's Booth #50.

"Mobile subscribers are increasingly using video to watch content and communicate. Mobile network operators need to provide high-quality viewing experiences and eliminate potential challenges with service quality and delivery, making network performance a mission critical priority for customer satisfaction," said Elisabeth Rainge, vice president, Communications Service Provider Operations at IDC. "IP multicast and eMBMS, in particular, are key technologies for mobile network operators to efficiently deliver multimedia content. Consequently, they require updated visibility tools and strategies."

eMBMS allows mobile service providers to control the distribution of multimedia content to targeted audience areas. Operators have leveraged eMBMS in a number of applications ranging from venue specific broadcast, for

example, within a stadium or arena for providing rich media with multiple camera angles, replays, and related statistics, to regional broadcasts of home team games and local news, to nationwide broadcast of news and major events like the NFL's Super Bowl, the World Cup or the Olympic Games. eMBMS leverages the LTE network to provide an efficient and cost effective solution for mobile network operators to deliver common multimedia content over the existing infrastructure with a flexible sharing of unicast and multicast streams. With the introduction of eMBMS, operators are faced with new challenges associated with next-generation adaptive bit rate (ABR) video distribution that allows for the further optimization of resources and bandwidth based on the capabilities of the end-user device.

"The delivery of IP multicast over 4G/LTE networks involves a very complex service delivery infrastructure," said Bruce Kelley, Jr., senior vice president and chief technology officer at NETSCOUT. "Service can be impacted at any of a number of key nodes as the video stream traverses the network, encoding platforms and distribution methods. Issues in any one of these key areas can adversely impact the quality of service experienced by the subscriber. To ensure a consistent measure of user experience, NETSCOUT's patented ASI technology provides unique key performance indicators (KPIs) for the service delivery elements and mechanism required for delivery of both eMBMS and next-generation adaptive video. As a result, operators who rely on NETSCOUT now have the tools to consistently measure and report on service performance trending across their networks."

NETSCOUT provides a top-down, service-centric perspective of networks, services, devices and subscribers into a single pane of glass, to address the requirements of multiple operations groups. NETSCOUT's portfolio of products leverages its ASI technology, monitors data and control plane traffic and correlates data, signaling and service-enabler performance metrics to reveal critical interactions and interdependencies that affect service performance.

About NETSCOUT SYSTEMS, INC.

NETSCOUT SYSTEMS, INC. (NASDAQ: NTCT) is a market leader in real-time service assurance and cybersecurity solutions for today's most demanding service provider, enterprise and government networks. NETSCOUT's Adaptive Service Intelligence (ASI) technology continuously monitors the service delivery environment to identify performance issues and provides insight into network-based security threats, helping teams to quickly resolve issues that can cause business disruptions or impact user experience. NETSCOUT delivers unmatched service visibility and protects the digital infrastructure that supports our connected world. To learn more, visit **www.netscout.com**.

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