



Contact: Bob Butter, Communications / Office: 412-820-1347/ bbutter@tollgrade.com

**TOLLGRADE FEATURES NEXT GENERATION SERVICE ASSURANCE SOLUTIONS
AT BROADBAND WORLD FORUM IN PARIS, SEPTEMBER 7- 9**

PITTSBURGH, September 4, 2009 -- Tollgrade Communications, Inc. (Nasdaq: TLGD) will demonstrate its latest service assurance platform called Stratum™, as well as extensions to the LDU™ family of test nodes which provide loop testing and pre-qualification for broadband services, at the ninth annual Broadband World Forum in Paris. Tollgrade officials will be on hand to demonstrate these latest software and hardware capabilities to European customers at this telecom technology exhibition at Booth #575.

Stratum is being introduced to telecom providers to help integrate new IP-based network testing initiatives with existing platforms, thus providing integrated test analysis across a variety of access technologies. Stratum will support multiple data inputs from a customer's network and test resources, including Tollgrade's existing 4TEL®, Celerity® and LoopCare™ software platforms and test probes, and perform combinational expert system analysis of faults in the access network to enable more effective dispatching of field resources. It is able to monitor and collect embedded performance and measurement data from network equipment, such as DSLAMs, MSANs, OLTs and ONTs; and from customer premises equipment such as DSL modems, Set Top Boxes and Remote Gateways. Stratum is currently being deployed in customer trials in the United States and South America.

LDU 50+™ and LDU 50W™ provide high frequency enhanced testing and higher layer xDSL service testing, respectively, for triple play services served from traditional switched networks, broadband DSLAMs, or IP-based FTTN networks. The LDU 50+ extends test measurements to the VDSL frequency range, while LDU 50W was developed to add DSL services testing to support the needs of customers already deploying the 4TEL and Celerity software platforms. The new LDU 50 products are currently undergoing international field trials.

“Our newest service assurance solutions in software and hardware are focused on improving testing and diagnostic capabilities of a telecom operator's next generation network,” said Chris Barton, Tollgrade's Director of Technical Marketing. “Stratum is the new software solution that enables a fully-integrated test analysis across a range of access technologies. Also, LDU 50+ and LDU 50W both enhance the testing capabilities of existing systems that are largely embedded in European markets. These advances are cost-effective measures designed to improve customer service response for testing triple play services,” added Barton.

The Broadband World Forum Europe is a technology exhibition and conference that examines the latest broadband technology developments, content, applications, and services with particular relevance to the European market. Industry leaders from global carrier, supplier, software, and enterprise segments will explore and analyze technology developments relating to the ICT industry's value chain, preparing them to develop strategies and business models and make informed decisions on monetizing their broadband investments.

About Tollgrade

Tollgrade Communications, Inc. is a leading provider of network service assurance products and services for centralized test systems around the world. Tollgrade designs, engineers, markets and supports centralized test systems, test access and next generation network assurance technologies. Tollgrade's customers range from the top telecom providers, to numerous independent telecom and broadband providers around the world. Tollgrade's network testing, measurement and monitoring solutions support the infrastructure of telecom companies, as well as for power distribution companies. For more information, visit Tollgrade's web site at www.tollgrade.com.

Forward-Looking Statements

The foregoing release contains "forward-looking statements" regarding future events or results within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The Company cautions readers that such "forward-looking statements" are, in fact, predictions that are subject to risks and uncertainties and that actual events or results may differ materially from those anticipated events or results expressed or implied by such forward-looking statements. The Company disclaims any current intention to update its "forward-looking statements," and the estimates and assumptions within them, at any time or for any reason. In particular, the following factors, among others could cause actual results to differ materially from those described in the "forward-looking statements": (a) the inability to complete or possible delays in completing certain research and development efforts that may be required for product release and general availability; and (b) our dependence upon a limited number of third party subcontractors to manufacture certain aspects of the products or third party software providers for the products we sell, including the products which are the subject of this release. Any number of factors that could cause actual events or results to differ materially from those contained in the "forward-looking statements" is included in the Company's filings with the U.S. Securities and Exchange Commission (the "SEC") including, but not limited to, the Company's Form 10-K for the year ended December 31, 2008 and any subsequently filed reports. All documents are also available through the SEC's Electronic Data Gathering Analysis and Retrieval system at www.sec.gov or from the Company's website at www.tollgrade.com.

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