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Lucent Ethernet Routers pass all 170 tests providing service guarantees for business and residential 'triple play' voice, data and video services

CHICAGO and MURRAY HILL, N.J., June 6 /PRNewswire-FirstCall/ -- GLOBALCOMM BOOTH #13015 -- Lucent Technologies today announced that its entire Lucent Ethernet Router family of products (acquired from Riverstone Networks) has received certification for compliance with Metro Ethernet Forum's "MEF 14" specifications for metro Ethernet traffic management. The certification process is designed to evaluate platforms for their ability to support bandwidth management and performance criteria needed to ensure support for Ethernet quality of service (QoS) and service level agreements (SLAs) in business and residential "triple play" voice, data and video services such as IPTV, video on demand, voice over IP and more.

The Lucent platforms successfully passed all 170 tests -- both mandatory and optional -- included in the certification regime, confirming support for three sets of services defined by the Metro Ethernet Forum, including Ethernet Private Line (EPL) Ethernet Virtual Private Line (EVPL) and Ethernet LAN (ELAN) services.

The Lucent Ethernet Routers, including the 1100, 3100, 3200, 8000, 8600, 15800 and 38000 products were tested by Iometrix test laboratory and have been certified to comply with the requirements established in the MEF 14 "Abstract Test Suite for Traffic Management Phase 1. The Lucent Ethernet routers are among the first group of products to receive the MEF 14 certification and were also among the first to receive carrier Ethernet certification compliant with MEF 9 technical specification last year.

The carrier-class Lucent Ethernet Routers together with Lucent's optical, data networking and broadband access products create an efficient, cost-optimized end-to-end architecture for delivering a comprehensive set of services. Service providers can benefit from this integration by extending their service portfolio to include Ethernet Virtual Private Network (VPN) services and by evolving their network infrastructure to a converged service architecture based on the latest carrier Ethernet capabilities and standards.

The Lucent Ethernet Router portfolio delivers scalable, carrier Ethernet solutions from access to core, while optimizing network cost. These Ethernet routers support the most stringent carrier availability requirements enable technology optimization for every point in the network by supporting Ethernet switching, Multiprotocol Label Switching (MPLS), Virtual Private LAN services (VPLS), Hierarchical-VPLS, and providing H-QoS for the delivery of expected user quality of experience for each service in the bundle. For further information about the Lucent Ethernet Router family of products visit: please visit http://www.lucent.com/carrier-ethernet.

Bob Mandeville agrees: ”The Test Plan for Traffic Management developed by Iometrix includes no less than 183 test cases covering EPL, EVPL and E-LAN services and engaging complex policing algorithms applied to the UNI, the EVC and Classes of Service within the EVC. These vendors, in committing to MEF14, have made a major step towards true interoperability of the mechanisms providing service quality of Carrier Ethernet Services. ”.

MEF 14 is a major step towards making Ethernet truly carrier-class. It is unique in that it provides clear specifications-based guidelines for the formulation of SLAs. MEF 14 complements MEF 9 and covers two sets of MEF Service Attributes, namely “Service Performance” and “Bandwidth Profiles”. The first set comprises three Service Performance attributes relating to the Ethernet Virtual Circuits (EVC): Frame delay, Frame delay variation and frame loss ratio. The second set, relating to the User Network Interface (UNI) and following the familiar example of Frame Relay, include four Bandwidth Profile attributes: CIR (Committed Information Rate), CBS (Committed Burst Size), EIR (Excess Information Rate), EBS (Excess Burst Size). Together MEF 9 and MEF 14 cover the complete set of Carrier Ethernet Service Attributes defined in the core definitional technical document MEF 10.

“Now Carrier Ethernet is delivering its promises on Quality of Service in a standardized, independently verified manner,” explains Mark Whalley, co-chair of the MEF Marketing Committee, “For a Service Provider end-customer, MEF 14 certification means confidence that the equipment in the network is capable of providing tightly specified SLA behaviour in terms of assured bandwidth and application responsiveness. With the explosion in VoIP usage and the promise of IPTV and other bandwidth hungry and delay- sensitive services, Carrier Ethernet must deliver Quality of Service to maintain its momentum as one of the fastest growing sectors in our industry.”