

Network Disclosure Announcement No. 417

Public Notice of Network Change(s), Pursuant to CFR 47, subsections 51.325 - 51.335.
Qwest's Internet address: <http://www.qwest.com/disclosures>.

CSMA/CD, 10BASE-T CSMA/CD and 100BASE-TX CSMA/CD Local Area Network (LAN) Interfaces for LAN Switching Service (LSS) - UPDATE 10/16/03

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Summary:

This disclosure announces that Token Ring has been grandfathered and updates the contact information.

LSS consists of a customer selectable Ethernet LAN interface provided by Qwest, Ethernet bridging equipment and a network LAN link (unprotected/protected) and/or a remote LAN link located at user locations. Comprehensive connectivity between sites is provided by the Qwest LSS network.

LSS supports both point-to-point and multi-point full duplex connectivity and provides common Ethernet data connections at 10, 45, and 100 Mbps. LSS transparently transports VLAN traffic. Also, LSS-to-ATM connectivity and connectivity between two separate LSS customers (LSS-to-LSS) are available.

**Locations and
Timing of Deployment:**

LSS Service Points are geographic locations, designated by Qwest, as entry points into the Qwest ATM Network. The list of LSS Service Points can be found in the ATM Cell Relay Service Network Disclosure #400 at <http://www.uswest.com/disclosures/netdisclosure400.html>. New LSS Service Points will be added to the ATM Network Disclosure.

Pricing:

Qwest LAN Switching Service will be offered under tariff in the locations identified in the ATM Service Network Disclosure #400.

Interface Requirements:

Technical information about LAN Switching Service is contained in Qwest Communications' Technical Publication #77396, "LAN Switching Service." This reference also identifies the ANSI/IEEE 802.3, 802.3u and 802.5 standards for all applicable interface requirements. If the LSS interface changes in the future, Qwest will issue a revision to this Network Disclosure.

ISO/IEC 8802-3: 1993 [ANSI/IEEE Std 802.3, 1993 Edition], Information technology--Local and metropolitan area networks--Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications.

IEEE Std 802.3u-1995, Supplement to ISO/IEC 8802-3:1993, Local and

Metropolitan Area Networks: Media Access Control (MAC) Parameters, Physical Layer, Medium Attachment Units, and Repeater for 100 Mb/s Operation, Type 100BASE-T (Clauses 21-30).

The 10BASE-T CSMA/CD LAN interface was previously disclosed in Network Disclosure News Announcement #386 - November 26, 1997.

The 100BASE-TX CSMA/CD Lan interface was previously disclosed in Network Disclosure News Announcement #364 - August 15, 1997.

Service Description:

Qwest LSS is a transport service designed to interconnect LAN interfaces between customer designated premises within a Local Access and Transport Area (LATA). LSS provides a specific amount of bandwidth over the Qwest Network to support the inter-connectivity of either CSMA/CD & 10BASE-T LANs (operating at a data rate of 10 Mbit/s), and 100BASE-TX CSMA/CD LANs (operating at data rate of 100 Mbit/s or 45 Mbit/s).

Connectivity between customer designated locations is accomplished by provisioning LSS Network Interfaces (NI) through the Qwest Asynchronous Transfer Mode (ATM) Service (ATM) Network. The NI consists of the electrical interface to the customer, is located at the customer premises and is a function of the service selection. Neither the customer's networking protocol(s) or data is modified by this service, which is passed transparently through the Qwest ATM Network.

Additional Information:

Any customer premises equipment vendor/manufacturer or enhanced services provider desiring additional technical information in conjunction with these interfaces provided by Qwest may contact:

<http://gbmq.qwest.net/gbmq/products/lss/contacts.html>