INFORMATION

New DSL Forum Technical Report 101
Enables Seamless Migration from Legacy to Ethernet-based Networks

A new Technical Report has been published by the international DSL Forum, defining the architecture to seamlessly migrate asynchronous transfer mode (ATM) legacy DSL aggregation networks to next generation Ethernet-based networks. Technical Report 101 (TR-101) is a key part of the DSL Forum's expanding portfolio of tools to facilitate multiple service delivery over a range of scaleable broadband access technologies.

TR-101 enables service providers to evolve their DSL access networks to better support faster rate technologies such as ADSL2plus and VDSL2. In parallel, it specifies the architecture to coordinate service rate management and multicast capability in an Ethernet network without affecting existing services that are currently offered. By leveraging TR-101, service providers can develop a multi-service end-to-end architecture to support offerings of new secure value-added consumer and business services such as Internet Protocol Television (IPTV).

The DSL Forum's TR-101 takes advantage of the efficiencies of Ethernet technology. The benefits include reduced access aggregation network and equipment port costs, as well as reduced network bandwidth requirements and improved speed to market of new network elements.

Building on the already approved DSL Forum reports TR-058, TR-059 and TR-092, this newly approved report extends the Quality of Service (QoS) breakthroughs of TR-059, with capabilities defined for the Broadband Network Gateway (BNG) and Access Nodes such as DSLAMs that have Ethernet switching and other networking capabilities. It defines the application of Layer 2 virtual private networks (L2VPNs) and multicast replication at the various nodes as well as its operations, administration and management (OAM).

By providing a venue to collaborate a common set of requirements that can be implemented by the vendor community, the DSL Forum membership has defined a reference with TR-101 for building network elements to meet the needs of the next generation architecture.

"This latest DSL Forum Technical Report is a significant strategic development that will empower the continued roll out of broadband services to the mass market, over a range of access technologies. The industry's adoption of TR-101 will expedite consumer availability of higher speed services that depend on enhanced internet access products that support high bit rate quality services such as IPTV," said Michael Brusca, chairman and president of the DSL Forum.

DSL remains the world's most prevalent broadband access technology, accounting for over 60% of subscribers receiving services. With this latest development, the DSL Forum continues to be recognized as being on the forefront of technical specifications development, so new broadband services can be implemented worldwide.

All DSL Forum TR specifications are available at: http://www.dslforum.org/techwork/treports.shtml.

About the DSL Forum
The DSL Forum is tailoring broadband to meet the needs of the next generation of multi-media services and the online community. By developing new standards and embracing new applications, the Forum works to streamline processes, define specifications and share best practices that set the stage for effective deployments, and explosive global DSL growth. Established in 1994, the DSL Forum is an international industry consortium of over 200 leading service providers, equipment manufacturers and other interested parties. For more information about the DSL Forum, see www.dslforum.org.

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