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June 1, 2006

Beth Salak, Director
Competitive Markets and Enforcement
Florida Public Service Commission
Attn: Tariff Section
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Dear Ms. Salak:

Pursuant to Florida Statute 354.051, attached for filing, with the commission, are the following pages of the General Subscriber Services Tariff, Private Line Services Tariff and Access Services Tariff:

General Subscriber Services Tariff, Private Line Services Tariff and Access Services Tariff

See Attachment A

This filing will introduce several speeds of a new type of Metro Ethernet connection called Virtual Metro Ethernet service (offered at 10, 20, 50, 80, 100, 200, 300, 450, 600, 750 and 900 Mbps) in both the A and E Tariffs. In the B Tariff, new LightGate and SmartRing service interfaces are being introduced to allow Metro Ethernet service to utilize these services as alternate methods of transport. In the E tariff, a new 900 Mbps speed of Premium Metro Ethernet connection is being added.

Acknowledgment, date of receipt, and authority number of this filing are requested.

Your consideration and approval will be appreciated.

Yours very truly,

Jerry D. Hendrix (slg)

Regulatory Vice President
Attachments

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# EXECUTIVE SUMMARY

(FL2006-082)

## Introduction

The purpose of this filing is to make several enhancements to the existing BellSouth Metro Ethernet Service offerings.

## Description/Rationale for Proposed Tariff

### VIRTUAL METRO ETHERNET SERVICE:

This tariff filing will introduce several speeds of a new type of Metro Ethernet connection called Virtual Metro Ethernet service in both the General Subscriber Services Tariff (Section A40) and in the Access Service Tariff (Section E7). A Virtual BellSouth Metro Ethernet Service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service.

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes of Service (CoS) (i.e., Real-Time, Interactive, Business Critical and Best Effort) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service. For each Virtual Connection, the customer's bandwidth will be limited to the fixed speed associated with each CoS level specified in the CoS profile selected for the Virtual Connection.

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection.

A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement.

**PREMIUM METRO ETHERNET SERVICE (900 Mbps):**

This tariff filing will additionally introduce a new 900 Mbps speed Premium Metro Ethernet connection in the Access Services Tariff (Section E7). The existing Metro Ethernet service tariff offers Premium connections at speeds from 10 Mbps thru 500 Mbps, for either fixed or burst mode operations. This new 900 Mbps speed Premium connection is only being offered for fixed mode operations.

**METRO ETHERNET PROVIDED OVER LIGHTGATE SERVICE OR SMARTRING SERVICE:**

This tariff filing also introduces language in the General Subscriber Service tariff to allow Metro Ethernet Service (Section A40) to utilize LightGate service or SmartRing service as alternate transport. New LightGate service and SmartRing interfaces are being introduced in the Private Line Services tariff for specific use in such applications.

## Rvenue Impact

The revenue for these new offerings will cover the costs.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (N)

### A40.13.1 General (N)

A. BellSouth Metro Ethernet Service is a high-speed packet transport that is based on Ethernet transmission parameters. (N)

B. BellSouth Metro Ethernet Service provides various transport capabilities that range from 10 Mbps through 1 Gbps with capabilities for basic, premium~~,~~ ~~and~~ dedicated ***and virtual*** arrangements that may be used to meet individual customer needs. (N)

C. BellSouth Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet Service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3 Specifications. These technical documents may be ordered from: (N)

American National Standards Institute (N)
11 West 42nd Street
New York, New York 10036

D. Technical Reference TR-73632 - Metro Ethernet Interface Specifications may be ordered from: (N)

BellSouth Documentation Service Center (N)
3535 Colonnade Parkway – NW5B
Birmingham, AL 35243

E. BellSouth Metro Ethernet Service, as provided under the provisions of this tariff section, is offered for intraLATA use only. (N)

F. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this and other tariffs of the Company. (N)

G. The rates and charges set forth for BellSouth Metro Ethernet Service provide for the furnishing of service in certain metropolitan areas. In locations where BellSouth Metro Ethernet Service is not available, special construction charges may apply as set forth in Section A5 of this Tariff. (N)

H. For BellSouth Metro Ethernet Service, the Due Date Change Charge, Expedite Request Charge and Cancellation Charge, as defined in A40.9 of this Tariff, are applicable. (N)

### A40.13.2 Regulations (N)

A. Explanation of Terms (N)

1. Metro Ethernet (N)

   Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet Service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards. (N)

2. Local Area Network (LAN) (N)

   LAN is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment. (N)

3. Virtual Local Area Network (VLAN) (N)

   A virtual local area network (VLAN) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN. (N)

~~3.~~***4.*** Basic BellSouth Metro Ethernet Service Connection ~~(N)~~

   Provides 10 Mbps, 100 Mbps and 1 Gbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Basic BellSouth Metro Ethernet Service is a best effort service with service capabilities that are affected by overall traffic on the Basic BellSouth Metro Ethernet Service network and is suitable for data transmission only. (N)

   A Basic BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Basic BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area. (N)

   A Basic BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Basic BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges. ~~(N)~~

(N)

**Note 1:** And as alternatively set forth in A40.13.2.C.11. following.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (N)

### A40.13.2 Regulations (Cont'd) (N)

A. Explanation of Terms (Cont'd) (N)

~~4~~5. Premium BellSouth Metro Ethernet Service Connection (N)

Provides 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps 250 Mbps and 500 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Premium BellSouth Metro Ethernet Service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability. (N)

Premium BellSouth Metro Ethernet Service provides customers capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet Service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet Service locations. (N)

Premium BellSouth Metro Ethernet Service Connections are available with "Fixed" and "Burst" capabilities. With the Fixed arrangement, Premium BellSouth Metro Ethernet Service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet Service network. With the Burst arrangement, Premium BellSouth Metro Ethernet Service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps. (N)

A Premium BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area. (N)

Premium BellSouth Metro Ethernet Service Connection provides data channel transport that connects a customer ~~*premise*~~ ***premises***[1] ***that*** are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Premium BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges. (N)

~~5~~6. Dedicated BellSouth Metro Ethernet Service Connection (N)

Provides 100 Mbps and 1 Gbps point-to-point Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. A Dedicated BellSouth Metro Ethernet Service Connection operating at any of these speeds is only capable of interconnecting with one other Dedicated BellSouth Metro Ethernet Service Connection in the same metropolitan area. (N)

A Dedicated BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Dedicated BellSouth Metro Ethernet Service Connection. Customer locations greater than 10 miles from the Dedicated BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges. (N)

~~6. BellSouth Metro Ethernet Service Additional Mileage Charges~~ (N)

~~Additional mileage charges associated with a BellSouth Metro Ethernet Service Connection apply when the total distance from the customer premises to the BellSouth Metro Ethernet Service wire center associated with the service serving the customer's premises is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service. Fractions of miles will be considered as a whole mile.~~ (N)

~~BellSouth Metro Ethernet Service Additional Mileage Charges apply to Basic, Premium and Dedicated BellSouth Metro Ethernet Service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet Service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band.~~ (N)

**Note 1:** And as alternatively set forth in A40.13.2.C.11. following. (N)

Material previously appearing on this page now appears on page(s) 38.1 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

A. Explanation of Terms (Cont'd)

7. Virtual BellSouth Metro Ethernet Service Connection (N)

Provides 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service. (N)

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes of Service (CoS) (i.e., Real-Time, Interactive, Business Critical and Best Effort as described in (13) following) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service. (N)

For each Virtual Connection, the customer's bandwidth will be limited to the fixed speed associated with each CoS level specified in the CoS profile selected for the Virtual Connection. (N)

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area. (N)

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Virtual BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the Virtual BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges. (N)

***8.*** BellSouth Metro Ethernet Service Additional Mileage Charges (M)(T)

Additional mileage charges associated with a BellSouth Metro Ethernet Service Connection apply when the total distance from the customer premises[1] to the BellSouth Metro Ethernet Service wire center associated with the service serving the customer's premises[1] is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service. Fractions of miles will be considered as a whole mile. (M)(T)

BellSouth Metro Ethernet Service Additional Mileage Charges apply to Basic, Premium**,** Dedicated ***and Virtual*** BellSouth Metro Ethernet Service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet Service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band. (M)(C)

**Note 1:** And as alternatively set forth in A40.13.2.C.12. following. (N)

Material appearing on this page previously appeared on page(s) 38 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

~~7.~~*9.* Metro Ethernet Customer Network (T)

A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the BellSouth core network. ***Premium*** Connections that include the Q-Forwarding optional feature ***and Virtual Connections that include the VLAN Aggregation optional feature*** may be part of more than one Metro Ethernet Customer Network. (C)

~~8.~~*10.* Priority Plus (T)

Customers with Premium BellSouth Metro Ethernet Service, as an optional feature, may order the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher-priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet Service connections within that Metro Ethernet Customer Network.

~~9.~~*11.* Q-Forwarding (T)

Customers with a Premium BellSouth Metro Ethernet Service Arrangement may order the Q-Forwarding feature. Q-Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple remote customer locations. This aggregated traffic can be transported back to a central location and across a common ***Premium*** Metro Ethernet Service interface. Q-Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures.~~.~~ (T)

With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network. (N)

The Q-Forwarding Service ***Establishment*** Charge is a charge to provision a Premium ***Metro Ethernet Connection***~~connection~~ with the Q-Forwarding feature and identify it as the host connection or the "aggregator" connection. (T)

The Q-Forwarding Network Assignment Charge is a charge to provision any remote Premium ***Connection***~~connection~~ to the Q-Forwarding host "aggregator" connection. The Q-Forwarding Network Assignment Charge applies for each remote Metro Ethernet Customer Network (VLAN) connected to the Q-Forwarding host "aggregator" connection. (T)

~~10. Reconfiguration ***Changes***~~ (C)

~~***A customer*** request to ***modify*** a BellSouth Metro Ethernet Service connection subsequent to the establishment of the connection ***is considered a reconfiguration change. Nonrecurring charges provided for processing certain reconfiguration changes are the Service Reconfiguration Charge and System Reconfiguration Charge. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the reconfiguration change request and applies as specifically set forth herein in lieu of other BellSouth Metro Ethernet Service nonrecurring charges. Such changes are not treated as disconnects and do not change minimum period requirements.~~ (C)

~~A Service Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required is a minor change that does not involve changing the physical service type‡. The Service Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.b. following for a request to change an existing connection to a different connection that is the same physical service type‡ that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The Service Reconfiguration Charge is also applicable for a request to change an existing Premium connection from fixed mode to burst mode (and vice versa) and for a request to add or delete the Priority Plus feature on an existing Premium connection.~~ (N)

~~A System Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required involves changing to a different physical service type‡ or involves major support system changes. The System Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.a. following for requests to change an existing connection to a different connection that is a different physical service type‡ that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The System Reconfiguration Charge is also applicable to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice versa) and to change the premises powering options from AC power to DC power (or vice versa).~~ (N)

~~11. Metro Ethernet Reporting Charge~~

Material previously appearing on this page now appears on page(s) 39.2 of this section.

~~Customers with Premium Metro Ethernet Service, as an optional feature, may order Metro Ethernet Reporting that provides customers a view into their BellSouth Metro Ethernet Service Network via a Web interface and Security Card. The Metro Ethernet Reporting charge provides Alarm Surveillance, Service Level Agreement Reporting, and Performance Reporting for the various network components that comprise the customer's BellSouth Metro Ethernet Service network. It is only available to customers purchasing Premium BellSouth Metro Ethernet Service and is charged for each Premium Metro Ethernet Service connection.~~

~~**Note 1:** The physical service type/speed of each Metro Ethernet Connection is provided in A40.13.2.C.4. following.~~ (N)

(M)

12. VLAN Aggregation (N)

Customers with a Virtual BellSouth Metro Ethernet Service Arrangement may order the VLAN Aggregation feature. (N) VLAN Aggregation provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple remote customer locations. This aggregated traffic can be transported back to a central location and across a common Virtual Metro Ethernet Service interface. VLAN Aggregation utilizes IEEE 802.1Q VLAN Tagging procedures.

The VLAN Aggregation Service Establishment Charge is a charge to provision a Virtual Metro Ethernet Connection with the VLAN Aggregation feature and identify it as the host connection or the "aggregator" connection. (N)

The VLAN Aggregation Network Assignment Charge is a charge to provision any remote Virtual connection to the VLAN Aggregation host "aggregator" connection. The VLAN Aggregation Network Assignment Charge applies for each remote Metro Ethernet Customer Network (VLAN) connected to the VLAN Aggregation host "aggregator" connection. (N)

Material previously appearing on this page now appears on page(s) 39.2 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

13. Class of Service (CoS) Profile (N)

For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection. (N)

A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement. However, technical limitations exist as discussed in TR-73632 that limit the total number of different CoS profiles that can be utilized in a single Virtual Connection network arrangement. (N)

The CoS and percentage bandwidth selected for a Virtual Connection will define the applications that can be supported and its Quality of Service (QoS) attributes such as traffic priority, latency, packet loss rate, etc. QoS attributes are defined for each CoS. Each Virtual Connection will support Ethernet traffic representing one or more applications and CoS. Virtual Connections support the four following CoS: (N)

- Real-Time[1]: This CoS supports VoIP applications. The Real-Time CoS is supported by a low latency queue. The Low Latency Queuing (LLQ) feature in the Ethernet network is used for support of the Real-Time CoS. (N)
- Interactive[1]: This CoS supports interactive Video applications. The Interactive CoS is policed to a maximum bandwidth. (N)
- Business Critical: This CoS supports mission-critical business data applications. These applications tend to be data specific and may include medical imaging, electronic funds transfer, medical records transfer, etc. (N)
- Best-Effort: This CoS is the default CoS for all other traffic that is not defined as Business Critical, Real-Time or Interactive. Traffic that does not match the other CoS will be mapped as Best Effort. Traffic with the Best Effort CoS will have the lowest priority on the network and will support lower priority data applications, such as email and file transfer protocol (FTP). (N)

Each customer packet from a Virtual Connection will be classified and assigned to a specific CoS by methods identified in TR-73632. (N)

**Note 1:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

***14.*** Reconfiguration Changes (T)(M)

A customer request to modify a BellSouth Metro Ethernet Service connection subsequent to the establishment of the connection is considered a reconfiguration change. Nonrecurring charges provided for processing certain reconfiguration changes are the Service Reconfiguration Charge and System Reconfiguration Charge. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the reconfiguration change request and applies as specifically set forth herein in lieu of other BellSouth Metro Ethernet Service nonrecurring charges. Such changes are not treated as disconnects and do not change minimum period requirements. (M)

A Service Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required is a minor change that does not involve changing the physical service type[1]. The Service Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.b. following for a request to change an existing connection to a different connection that is the same physical service type[1] that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The Service Reconfiguration Charge is also applicable for a request to change an existing Premium connection from fixed mode to burst mode (and vice versa), for a request to add or delete the Priority Plus feature on an existing Premium connection ***and for a request to change the CoS Profile on an existing Virtual connection***. (M)(C)

A System Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required involves changing to a different physical service type[1] or involves major support system changes. The System Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.a. following for requests to change an existing connection to a different connection that is a different physical service type[1] that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The System Reconfiguration Charge is also applicable to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice-versa) and to change the premises powering options from AC power to DC power (or vice-versa). (M)

***15.*** Metro Ethernet Reporting Charge (T)(M)

Customers with Premium ***or Virtual*** Metro Ethernet Service, as an optional feature, may order Metro Ethernet Reporting that provides customers a view into their BellSouth Metro Ethernet Service Network via a Web interface and Security Card. The Metro Ethernet Reporting charge provides Alarm Surveillance, Service Level Agreement Reporting, and Performance Reporting for the various network components that comprise the customer's BellSouth Metro Ethernet Service network. It is only available to customers purchasing Premium ***or Virtual*** BellSouth Metro Ethernet Service and is charged for each Premium ***or Virtual*** Metro Ethernet Service connection. (T)(M)

**Note 1:** The physical service type/speed of each Metro Ethernet Connection is provided in A40.13.2.C.4. following. (M)

Material appearing on this page previously appeared on page(s) 39 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

~~12~~16. Metro Ethernet Reporting Service Establishment Charge (T)

The Service Establishment Charge is a nonrecurring charge that applies per BellSouth Metro Ethernet Service customer account. This service charge covers the initial establishment of the Metro Ethernet Reporting account for each customer. ***A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account.*** (T)

~~13.~~17. Metro Ethernet Reporting Web Interface Charge (T)

All customers purchasing Metro Ethernet Reporting must have a Web Interface. This connection allows the customer to access and monitor their network via the Web. ***Each web interface provides for one concurrent access; additional concurrent accesses will require additional web interfaces.*** The first Web Interface is included in the initial installation of the Metro Ethernet Reporting feature. A monthly charge and a non-recurring charge are applicable for each additional Web Interface connection. (T)(T)

~~14~~18. Metro Ethernet Security Card Charge (T)

A Security Card is required for each Web Interface. ***Each security card can only be used for a single concurrent access and can be associated with only one web interface.*** A Security Card charge will apply for initial and additional cards, or for the issuance of additional cards to replace lost, damaged or expired cards. A nonrecurring charge is applicable per Security Card. (T)

~~15.~~19. ~~**(DELETED)**~~ (D)

~~16.~~Automatic Protection Switching (APS) (N)

Automatic Protection Switching (APS) is an optional feature as described in A40.13.2.C.9. following that provides customers with the option of having data channel survivability through the use of a secondary fiber path that is diverse from the path provided with their primary Metro Ethernet Connection. (N)

20. Service Level Agreements (SLAs) (N)

BellSouth Metro Ethernet Service Customer networks comprised of Premium Connections or Virtual Connections with Metro Ethernet Reporting are provided Service Level Agreements (SLAs) for the Telephone Company's repair and performance commitments for this service. Credits are provided for missed commitments on such service. The specific SLA commitments and credits applicable are set forth in Section A40.13.2.B.6. following for Premium Connections and in Section A40.13.2.B.7. following for Virtual Connections. (N)

**B.** Basis of Offering

1. Suspension of service is not allowed.
2. BellSouth Metro Ethernet Service is available 24 hours per day, 7 days per week, except for preventive maintenance.
3. Obligations of customer and Company
   a. The Company is not responsible for the installation, operation, or maintenance of any equipment provided by the customer.
   b. The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Company.
   c. At the Service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.
   d. Application testing described in A2.5.11 of this Tariff is not available for BellSouth Metro Ethernet Service components and features.
4. The minimum service period for all BellSouth Metro Ethernet Service tariff components is twelve months.

~~5.(DELETED)~~ (D)

~~6~~5. Due to the nature of BellSouth Metro Ethernet Service it will be necessary to perform preventive maintenance and software updates. This will mean that BellSouth Metro Ethernet Service and BellSouth Metro Ethernet Reporting will be unavailable during the period of time when preventive maintenance is being performed. This could result in BellSouth Metro Ethernet Service and BellSouth Metro Ethernet Reporting being unavailable during the period of time between

1:00 AM and 5:00 AM Eastern Time on any given Wednesday or Sunday morning. The Company upon written notice to the customer may adjust the maintenance window.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (N)

### A40.13.2 Regulations (Cont'd) (N)

**B.** Basis of Offering (Cont'd) (N)

~~7~~ 6. Service Level Agreement ***for Premium BellSouth Metro Ethernet Service*** (N)

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for Metro Ethernet Reporting customers. Credits are provided for missed commitments to Premium customers purchasing the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to Metro Ethernet Reporting ***customers with Premium Metro Ethernet Connections. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632.***~~:~~

Repair (N)

- BellSouth Metro Ethernet Service Time-to-Repair[1] (N)
- Repair commitments are measured on a per occurrence basis (N)

Network Service Levels (N)

- BellSouth Metro Ethernet Service Network Availability (N)
- BellSouth Metro Ethernet Service Network Latency (N)
- Network Service Level Commitments are monthly performance measurements (N)

a. SLA Definitions: (N)

BellSouth Metro Ethernet Service Time-To-Repair (N)

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold. (N)

BellSouth Metro Ethernet Service Network Availability (N)

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network are not eligible for the Network Availability SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control. (N)

**Note 1:** SLA not applicable if missed due to LightGate service or SmartRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SmartRing service as alternate transport. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd) (N)

### A40.13.2 Regulations (Cont'd) (N)

**B.** Basis of Offering (Cont'd) (N)

~~7.~~6 Service Level Agreement ***for Premium BellSouth Metro Ethernet Service*** (Cont'd) (N)

a. SLA Definitions: (Cont'd) (N)

BellSouth Metro Ethernet Service Network Latency - (N)

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated by averaging the measured latency within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

b. The Company's Service Level Commitments for BellSouth Metro Ethernet Service are as follows: (N)

- BellSouth Metro Ethernet Service Time-To-Repair - 4 hours (N)
- BellSouth Metro Ethernet Service Network Availability - 99.9% (N)
- BellSouth Metro Ethernet Service Network Latency - 55 milliseconds (N)

c. SLA Restrictions (N)

- The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows: (N)
- A customer must subscribe to the Metro Ethernet Premium Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
- Credits are not provided for partial month service. (N)
- A customer's account must be current to receive a credit. (N)

SLA credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control ***~~can be defined as~~include***, but ***are*** not limited to, the following: (N)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
- labor difficulties, governmental orders, civil commotions, declared National Emergencies, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control, (N)
- the customer's premises equipment, and (N)
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premise. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

(N)

### A40.13.2 Regulations (Cont'd)

(N)

**B.** Basis of Offering (Cont'd)

(N)

6~~7.~~ Service Level Agreement ***for Premium Metro Ethernet Service*** (Cont'd)

(N)

c. SLA Restrictions (Cont'd)

(N)

The customer must request a credit within one calendar month of the Company missing a BellSouth Metro Ethernet Service Level Commitment. ***A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request.*** The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure.

(N)

d. SLA Credits for Metro Ethernet Reporting

(N)

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (1) thru (3) following):

(N)

BellSouth Metro Ethernet Service Time-To-Repair

(N)

0 to 4 hours per incident – No Credit

(N)

Over 4 hours to 24 hours per incident – Credit 3 days MRC

(N)

Each additional 24-hour period, per incident – Credit additional 3 days MRC

(N)

BellSouth Metro Ethernet Service Network Availability – Credit 3 days MRC

(N)

BellSouth Metro Ethernet Service Network Latency – Credit 3 days MRC

(N)

The SLA credit amount will be determined by applying the credits outlined above to the rate elements or total billed revenues specified following. Credits for all SLAs for a calendar month cannot exceed the MRC for the BellSouth Metro Ethernet Service components. Credits are not provided for partial month service.

(N)

(1) BellSouth Metro Ethernet Service Time-To-Repair Credit - The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Multiple trouble tickets on the same day for the same Customer Connection will only be eligible for one time-to-repair credit. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections.

(N)

(2) BellSouth Metro Ethernet Service Network Availability Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Availability SLA.

(N)

(3) BellSouth Metro Ethernet Service Network Latency Credit – The credit will apply for each Metro Ethernet Service Connection that does not meet the latency commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Latency SLA

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual BellSouth Metro Ethernet Service (N)

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for Metro Ethernet Reporting customers. Credits are provided for missed commitments to Virtual customers purchasing the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections. SLAs will be applied on a per Class of Service (CoS) basis for Virtual Connections; traffic representing the different CoS (i.e., Real-Time, Interactive, Business Critical and Best Effort) transported across the same Virtual Connection will have different SLAs. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

Repair (N)

- BellSouth Metro Ethernet Service Time-to-Repair[1] (N)
- Repair commitments are measured on a per occurrence basis for all CoS (N)

Network Service Levels (N)

- BellSouth Metro Ethernet Service Network Availability (N)
- BellSouth Metro Ethernet Service Network Latency[2] (N)
- BellSouth Metro Ethernet Service Network Jitter[2, 3] (N)
- BellSouth Metro Ethernet Service Network Packet Delivery[2] (N)
- Network Service Level Commitments are monthly performance measurements by CoS (N)

a. SLA Definitions: (N)

BellSouth Metro Ethernet Service Time-To-Repair (N)

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection for all CoS. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold. (N)

BellSouth Metro Ethernet Service Network Availability (N)

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time by CoS during a calendar month that the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network (i.e., do not span more than one switch in the core network) are not eligible for the Network Availability SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated by CoS by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control. (N)

**Note 1:** SLA not applicable if missed due to LightGate service or SMARTRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SMARTRing service as alternate transport. (N)

**Note 2:** SLA not applicable for Best Effort CoS. (N)

**Note 3:** SLA not applicable for Business Critical CoS. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

a. SLA Definitions: (Cont'd) (N)

BellSouth Metro Ethernet Service Network Latency - (N)

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA and one will not be provided. (N)

- The Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured latency for each eligible CoS within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

BellSouth Metro Ethernet Service Network Jitter - (N)

- BellSouth Metro Ethernet Service Network Jitter measures the average variability, measured in time (milliseconds) between the actual packet transmission rate and the expected packet transmission rate with the core network for Interactive and Real-Time CoS. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Jitter SLA and one will not be provided. (N)

- The Service Level Commitment will be calculated for the Interactive CoS and Real-Time CoS by averaging the measured jitter of simulated traffic for each of the customer's eligible CoS queue within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

BellSouth Metro Ethernet Service Network Packet Delivery - (N)

- BellSouth Metro Ethernet Service Network Packet Delivery measures the percentage of packets conforming to the committed bandwidth profile that are delivered across the core network, without being dropped or lost as a result of a fault within the Virtual Ethernet network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Packet Delivery SLA and one will not be provided. (N)

- The Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured packet delivery for each eligible CoS within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

b. The Company's Service Level Commitments for Virtual BellSouth Metro Ethernet Service are as follows: (N)

- BellSouth Metro Ethernet Service Time-To-Repair : (N)
  - . Best Effort CoS: 4 hours or less (N)
  - . Business Critical CoS: 4 hours or less (N)
  - . Interactive CoS: 4 hours or less (N)
  - . Real-Time CoS: 4 hours or less (N)

- BellSouth Metro Ethernet Service Network Availability : (N)
  - . Best Effort CoS: 99.500% or greater (N)
  - . Business Critical CoS: 99.995% or greater (N)
  - . Interactive CoS: 99.995% or greater (N)
  - . Real-Time CoS: 99.995% or greater (N)

- BellSouth Metro Ethernet Service Network Latency (one-way) : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: 15 milliseconds or less (N)
  - . Interactive CoS: 5 milliseconds or less (N)
  - . Real-Time CoS: 5 milliseconds or less (N)

- BellSouth Metro Ethernet Service Network Jitter : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: Not Applicable (N)
  - . Interactive CoS: 1 millisecond or less (N)
  - . Real-Time CoS: 1 millisecond or less (N)

- BellSouth Metro Ethernet Service Network Packet Delivery : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: 99.900% or greater (N)
  - . Interactive CoS: 99.950% or greater (N)
  - . Real-Time CoS: 99.995% or greater (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

c. SLA Restrictions (N)

- The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows: (N)
- A customer must subscribe to the Metro Ethernet Virtual Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
- Credits are not provided for partial month service. (N)
- A customer's account must be current to receive a credit. (N)

SLA credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control include, but are not limited to, the following: (N)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
- labor difficulties, governmental orders, civil commotions, declared National Emergencies, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control, (N)
- the customer's premises equipment, and (N)
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premise. (N)

The customer must request a credit within one calendar month of the Company missing a BellSouth Metro Ethernet Service Level Commitment. A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request. The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

d. SLA Credits for Metro Ethernet Reporting (N)

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (1) thru (3) following). A maximum of one credit will be applied monthly per Connection for an SLA not met for any CoS that is supported by the customer's CoS profile (i.e., a maximum of one credit is applicable for an SLA even if missed for multiple CoS). (N)

BellSouth Metro Ethernet Service Time-To-Repair (N)

0 to 4 hours per incident – No Credit (N)

Over 4 hours to 24 hours per incident – Credit 3 days MRC (N)

Each additional 24-hour period, per incident – Credit additional 3 days MRC (N)

BellSouth Metro Ethernet Service Network Availability – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Latency – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Jitter – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Packet Delivery – Credit 3 days MRC (N)

The SLA credit amount will be determined by applying the credits outlined above to the rate elements or total billed revenues specified following. Credits for all SLAs for a calendar month cannot exceed the MRC for the BellSouth Metro Ethernet Service components. Credits are not provided for partial month service. (N)

(1) BellSouth Metro Ethernet Service Time-To-Repair Credit - The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Multiple trouble tickets on the same day for the same Customer Connection will only be eligible for one time-to-repair credit. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. (N)

(2) BellSouth Metro Ethernet Service Network Availability Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. (N)

(3) BellSouth Metro Ethernet Service Network Latency Credit – The credit will apply for each Metro Ethernet Service Connection that does not meet the latency commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Latency SLA (N)

(4) BellSouth Metro Ethernet Service Network Jitter Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the jitter commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Jitter SLA. (N)

(5) BellSouth Metro Ethernet Service Network Packet Delivery Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the packet delivery commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Packet Delivery SLA. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service

1. Rates and charges contained in this Tariff consist of the following elements:
   a. Basic BellSouth Metro Ethernet Service Connection
   b. Premium BellSouth Metro Ethernet Service Connection
   c. Dedicated BellSouth Metro Ethernet Service Connection
   d. Virtual BellSouth Metro Ethernet Service Connection (N)
   ~~d.~~***e.*** BellSouth Metro Ethernet Service Additional Mileage Charges (T)
   ~~e.~~***f.*** Priority Plus (T)
   ~~f.~~***g.*** Q-Forwarding (T)
   h. VLAN Aggregation (N)
   ~~g~~***i.*** Metro Ethernet Reporting (T)
   ***j.*** Class of Service (CoS) Profile (N)
   ~~h.~~***k.*** Automatic Protection Switching (APS) (N)
   ~~i~~***l.*** Service Reconfiguration (T)
   ~~j.~~***m.*** System Reconfiguration (N)
2. All service connection charges for BellSouth Metro Ethernet Service are included in the respective nonrecurring charges specified herein.
3. BellSouth Metro Ethernet Service Connections are provided utilizing various Ethernet equipment configurations referred to herein as "physical service types". The physical service type of each BellSouth Metro Ethernet Connection is provided in the chart in A40.13.2.C.4. following. (N)

   A hierarchy of the various BellSouth Metro Ethernet Service Connections by capability (i.e., dedicated, basic~~,~~ ~~or~~ premium ***or virtual***) and speed is provided in the chart in A40.13.2.C.4. following. This chart provides a higher order of service ranking that is utilized to determine the appropriate nonrecurring charge for reconfiguration requests. (M)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

4. The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (i.e., the BellSouth Metro Ethernet Service hierarchy). (N)

| **Metro Ethernet Connection (Mbps):** | **Physical Service Type:** | **Higher Order of Service (Mbps):** | (N) |
|---|---|---|---|
| - Dedicated 100 | Dedicated I | Basic 1000; Dedicated 1000; Premium[1] 100,-250 ~~or~~ 500;***Virtual 50,80,100,200,300,450,600,750,900*** | (N) |
| - Dedicated 1000 | Dedicated II | Premium[1] 500;***Virtual 450,600,750,900*** | (N) |
| - Basic 10 | Basic I | Basic 100 ,~~or~~ 1000; Premium[1] 10, 20, 50, 100, 250,~~ or~~ 500;***Virtual 10,20,50,80,100,200,300,450,600,750,900*** | (N) |
| - Basic 100 | Basic II | Basic 1000; Premium[1] 100, 250,~~ or~~ 500***; Virtual 80,100,200,300,450,600,750,900*** | (N) |
| - Basic 1000 | Basic III | Premium[1] 500***; Virtual 450,600,750,900*** | (N) |
| - Premium[1] 10 | Premium I | Basic 1000; Premium[1] 20, 50, 100, 250,~~ or~~ 500***; Virtual 10,20,50,8,100,200,300,450,600,750,900*** | (N) |
| - Premium[1] 20 | Premium I | Basic 1000; Premium[1] 50,100, 250 ,~~or~~ 500***; Virtual 20,50,80,100,200,300,450,600,750,900*** | (N) |
| - Premium[1] 50 | Premium I | Premium[1] 100, 250,~~ or~~ 500***; Virtual 50,80,100,200,300,450,600,750,900*** | (N) |
| - Premium[1] 100 | Premium II | Premium[1] 250,~~ or~~ 500***; Virtual 100,200,300,450,600,750,900*** | (N) |
| - Premium[1] 250 | Premium II | Premium[1] 500***; Virtual 300,450,600,750,900*** | (N) |
| - Premium[1] 500 | Premium II | ~~None offered at this time~~***Virtual 450,600,750,900*** | (N) |
| - Virtual 10 | Virtual I | Basic 1000; Premium[1] 20,50,100,250,500; Virtual 20,50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 20 | Virtual I | Basic 1000; Premium[1] 50,100,250,500; Virtual 50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 50 | Virtual I | Basic 1000; Premium[1] 100,250,500; Virtual 80,100,200, 300,450,600,750,900 | (N) |
| - Virtual 80 | Virtual I | Basic 1000; Premium[1] 100,250,500; Virtual 100,200,300,450,600,750,900 | (N) |
| - Virtual 100 | Virtual II | Premium[1] 250,500; Virtual 200,300,450,600,750,900 | (N) |
| - Virtual 200 | Virtual II | Premium[1] 500; Virtual 300,450,600,750,900 | (N) |
| - Virtual 300 | Virtual II | Premium[1] 500; Virtual 450,600,750,900 | (N) |
| - Virtual 450 | Virtual II | Virtual 600,750,900 | (N) |
| - Virtual 600 | Virtual II | Virtual 750,900 | (N) |
| - Virtual 750 | Virtual II | Virtual 900 | (N) |
| - Virtual 900 | Virtual II | None offered at this time | (N) |

Note in the above chart that Dedicated/Basic 1 Gbps services are referred to as Dedicated/Basic 1000 Mbps. (N)

**Note 1:** Fixed Mode or Burst Mode. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

5. Requests by a customer to change from one BellSouth Metro Ethernet Service arrangement to another BellSouth Metro Ethernet Service arrangement will be considered as reconfiguration change requests. Such reconfiguration changes are not treated as disconnects and do not change minimum period requirements. These requests must be for the same customer at the same location, and the service orders to accomplish the reconfiguration change requested must be related together and have no lapse in service. (C)~~(M)~~

   a. A customer request to change an existing BellSouth Metro Ethernet Service arrangement to a new arrangement that is a different physical service type (per the hierarchy chart) is considered a system reconfiguration request. ~~(N)~~

      If the new arrangement requested is a lower order of service, the System Reconfiguration Charge shall apply. ~~(N)~~

      If the new arrangement requested is a higher order of service, nonrecurring charges shall not apply (i.e., the System Reconfiguration Charge is not applicable). ~~(N)~~

   b. A customer request to change an existing BellSouth Metro Ethernet Service arrangement to a new arrangement that is the same physical service type (per the hierarchy chart) is considered a service reconfiguration request. ~~(N)~~

      If the new arrangement requested is a lower order of service, the Service Reconfiguration Charge shall apply. ~~(N)~~

      If the new arrangement requested is a higher order of service, nonrecurring charges shall not apply (i.e., the Service Reconfiguration Charge is not applicable). ~~(N)~~

6. A request to modify an existing BellSouth Metro Ethernet Connection as set forth following does not change the order of service or physical service type from the existing connection. Such a change is not treated as a disconnect, and there will be no change in the minimum period requirements. (N)

   a. A Premium BellSouth Metro Ethernet Connection-Fixed Mode and Premium BellSouth Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same order of service and same physical service type. A Service Reconfiguration Charge is applicable for a customer request to reconfigure a Premium BellSouth Metro Ethernet Connection from Fixed Mode to Burst Mode (at the same speed), or vice versa; this nonrecurring charge is in lieu of the nonrecurring charge for the new connection. (N)

   b. A request to modify the CoS Profile on an existing Virtual BellSouth Metro Ethernet Connection is not considered as a request to change the order of service or physical service type. A Service Reconfiguration Charge is applicable for such a request. ~~(N)~~

~~6~~7. Customers cannot mix BellSouth Metro Ethernet Service and Native Mode LAN Interconnection (NMLI) Services from A40.3 preceding on the same Metro Ethernet Customer Network. ~~(T)~~(M)

~~7~~8. A System Reconfiguration Charge is applicable for a customer request to change the premises powering option (AC power to DC power, or vice versa) or NCTE signaling interface option (optical to electrical, or vice versa) on an existing BellSouth Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements. ~~(C)~~(M)

~~8~~9. Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. ~~(T)~~(M)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

~~9.~~***10.*** Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to a customer with a Basic, ~~or~~ Premium ***or Virtual*** BellSouth Metro Ethernet Service Connection. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (~~N~~)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail-over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs. (~~N~~)

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection). (~~N~~)

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion. (~~N~~)

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes. (~~N~~)

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located). (~~N~~)

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute). (~~N~~)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

C. Provision of Service (Cont'd)

11. Basic, Premium and Virtual BellSouth Metro Ethernet Service Connections of 10 Mbps or higher may alternatively be provided to a customer premises over the customer's LightGate service or SMARTRing service. (N)

The customer is required to purchase the appropriate LightGate service or SMARTRing service BellSouth Metro Ethernet Backbone interfaces that are a bandwidth equal to the bandwidth of the BellSouth Metro Ethernet Service backbone transport that is standard for the specific type and speed of BellSouth Metro Ethernet Service Connection serving that customer premises. (A chart is provided herein which sets forth the backbone bandwidth of each type and speed of BellSouth Metro Ethernet Service Connection.) Standard BellSouth Metro Ethernet Service features are available on such alternative arrangements, with the exception that Automatic Protection Switching is not available. (N)

For such applications using LightGate service or SMARTRing service as alternate transport, the BellSouth Metro Ethernet Service Connection will provide data channel transport to connect the termination of the LightGate service or SMARTRing service at the central office node, to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service Connection (i.e., the central office of the Metro Ethernet Service switch). (N)

When the LightGate service or SMARTRing service central office node is located greater than 10 miles from the BellSouth Metro Ethernet Service wire center, BellSouth Metro Ethernet Service Additional Mileage charges will also be applicable. (N)

| Metro Ethernet Connection | Metro Ethernet Backbone Bandwidth | (N) |
|---|---|---|
| Basic 10 Mbps | 100 Mbps (1 STS-1) | (N) |
| Basic 100 Mbps | 100 Mbps (3 STS-1) | (N) |
| Basic 1000 Mbps | 1000 Mbps | (N) |
| Premium 10, 20, 50 Mbps | 100 Mbps (3 STS-1) | (N) |
| Premium 100, 250, 500 Mbps | 1000 Mbps | (N) |
| Virtual 10, 20, 50, 80 Mbps | 100 Mbps (3 STS-1) | (N) |
| Virtual 100, 200, 300, 450, 600, 750, 900 Mbps | 1000 Mbps | (N) |

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

D. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

1. 10 Mbps Virtual Connection (N)

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|---|
| (a) per connection | $1000.00 | $ 930.00 | $ 700.00 | $ 630.00 | MTEV3 | (N) |
| 2. 20 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1000.00 | 1210.00 | 930.00 | 837.00 | MTEV4 | (N) |
| 3. 50 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1000.00 | 1660.00 | 1290.00 | 1161.00 | MTEV5 | (N) |
| 4. 80 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1000.00 | 1855.00 | 1445.00 | 1301.00 | MTEV6 | (N) |
| 5. 100 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1500.00 | 2050.00 | 1600.00 | 1440.00 | MTEV7 | (N) |
| 6. 200 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1500.00 | 2610.00 | 2050.00 | 1845.00 | MTEV8 | (N) |
| 7. 300 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1500.00 | 2945.00 | 2420.00 | 2178.00 | MTEV9 | (N) |
| 8. 450 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1500.00 | 3540.00 | 2790.00 | 2511.00 | MTEVA | (N) |
| 9. 600 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1750.00 | 4205.00 | 3325.00 | 2993.00 | MTEVB | (N) |
| 10. 750 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 1750.00 | 4900.00 | 3880.00 | 3492.00 | MTEVC | (N) |
| 11. 900 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | 2000.00 | 5345.00 | 4425.00 | 3983.00 | MTEVD | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

~~D~~**E**. BellSouth Metro Ethernet Service Additional Mileage (T)

1. BellSouth Metro Ethernet Service Additional Mileage, (T)
   BellSouth Metro Ethernet Service arrangements greater than 10 through 25 airline miles

| | Monthly Charge | USOC | |
|---|---|---|---|
| (a) per 10 through 99 Mbps Connection | **$370.00** | **MTEMA** | (T) |
| (b) per 100 through 499 Mbps Connection | **460.00** | **MTEMB** | (T) |
| (c) per 500 Mbps through 1 Gbps Connection | **560.00** | **MTEMC** | |

2. BellSouth Metro Ethernet Service Additional Mileage, (T)
   BellSouth Metro Ethernet Service arrangements greater than 25 through 35 airline miles

| | | | |
|---|---|---|---|
| (a) per 10 through 99 Mbps Connection | **620.00** | **MTEME** | (T) |
| (b) per 100 through 499 Mbps Connection | **780.00** | **MTEMF** | (T) |
| (c) per 500 Mbps through 1 Gbps Connection | **930.00** | **MTEMG** | |

3. BellSouth Metro Ethernet Service Additional Mileage, (T)
   BellSouth Metro Ethernet Service arrangements greater than 35 through 50 airline miles

| | | | |
|---|---|---|---|
| (a) per 10 through 99 Mbps Connection | **970.00** | **MTEMJ** | (T) |
| (b) per 100 through 499 Mbps Connection | **1210.00** | **MTEMK** | (T) |
| (c) per 500 Mbps through 1 Gbps Connection | **1460.00** | **MTEML** | |

~~E~~**F**. Priority Plus Feature[1] (D)

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC |
|---|---|---|---|---|---|
| (a) per connection | **$-** | **$125.00** | **$100.00** | **$90.00** | **MTETP** |

~~F~~**G**. Q-Forwarding Feature[1] (D)

1. Q-forwarding Service Establishment Charge
   (a) per connection **500.00** - - - **MTEQF**
2. Q-Forwarding Network Assignment Charge
   (a) per network, per connection - **90.00** **75.00** **70.00** **MTEQN**

H. VLAN Aggregation Feature[2] (N)

1. VLAN Aggregation Service Establishment Charge (N)
   (a) per connection **500.00** - - - **MTEQE** (N)
2. VLAN Aggregation, Network Assignment Charge (N)
   (a) per VLAN, per connection - **90.00** **75.00** **70.00** **MTEQV** (N)

(M)

**Note 1:** Optional feature only available with a Premium Connection. (N)

**Note 2:** Optional feature only available with a Virtual Connection. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

~~G~~I. Metro Ethernet Reporting[1] (T)(~~T~~)

1. Metro Ethernet Reporting Service Establishment Charge

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|---|
| (a) per customer account | **$250.00** | **$-** | **$-** | **$-** | **CNMSE** | |
| 2. Metro Ethernet Reporting Charge | | | | | | |
| (a) per connection | **-** | **14.00** | **10.00** | **8.00** | **CNMME** | |
| 3. Metro Ethernet Web Interface Charge | | | | | | |
| (a) first | **-** | **-** | **-** | **-** | **CNMWF** | (N) |
| (b) each additional | **75.00** | **25.00** | **20.00** | **18.00** | **CNMWE** | (~~T~~) |
| 4. Metro Ethernet Security Card | | | | | | |
| (a) each | **200.00** | **-** | **-** | **-** | **CNMSC** | |
| 5. **(DELETED)** | | | | | | (~~D~~) |

**Note 1:** Optional feature only available with a Premium ***or a Virtual*** Connection. (~~N~~)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

J. Class of Service (CoS) Profile[1] (N)

1. Real-Time CoS[2] (N)

| | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|
| (a) 10% | $ 54.00 | $ 54.00 | $ 54.00 | MTETF | (N) |
| (b) 20% | 108.00 | 108.00 | 108.00 | MTETG | (N) |
| (c) 25% | 135.00 | 135.00 | 135.00 | MTETH | (N) |
| (d) 30% | 162.00 | 162.00 | 162.00 | MTETJ | (N) |
| (e) 35% | 189.00 | 189.00 | 189.00 | MTETK | (N) |
| (f) 40% | 216.00 | 216.00 | 216.00 | MTETL | (N) |
| (g) 50% | 270.00 | 270.00 | 270.00 | MTETM | (N) |
| (h) 70% | 378.00 | 378.00 | 378.00 | MTETO | (N) |

2. Interactive CoS[2] (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 10% | 45.00 | 45.00 | 45.00 | MTEVF | (N) |
| (b) 20% | 90.00 | 90.00 | 90.00 | MTEVG | (N) |
| (c) 25% | 112.00 | 112.00 | 112.00 | MTEVH | (N) |
| (d) 30% | 135.00 | 135.00 | 135.00 | MTEVJ | (N) |
| (e) 35% | 157.00 | 157.00 | 157.00 | MTEVK | (N) |
| (f) 40% | 180.00 | 180.00 | 180.00 | MTEVL | (N) |
| (g) 50% | 225.00 | 225.00 | 225.00 | MTEVM | (N) |

**Note 1**: Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

J. Class of Service (CoS) Profile[1] (Cont'd) (N)

3. Business Critical CoS (N)

| | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|
| (a) 10% | $ 27.00 | $ 27.00 | $ 27.00 | MTEPF | (N) |
| (b) 20% | 54.00 | 54.00 | 54.00 | MTEPG | (N) |
| (c) 25% | 67.00 | 67.00 | 67.00 | MTEPH | (N) |
| (d) 30% | 81.00 | 81.00 | 81.00 | MTEPJ | (N) |
| (e) 35% | 94.00 | 94.00 | 94.00 | MTEPK | (N) |
| (f) 40% | 108.00 | 108.00 | 108.00 | MTEPL | (N) |
| (g) 50% | 135.00 | 135.00 | 135.00 | MTEPM | (N) |
| (h) 60% | 162.00 | 162.00 | 162.00 | MTEPN | (N) |
| (i) 75% | 202.00 | 202.00 | 202.00 | MTEPP | (N) |
| (j) 90% | 243.00 | 243.00 | 243.00 | MTEPQ | (N) |
| (k) 100% | 270.00 | 270.00 | 270.00 | MTEPR | (N) |

4. Best Effort CoS (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 10% | 9.00 | 9.00 | 9.00 | MTEBF | (N) |
| (b) 20% | 18.00 | 18.00 | 18.00 | MTEBG | (N) |
| (c) 25% | 22.00 | 22.00 | 22.00 | MTEBH | (N) |
| (d) 30% | 27.00 | 27.00 | 27.00 | MTEBJ | (N) |
| (e) 35% | 31.00 | 31.00 | 31.00 | MTEBK | (N) |
| (f) 40% | 36.00 | 36.00 | 36.00 | MTEBL | (N) |
| (g) 50% | 45.00 | 45.00 | 45.00 | MTEBM | (N) |
| (h) 60% | 54.00 | 54.00 | 54.00 | MTEBN | (N) |
| (i) 75% | 67.00 | 67.00 | 67.00 | MTEBP | (N) |
| (j) 90% | 81.00 | 81.00 | 81.00 | MTEBQ | (N) |

**Note 1**: Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

~~H~~K. Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic, ~~ or~~ Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Company. (N)

1. Structural Protection (N)

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|---|
| (a) per APS Arrangement of less than 10 route miles | $ 1000.00 | $1900.00 | $1250.00 | $1092.00 | MTEAO | (N) |
| (b) per APS Arrangement of 10 through 25 route miles | 1500.00 | 2145.00 | 1496.00 | 1301.00 | MTEA1 | (N) |
| (c) per APS Arrangement of greater than 25 through 35 route miles | 2000.00 | 2445.00 | 1798.00 | 1679.00 | MTEA2 | (N) |
| (d) per APS Arrangement of greater than 35 through 50 route miles | 2500.00 | 2900.00 | 2452.00 | 2376.00 | MTEA3 | (N) |

2. Route Protection (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) per APS Arrangement of less than 10 route miles | 1500.00 | 2320.00 | 1470.00 | 1285.00 | MTEA5 (N) |
| (b) per APS Arrangement of 10 through 25 route miles | 2000.00 | 2610.00 | 1760.00 | 1530.00 | MTEA6 (N) |
| (c) per APS Arrangement of greater than 25 through 35 route miles | 2500.00 | 2965.00 | 2115.00 | 1975.00 | MTEA7 (N) |
| (d) per APS Arrangement of greater than 35 through 50 route miles | 3000.00 | 3435.00 | 2885.00 | 2795.00 | MTEA8 (N) |

~~I~~L. Service Reconfiguration Charge (M)(T)

| | | | | | |
|---|---|---|---|---|---|
| (a) per request, per connection | 250.00 | - | - | - | MTESR (M)(T) |

~~J~~M. System Reconfiguration Charge (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) per request, per connection | 900.00 | - | - | - | MTESY (N) |

**Note 1:** Optional feature only available with a Basic, ~~ or~~ Premium ***or Virtual*** Connection. (N)

**Note 2:** Per definition of route miles as provided in A40.13.2.C.~~9~~***11***. preceding. (N)

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.1 General (Cont'd)

**C.** Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System.

Local Channel Systems:

| | Asynchronous | Synchronous | | | | |
|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 |
| Customer Channel Interfaces | | | | | | |
| DS1 | Yes | Yes | Yes | No | Yes[1] | Yes[1] |
| Flex DS1 | No | No | No | Yes[2] | Yes[2] | Yes[2] |
| DS3 | Yes | No | Yes | Yes | Yes | Yes[1] |
| DS3 Asymmetrical with DS1 | No | No | Yes | No | No | No |
| DS3 Asymmetrical with Flex DS1 | No | No | No | Yes[2] | Yes[2] | Yes[2] |
| STS-1 | No | Yes | Yes | Yes | Yes | Yes[1] |
| OC-3 | No | No | Yes | Yes | Yes | Yes |
| OC-12 | No | No | No | No | Yes | Yes |
| OC-48 | No | No | No | No | No | Yes |
| 10 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] (C) |
| 100 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] (C) |
| 1000 Mbps | No | No | No | No | Yes[4] | Yes[4] |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] (C) |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[3] | Yes[3] |
| 100 Mbps BellSouth Metro Ethernet Backbone | No | No | Yes[5] | Yes[5] | Yes[5] | Yes[5] (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | No | Yes[5] | Yes[5] (N) |

(M)

**Note 1:** Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 108. (C)

**Note 2**: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is 108. (C)

**Note 3**: Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface. (C)

**Note 4:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 5:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

~~Material previously appearing on this page now appears on page(s) 35.1.0.1 of this section.~~

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.1 General (Cont'd)

**C.** (Cont'd)

Local Channel Systems:

| | Asynchronous | Synchronous | | | | |
|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 |
| Central Office Channel Interfaces (Cont'd) | | | | | | |
| OC-3 Channel System | No | No | No | Yes | Yes | Yes |
| OC-12 Channel System | No | No | No | No | No | Yes |
| OC-48 Channel System | No | No | No | No | No | Yes |
| 10 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] (C) |
| 100 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] (C) |
| 1000 Mbps | No | No | No | No | Yes[2] | Yes[2] |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] (C) |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[1] | Yes[1] |
| 100 Mbps BellSouth Metro Ethernet Backbone | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | No | Yes[4] | Yes[4] (N) |

~~Interoffice Channel Systems:~~ (M)

| | | | | | | |
|---|---|---|---|---|---|---|
| ~~Central Office Channel Interfaces~~ | | | | | | |
| ~~- DS1~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ |
| ~~- DS3~~ | ~~Yes~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes[3]~~ |
| ~~- STS-1~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes[3]~~ |
| ~~- OC-3~~ | ~~No~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ |
| ~~- OC-12~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ |
| ~~- OC-48~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ |
| ~~- 28 DS1 Channel System~~ | ~~Yes~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes[3]~~ |
| ~~- STS-1 Channel System~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes[3]~~ |
| ~~- OC-3 Channel System~~ | ~~No~~ | ~~No~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ | ~~Yes~~ |
| ~~- OC-12 Channel System~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes~~ |
| ~~- OC-48 Channel System~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes~~ |
| ~~- 10 Mbps~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes[1]~~ | ~~Yes[1]~~ | ~~Yes[1]~~ |
| ~~- 100 Mbps~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes[1]~~ | ~~Yes[1]~~ | ~~Yes[1]~~ |
| ~~- 1000 Mbps~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes[2]~~ | ~~Yes[2]~~ |
| ~~Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes[1]~~ | ~~Yes[1]~~ | ~~Yes[1]~~ |
| ~~Fractional 1000 Mbps at 600 Mbps~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~No~~ | ~~Yes[1]~~ | ~~Yes[1]~~ |

**Note 1:** Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface. (C)

**Note 2:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Material previously appearing on this page now appears on page(s) 35.1.2 of this section.

**Note 3:** Available only for systems installed on or after October 20, 2003.

**Note 4:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

Material previously appearing on this page now appears on page(s) 35.1.2 of this section.

# B7. DIGITAL NETWORK SERVICE (N)

## B7.4 LightGate Service (Cont'd) (N)

### B7.4.1 General (Cont'd) (N)

**C.** (Cont'd) (N)

Interoffice Channel Systems: (M)

| | Asynchronous | Synchronous | | | | | (N) |
|---|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 | (N) |
| Central Office Channel Interfaces | | | | | | | (M) |
| DS1 | No | No | No | No | No | No | (M) |
| DS3 | Yes | No | Yes | Yes | Yes | ~~Yes~~[31] | (M)(T) |
| STS-1 | No | Yes | Yes | Yes | Yes | Yes[13] | (M)(T) |
| OC-3 | No | No | Yes | Yes | Yes | Yes | (M) |
| OC-12 | No | No | No | Yes | Yes | Yes | (M) |
| OC-48 | No | No | No | No | Yes | Yes | (M) |
| 28 DS1 Channel System | Yes | No | Yes | Yes | Yes | Yes[13] | (M)(T) |
| STS-1 Channel System | No | Yes | Yes | Yes | Yes | Yes[13] | (M)(T) |
| OC-3 Channel System | No | No | Yes | Yes | Yes | Yes | (M) |
| OC-12 Channel System | No | No | No | No | No | Yes | (M) |
| OC-48 Channel System | No | No | No | No | No | Yes | (M) |
| 10 Mbps | No | No | No | ~~Yes~~[12] | Yes[21] | Yes[21] | (M)(T) |
| 100 Mbps | No | No | No | Yes[21] | Yes[21] | Yes[21] | (M)(T) |
| 1000 Mbps | No | No | No | No | Yes[23] | Yes[23] | (M)(T) |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | No | Yes[21] | Yes[21] | Yes[21] | (M)(T) |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[21] | Yes[21] | (M)(T) |

**Note 1:** Available only for systems installed on or after October 20, 2003. (N)

**Note 2:** Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface. (N)

**Note 3:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. (N)

Material appearing on this page previously appeared on page(s) 35.1.1 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate® Service (Cont'd) (T)

### B7.4.1 General (Cont'd)

**D.** OC-3, OC-12 and OC-48 LightGate® service local channel systems may have an optical physical interface at either the serving wire center or the customer termination location. Where a customer elects to order a LightGate® service local channel system with optical termination at the customer's location, the customer's termination equipment must be compatible with Company equipment in the serving wire center. Customers are also required to utilize compatible channel interface combinations to function with Company provided central office channel interfaces. The Company reserves the right to determine the equipment it employs for service. (T)~~(N)~~

**E.** This service is available within a LATA where appropriate digital facilities can be made available as determined by the Company. Service inquiries will be necessary to determine availability interval. ~~(T)~~(M)

**F.** All LightGate® services in a customer's package must be channelized in a single equipment location on a customer's premises, i.e., a package cannot be split between premises, or multiple locations within a premises. Standard network interfaces will be provided by the Company for digital services consistent with existing practices for single channel services. (T)~~(C)~~(M)

**G.** Individual channels within a LightGate® service package may be connected with service offered in other sections of this Tariff and the General Subscriber Service Tariff as appropriate. The regulations, rates and charges in this Tariff are applicable for the LightGate® service component of the customer's end-to-end service. Single channel service components (non-LightGate® service links) are subject to the regulations, rates and charges in their respective tariff sections. (T)~~(T)~~(M)

**H.** The customer may activate any number or combination of channels within a LightGate® service package within the capacity limits of the Basic System. Channels may be activated coincident with installation or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract period. Features (channels) activated under month-to-month rates will have a minimum service period of one month. (T)~~(C)~~(M)

**I.** ~~**(DELETED)**~~ 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. (N)~~(T)~~(D)~~(M)

**J.** Two additional levels of reliability are offered as options of basic LightGate® service. These service levels provide guaranteed Separate Alternate Facilities Transport (SAFT Levels I & II) for improved protection of local channel systems extended from the first outside plant service access point outside the Company's serving wire center to the last outside plant service access point prior to entering a customer's premises. (T)~~(N)~~

SAFT Level I – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, from the primary facilities. ~~(N)~~

SAFT Level II – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, separate supporting structure and route from the primary facilities. Intermediate equipment, if required, will be configured to prevent a single service interruption point. If existing facilities are not available, special construction charges may apply. ~~(N)~~

**K.** LightGate® service interoffice channel systems are intended to extend LightGate® service local channels to other central offices. In addition these channels, may be provided on a stand-alone basis when used in a "link" arrangement with other services in this Tariff and the General Subscriber Service Tariff. (T)~~(N)~~

**L.** The level of automatic protection switching capability varies for LightGate® service asynchronous and synchronous channels. For asynchronous channels, automatic protection switching capability is a standard service feature that automatically switches customer service to protection facilities upon primary facility failure. Card protection (1+n) is provided for DS1, DS3 and STS-1 channel interfaces as a standard feature. For synchronous channels, automatic protection switching capability is provided via the synchronous customer or central office channel 4-fiber interfaces. These 4-fiber interfaces provide 1+1 optical card protection of the interface. The specifications for these interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference #73501. (T)~~(N)~~

~~Material appearing on this page previously appeared on page(s) 35 of this section.~~

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**A.** LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

7. Central Office Channel Interfaces

| | | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | $125.00 | $24.00 | $20.00 | $17.00 | $16.00 | 1PQE8 | |
| (b) | Per DS3 | 125.00 | 115.00 | 95.00 | 90.00 | 85.00 | 1PQE3 | |
| (c) | Per DS3 (Asymmetrical with DS1/Flex DS1) | 290.00 | 500.00 | 390.00 | 365.00 | 350.00 | 1PQEG | |
| (d) | Per STS-1 | 125.00 | 175.00 | 140.00 | 130.00 | 120.00 | 1PQE4 | |
| (e) | Per OC-3 (2 Fiber) | 200.00 | 240.00 | 190.00 | 175.00 | 160.00 | 1PQE5 | |
| (f) | Per OC-3 (4 Fiber) | 200.00 | 425.00 | 330.00 | 300.00 | 270.00 | 1PQE6 | |
| (g) | Per OC-12 (2 Fiber) | 360.00 | 640.00 | 495.00 | 450.00 | 405.00 | 1PQEE | |
| (h) | Per OC-12 (4 Fiber) | 400.00 | 1,280.00 | 990.00 | 900.00 | 810.00 | 1PQED | |
| (i) | Per OC-48 (2 Fiber) | 500.00 | 1,600.00 | 1,325.00 | 1,215.00 | 1,050.00 | 1PQEO | |
| (j) | Per OC-48 (4 Fiber) | 500.00 | 3,200.00 | 2,650.00 | 2,430.00 | 2,100.00 | 1PQEF | |
| (k) | Per 28 DS1 Channel System | 125.00 | 600.00 | 490.00 | 465.00 | 450.00 | MQ3CO | |
| (l) | Per DS1 on 28 DS1 Channel System | 125.00 | 15.00 | 8.00 | 7.00 | 6.00 | 1PQEA | |
| (m) | Per STS-1 Channel System | 125.00 | 600.00 | 490.00 | 465.00 | 450.00 | 1PQE7 | |
| (n) | Per OC-3 Channel System | 125.00 | 1,325.00 | 1,100.00 | 1,000.00 | 900.00 | 1PQE9 | |
| (o) | Per OC-12 Channel System | 125.00 | 2,650.00 | 2,200.00 | 2,000.00 | 1,800.00 | 1PQ12 | |
| (p) | Per OC-48 Channel System | 125.00 | 5,490.00 | 4,410.00 | 4,050.00 | 3,510.00 | 1PQ48 | |
| (q) | Per 1000 Mbps[1] | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQEK | |
| (r) | Per 10 Mbps[2] | 450.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQEH | |
| (s) | Per 100 Mbps (3 STS-1)[2] | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQEJ | (R) |
| (t) | Per Fractional 1000 Mbps[2] | | | | | | | |
| | - 50 Mbps | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | 1PQEM | |
| | - 150 Mbps | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | 1PQEN | |
| | - 300 Mbps | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | 1PQER | |
| | - 450 Mbps | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | 1PQES | |
| | - 600 Mbps | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | 1PQET | |
| (u) | Per Flex DS1 | 130.00 | 24.00 | 20.00 | 17.00 | 16.00 | 1PQEQ | |
| (v) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | 800.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQEU | (N) |
| (w) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | 800.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQEY | (N) |
| (x) | Per 1000 Mbps Metro Ethernet Backbone | 850.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQEZ | (N) |

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**A.** LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

8. Customer Channel Interfaces

| | | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | $170.00 | $24.00 | $20.00 | $17.00 | $16.00 | 1PQF1 | |
| (b) | Per DS3 | 125.00 | 115.00 | 95.00 | 90.00 | 85.00 | 1PQF3 | |
| (c) | Per DS3 (Asymmetrical with DS1/Flex DS1) | 280.00 | 500.00 | 390.00 | 365.00 | 350.00 | 1PQFG | |
| (d) | Per STS-1 | 125.00 | 240.00 | 195.00 | 185.00 | 175.00 | 1PQF4 | |
| (e) | Per OC-3 (2 Fiber) | 125.00 | 240.00 | 190.00 | 175.00 | 160.00 | 1PQF5 | |
| (f) | Per OC-3 (4 Fiber) | 125.00 | 475.00 | 380.00 | 350.00 | 320.00 | 1PQF6 | |
| (g) | Per OC-12 (2 Fiber) | 275.00 | 715.00 | 570.00 | 525.00 | 480.00 | 1PQF8 | |
| (h) | Per OC-12 (4 Fiber) | 275.00 | 1,430.00 | 1,140.00 | 1,050.00 | 960.00 | 1PQF7 | |
| (i) | Per OC-48 (2 Fiber) | 300.00 | 1,600.00 | 1,325.00 | 1,215.00 | 1,050.00 | 1PQF2 | |
| (j) | Per OC-48 (4 Fiber) | 300.00 | 3,200.00 | 2,650.00 | 2,430.00 | 2,100.00 | 1PQFO | |
| (k) | Per 1000 Mbps 850 nm Multi-mode[1] | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQFK | (T) |
| (l) | Per 1000 Mbps 1310 nm Single-mode[1] | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQ3K | (N) |
| (m) | Per 10 Mbps (3 STS-1) - Electrical[2] | 450.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQFH | (T) |
| (n) | Per 100 Mbps[2] | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQFJ | (T) |
| (o) | Per 100 Mbps (3 STS-1) - 1310 nm Single-mode[2] | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQ3J | (N) |
| (p) | Per Fractional 1000 Mbps[2] | | | | | | | (T) |
| | - 50 Mbps 850 nm Multi-mode | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | 1PQFM | (T) |
| | - 50 Mbps 1310 nm Single-mode | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | 1PQ3M | (N) |
| | - 150 Mbps 850 nm Multi-mode | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | 1PQFN | (T) |
| | - 150 Mbps 1310 nm Single-mode | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | 1PQ3N | (N) |
| | - 300 Mbps 850 nm Multi-mode | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | 1PQFR | (T) |
| | - 300 Mbps 1310 nm Single-mode | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | 1PQ3R | (N) |
| | - 450 Mbps 850 nm Multi-mode | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | 1PQFS | (T) |
| | - 450 Mbps 1310 nm Single-mode | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | 1PQ3S | (N) |
| | - 600 Mbps 850 nm Multi-mode | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | 1PQFT | (T) |
| | - 600 Mbps 1310 nm Single-mode | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | 1PQ3T | (N) |
| (~~r~~s) | Per Flex DS1 | 260.00 | 24.00 | 20.00 | 17.00 | 16.00 | 1PQFQ | (T) |
| (t) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | 800.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQFU | (N) |
| (u) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | 800.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQFY | (N) |
| (v) | Per 1000 Mbps Metro Ethernet Backbone | 850.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQFZ | (N) |
| ~~B.LightGate service Local Channel Mileage~~[3] | | | | | | | | (M) |
| ~~1.Mileage for all LightGate service Local Channel Systems~~ | | | | | | | | |
| ~~(a)~~ | ~~First one-half mile (included in system charge)~~ | - | - | - | - | - | ~~NA~~ | (T) |
| ~~(b)~~ | ~~Each additional one-half mile~~ | ~~NA~~ | ~~225.00~~ | ~~190.00~~ | ~~170.00~~ | ~~150.00~~ | ~~1LPEA~~ | |

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Material previously appearing on this page now appears on page(s) 52.2 of this section.

**Note 2:** Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Month to month rates are only available at the end of a contract rate period.

Material previously appearing on this page now appears on page(s) 52.2 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**B.** LightGate service Local Channel Mileage[31]

1. Mileage for all LightGate service Local Channel Systems

| | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|
| (a) First one-half mile (included in system charge) | | - | - | - | - | NA | |
| (b) Each additional one-half mile | | NA | 225.00 | 190.00 | 170.00 | 150.00 | 1LPEA |

**C.** Separate Alternate Facility Transport (SAFT) [1]

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1. SAFT Level I | | | | | | | |
| (a) Per System | $770.00 | | | | | 1L8EA | |
| (b) Per one-half air mile | | $175.00 | $115.00 | $95.00 | $90.00 | 1L8SA | |
| 2. SAFT Level II | | | | | | | |
| (a) Per System | 770.00 | | | | | 1L8EP | |
| (b) Per one-half air mile | | 2,000.00 | 800.00 | 640.00 | 520.00 | 1L8SP | |

**D.** Interoffice Channels (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. LightGate 1 service[1] | | | | | | |
| a. Per DS3 | | | | | | |
| (1) 0-8 miles | | | | | | |
| (a) Fixed | 190.00 | 1,430.00 | 975.00 | 775.00 | 625.00 | 1LPS8 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE8 |
| (2) 9-25 miles | | | | | | |
| (a) Fixed | 190.00 | 1,600.00 | 1,125.00 | 925.00 | 775.00 | 1LPS9 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE9 |
| (3) Over 25 miles | | | | | | |
| (a) Fixed | 190.00 | 1,870.00 | 1,325.00 | 1,125.00 | 925.00 | 1LPS6 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE6 |
| 2. LightGate STS-1 service[1] | | | | | | |
| a. Per STS-1 | | | | | | |
| (1) 0-8 miles | | | | | | |
| (a) Fixed | 190.00 | 1,430.00 | 975.00 | 775.00 | 625.00 | 1LPS8 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE8 |
| (2) 9-25 miles | | | | | | |
| (a) Fixed | 190.00 | 1,600.00 | 1,125.00 | 925.00 | 775.00 | 1LPS9 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE9 |
| (3) Over 25 miles | | | | | | |
| (a) Fixed | 190.00 | 1,870.00 | 1,325.00 | 1,125.00 | 925.00 | 1LPS6 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE6 |

**Note 1:** Month to month rates are only available at the end of a contract rate period.

Material appearing on this page previously appeared on page(s) 52.1 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.1 General (Cont'd)

**B.** (Cont'd)

SMARTRing service Channel Interfaces are available as follows:

| | NODES | | | | | | |
|---|---|---|---|---|---|---|---|
| **Channel Interfaces** | **OC-3** | **OC-3+** | **OC-12** | **OC-48** | **OC-48+** | **OC-192** | **OC-192+** |
| DS1 | Yes | Yes | No[1] | Yes[1] | No[1] | Yes[1] | No[1] |
| DS3 | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| STS-1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| OC-3 | No | No | Yes | Yes | Yes | Yes | Yes |
| OC-12 | No | No | No | Yes | Yes | Yes | Yes |
| OC-48 | No | No | No | No | No | Yes | Yes |
| 28 DS1 Channel System (DS3) | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| 28 DS1 Channel System (STS-1) | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| DS3 (Asymmetrical with DS1) | Yes | Yes | No | No | No | No | No |
| DS3 (Asymmetrical with Flex DS1) | No | No | Yes | Yes | Yes | Yes | Yes |
| DS1 Within an STS-1 Asymmetrical Arrangement | Yes | Yes | No | No | No | No | No |
| 1000 Mbps | No | No | No | Yes[2] | Yes[2] | Yes | Yes[2] |
| 10 Mbps | Yes[3] | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] (C) |
| 100 Mbps | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] (T) |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | Yes[3] | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] (C) |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] (T) |
| Flex DS1[5] | No | No | Yes | Yes | Yes[6] | Yes | Yes[6] (T) |
| 100 Mbps BellSouth Metro Ethernet Backbone | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | Yes[7] | Yes[7] | Yes[7] | Yes[7] |

**Note 1**: DS1 interfaces are available via OC-3, OC-3+ or 28 DS1 Channel System arrangements only for OC-12, OC-48+ and OC-192+ nodes and for OC-48, OC-48+ and OC-192+ SMARTRing service Nodes installed prior to October 20, 2003. For OC-48 and OC-192 nodes, installed on or after that date to December 3, 2004, DS1 interfaces are available with a maximum quantity per node of 108.

**Note 2**: DS3, STS-1, channel systems and 1000 Mbps interfaces are only available for nodes installed after October 20, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3**: 10 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces only are available on OC-3 rings installed on or after May 12, 2006. (N)

**Note** 4: Available on rings installed on or after December 3, 2004. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. (T)

**Note 5**: Effective December 3, 2004, DS1 interfaces for OC-12, OC-48 or OC-192 rings install on or after this date will be installed as a Flex DS1 interface. The maximum number of DS1 circuits available in a system is 108. (T)

**Note 6:** Flex DS1 capabilities are as described previously in this Section for OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The maximum number of DS1 circuits available in a system is 108. (T)

**Note 7:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when SMARTRing service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.1 General (Cont'd)

**C.** SMARTRing service is connectible at Company central offices to any compatible high capacity service as provided in Section B7. of this Tariff and to Broadband Exchange Line Service at compatible data rates (e.g., 1.586 Mbps) as provided in Section A40.5 of the General Subscriber Service Tariff. Rates and charges for such other services are as set forth in the applicable sections of this Tariff for such other services.

**D.** The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.

**E.** Where the customer provides two separate entrance facility cable routes for SMARTRing service, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two Local Channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.

**F.** The compatibility requirements, technical specifications, and generic requirements for SMARTRing service terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1989, and ANSI T1.403-1989.

**G.** DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.

**H.** DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.

**I.** SMARTRing service DS3 high capacity service channels have a performance objective of 99.5 percent error-free seconds over a continuous twenty-four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent error-free seconds over a continuous twenty-four hour period.

**J.** SMARTRing service OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with FlexServ service Customer Network Management (CNM) under the rates and regulations set forth following. FlexServ service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either FlexServ service option subsequent to the initial service installation, a SMARTRing service Rearrangement charge applies as set forth in 7.5.14 following. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance.

Reconfiguration is provided on a per STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the FlexServ service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with FlexServ service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

Reconfiguration is not available with 100 Mbps and 1000 Mbps Metro Ethernet Backbone interfaces. (N)

**K.** SMARTRing service ordered and installed after May 4, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer's traffic and network configuration. (N)

SMARTRing service Basic Shared Ethernet LAN Access Links are available based on equipment capability and a customer's requested service configuration. Upon a customer request for Basic Shared Ethernet LAN Access Links, equipment capability associated with the requested configuration shall be determined. Upon successful determination of the functionality of the customer's requested arrangement, the requested service shall be made available. (N)

Basic Shared Ethernet LAN Access Links are further defined per TR 73582. Basic Shared Ethernet LAN Access Links are available only at Customer Nodes. (N)

(N)

~~Material previously appearing on this page now appears on page(s) 59.3 of this section.~~

# B7. DIGITAL NETWORK SERVICE (N)

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd) (N)

### B7.7.4 Rates and Charges (Cont'd) (N)

**A.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd) (N)

6. Customer Channel Interface (per Node) (M)

| | | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | **$165.00** | **$45.00** | **$30.00** | **$25.00** | **$20.00** | **SHNBB** | (M) |
| (b) | Per DS3 | **130.00** | **170.00** | **135.00** | **130.00** | **125.00** | **SHNZT** | (M) |
| (c) | Per STS-1 | **130.00** | **220.00** | **170.00** | **150.00** | **140.00** | **SHN13** | (M) |
| (d) | Per OC-3, 2 fiber | **130.00** | **255.00** | **190.00** | **170.00** | **160.00** | **SHN1D** | (M) |
| (e) | Per OC-3, 4 fiber | **130.00** | **515.00** | **380.00** | **340.00** | **320.00** | **SHN15** | (M) |
| (f) | Per OC-12, 2 fiber | **345.00** | **745.00** | **515.00** | **475.00** | **440.00** | **SHN1F** | (M) |
| (g) | Per OC-12, 4 fiber | **345.00** | **1,490.00** | **1,030.00** | **950.00** | **880.00** | **SHN19** | (M) |
| (h) | Per OC-48, 2 fiber | **420.00** | **1,600.00** | **1,325.00** | **1,215.00** | **1,050.00** | **SHN1A** | (M) |
| (i) | Per OC-48, 4 fiber | **420.00** | **3,200.00** | **2,650.00** | **2,430.00** | **2,100.00** | **SHN1B** | (M) |
| (j) | Per DS1 within an STS-1 Asymmetrical Arrangement | **330.00** | **25.00** | **22.00** | **20.00** | **18.00** | **SHNBS** | (M) |
| (k) | Per DS3 (Asymmetrical with DS1) | **360.00** | **550.00** | **450.00** | **400.00** | **350.00** | **SHN1T** | (M) |
| (l) | Per 1000 Mbps 850 nm Multi-mode | **400.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN1K** | (T)(M) |
| (m) | Per 1000 Mbps 1310 nm Single-mode | **400.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN3K** | (N) |
| (n) | Per 10 Mbps | **450.00** | **500.00** | **175.00** | **155.00** | **140.00** | **SHN1M** | (T)(M) |
| (o) | Per 100 Mbps | **450.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN1N** | (T)(M) |
| (p) | Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode | **450.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN3N** | (N) |
| (q) | Per Fractional 1000 Mbps | | | | | | | (T) |
| | - 50 Mbps 850 nm Multi-mode | **450.00** | **520.00** | **190.00** | **170.00** | **150.00** | **SHN1O** | (T)(M) |
| | - 50 Mbps 1310 NM Single-mode | **450.00** | **520.00** | **190.00** | **170.00** | **150.00** | **SHN3O** | (N) |
| | - 150 Mbps 850 nm Multi-mode | **450.00** | **560.00** | **230.00** | **210.00** | **190.00** | **SHN1P** | (T)(M) |
| | - 150 Mbps 1310 NM Single-mode | **450.00** | **560.00** | **230.00** | **210.00** | **190.00** | **SHN3P** | (N) |
| | - 300 Mbps 850 nm Multi-mode | **450.00** | **600.00** | **300.00** | **280.00** | **260.00** | **SHN1R** | (T)(M) |
| | - 300 Mbps 1310 NM Single-mode | **450.00** | **600.00** | **300.00** | **280.00** | **260.00** | **SHN3R** | (N) |
| | - 450 Mbps 850 nm Multi-mode | **450.00** | **640.00** | **340.00** | **310.00** | **290.00** | **SHN1U** | (T)(M) |
| | - 450 Mbps 1310 NM Single-mode | **450.00** | **640.00** | **340.00** | **310.00** | **290.00** | **SHN3U** | (N) |
| | - 600 Mbps 850 nm Multi-mode | **450.00** | **700.00** | **380.00** | **340.00** | **320.00** | **SHN1V** | (T)(M) |
| | - 600 Mbps 1310 NM Single-mode | **450.00** | **700.00** | **380.00** | **340.00** | **320.00** | **SHN3V** | (N) |
| (r) | Per Flex DS1 | **360.00** | **45.00** | **34.00** | **27.00** | **25.00** | **SHN1Q** | (T)(M) |
| (s) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | **800.00** | **500.00** | **175.00** | **155.00** | **140.00** | **SHN1J** | (N) |
| (t) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | **800.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN33** | (N) |
| (u) | Per 1000 Mbps Metro Ethernet Backbone | **850.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN34** | (N) |

~~Material appearing on this page previously appeared on page(s) 65 of this section.~~

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.4 Rates and Charges (Cont'd)

**A.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

7. Central Office Node (per Node)

| | | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | OC-3 capacity | $370.00 | $1,400.00 | $990.00 | $900.00 | $810.00 | SHNH3 | (T) |
| (b) | OC-3+ capacity | 370.00 | 2,250.00 | 1,845.00 | 1,575.00 | 1,350.00 | SHNH5 | |
| (c) | OC-12 capacity | 375.00 | 2,680.00 | 1,980.00 | 1,800.00 | 1,575.00 | SHNH1 | |
| (d) | OC-48 capacity | 375.00 | 4,860.00 | 4,110.00 | 4,050.00 | 3,510.00 | SHNH8 | |
| (e) | OC-48+ capacity | 375.00 | 5,490.00 | 4,110.00 | 4,050.00 | 3,510.00 | SHNH9 | |
| (f) | OC-192 capacity | 540.00 | 25,000.00 | 9,375.00 | 8,250.00 | 7,300.00 | SHNH7 | |
| (g) | OC-192+ capacity | 540.00 | 25,000.00 | 9,375.00 | 8,250.00 | 7,300.00 | SHNH6 | |

8. Central Office Channel Interface (per Central Office Node)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | 125.00 | 40.00 | 35.00 | 30.00 | 25.00 | SHNCB |
| (b) | Per DS3 | 185.00 | 115.00 | 85.00 | 80.00 | 75.00 | SHNYT |
| (c) | Per STS-1 | 215.00 | 150.00 | 105.00 | 100.00 | 90.00 | SHNO2 |
| (d) | Per OC-3, 2 fiber | 340.00 | 255.00 | 190.00 | 170.00 | 160.00 | SHNCD |
| (e) | Per OC-3, 4 fiber | 340.00 | 515.00 | 380.00 | 340.00 | 320.00 | SHNO4 |
| (f) | Per OC-12, 2 fiber | 540.00 | 745.00 | 515.00 | 475.00 | 440.00 | SHNCF |
| (g) | Per OC-12, 4 fiber | 540.00 | 1,490.00 | 1,030.00 | 950.00 | 880.00 | SHNC9 |
| (h) | Per OC-48, 2 fiber | 650.00 | 1,600.00 | 1,325.00 | 1,215.00 | 1,050.00 | SHNCJ |
| (i) | Per OC-48, 4 fiber | 650.00 | 3,200.00 | 2,650.00 | 2,430.00 | 2,100.00 | SHNCK |
| (j) | Per 28 DS1 Channel System (DS3) | 140.00 | 700.00 | 600.00 | 550.00 | 525.00 | SHNW8 |
| (k) | Per 28 DS1 Channel System (STS-1) | 140.00 | 750.00 | 550.00 | 500.00 | 450.00 | SHNCS |
| (l) | Per DS1 on 28 DS1 Channel System (DS3) | 140.00 | 18.00 | 12.00 | 9.00 | 8.00 | SHNCA |
| (m) | Per DS1 on 28 DS1 Channel System (STS-1) | 155.00 | 40.00 | 35.00 | 30.00 | 25.00 | SHNCG |
| (n) | Per DS1 within an STS-1 Asymmetrical Arrangement | 360.00 | 25.00 | 22.00 | 20.00 | 18.00 | SHNCH |
| (o) | Per DS3 (Asymmetrical with DS1) | 400.00 | 550.00 | 450.00 | 400.00 | 350.00 | SHNCT |
| (p) | Per 1000 Mbps | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | SHNCW |
| (q) | Per 10 Mbps | 450.00 | 500.00 | 175.00 | 155.00 | 140.00 | SHNCM |
| (r) | Per 100 Mbps (3 STS-1) | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | SHNCN (T) |
| (s) | Per Fractional 1000 Mbps | | | | | | |
| | - 50 Mbps | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | SHNCO |
| | - 150 Mbps | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | SHNCP |
| | - 300 Mbps | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | SHNCR |
| | - 450 Mbps | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | SHNCU |
| | - 600 Mbps | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | SHNCV |
| (t) | Per Flex DS1 | 250.00 | 40.00 | 30.00 | 25.00 | 20.00 | SHNCQ |
| (u) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | 800.00 | 500.00 | 175.00 | 155.00 | 140.00 | SHNOJ (N) |
| (v) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | 800.00 | 540.00 | 210.00 | 190.00 | 170.00 | SHNCX (N) |
| (w) | Per 1000 Mbps Metro Ethernet Backbone | 850.00 | 740.00 | 520.00 | 475.00 | 425.00 | SHNC5 (N) |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (N)

**A.** BellSouth Metro Ethernet service is a high-speed packet transport that is based on Ethernet transmission parameters. BellSouth Metro Ethernet service provides various transport capabilities that range from 10 Mbps through 1 Gbps with capabilities for basic, premium~~, and dedicated~~***and virtual*** arrangements that may be used to meet individual customer needs. (N)

**B.** BellSouth Metro Ethernet service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3-2002 Specifications. (N)

**C.** BellSouth Metro Ethernet service interface specifications are set forth in BellSouth Technical Reference TR-73632. (N)

**D.** The rates and charges set forth in E7.5.22 following for BellSouth Metro Ethernet service provide for the furnishing of service in certain metropolitan areas where suitable Company facilities are available. In locations where BellSouth Metro Ethernet service is not available, special construction charges may apply. (N)

**E.** A LAN (local area network) is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment. (N)

**F.** A VLAN (virtual local area network) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN. (N)

**G.** Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards. (N)

**H.** A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the BellSouth core network. ***Premium*** Connections that include the Q-Forwarding optional feature described in ~~N~~***O***. following ***and Virtual Connections that include the VLAN Aggregation optional feature described in P. following*** may be part of more than one Metro Ethernet Customer Network. (N)

**I.** A Basic BellSouth Metro Ethernet service Connection provides 10 Mbps, 100 Mbps and 1 Gbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet service network within a metropolitan area. Basic BellSouth Metro Ethernet service is a best effort service with service capabilities that are affected by overall traffic on the Basic BellSouth Metro Ethernet service network and is suitable for data transmission only. (N)

A Basic BellSouth Metro Ethernet service connection operating at any of these speeds is capable of interconnecting with other Basic BellSouth Metro Ethernet service Connections that are operating at any of these speeds in the same metropolitan area. (N)

A Basic BellSouth Metro Ethernet service connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Basic BellSouth Metro Ethernet service Connection. Customer locations[1] greater than 10 miles from the Basic BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges. (N)

(M)

~~J.A Premium BellSouth Metro Ethernet service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 250 Mbps and 500 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet service network within a metropolitan area. Premium BellSouth Metro Ethernet service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability.~~ (N)

~~Premium BellSouth Metro Ethernet service provides customer capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet service locations.~~ (N)

~~Premium BellSouth Metro Ethernet service Connections are available with "Fixed" and "Burst" capabilities. With the Fixed arrangement, Premium BellSouth Metro Ethernet service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet service network. With the Burst arrangement, Premium BellSouth Metro Ethernet service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example, a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps.~~ (N)

~~A Premium BellSouth Metro Ethernet service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet service Connections that are operating at any of these speeds in the same metropolitan area.~~ (N)

~~A Premium BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Premium~~ (N)

Material previously appearing on this page now appears on page(s) 27.3.1 of this section.

~~BellSouth Metro Ethernet service Connection. Customer locations[1] greater than 10 miles from the Premium BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges.~~

**Note 1**: And as alternatively set forth in E7.4.32.A.5. following. (N)

Material previously appearing on this page now appears on page(s) 27.3.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

J. A Premium BellSouth Metro Ethernet service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 250 Mbps**,** 500 Mbps ***and 900 Mbps*** Ethernet capabilities that are a part of a BellSouth Metro Ethernet service network within a metropolitan area. Premium BellSouth Metro Ethernet service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability. (C)(M)

Premium BellSouth Metro Ethernet service provides customer capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet service locations. (M)

Premium BellSouth Metro Ethernet service Connections are available with "Fixed" and "Burst" capabilities ***unless specified otherwise***[1]. With the Fixed arrangement, Premium BellSouth Metro Ethernet service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet service network. With the Burst arrangement, Premium BellSouth Metro Ethernet service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example, a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps. (C)(M)

A Premium BellSouth Metro Ethernet service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet service Connections that are operating at any of these speeds in the same metropolitan area. (M)

A Premium BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises[2] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Premium BellSouth Metro Ethernet service Connection. Customer locations[2] greater than 10 miles from the Premium BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges. (T)(M)

**Note 1**: Premium Connections at 900 Mbps are available only as Fixed arrangements (i.e., "Burst" capability is not available). (N)

**Note 2**: And is alternatively set forth in E7.4.32.A.5. following. (T)(M)

Material appearing on this page previously appeared on page(s) 27.3 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

(N)

**K.** A Dedicated BellSouth Metro Ethernet service Connection provides 100 Mbps and 1 Gbps point-to-point Ethernet capabilities that are part of a BellSouth Metro Ethernet service network within a metropolitan area. A Dedicated BellSouth Metro Ethernet service Connection operating at either of these speeds is only capable of interconnecting with one other Dedicated BellSouth Metro Ethernet service Connection in the same metropolitan area.

A Dedicated BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Dedicated BellSouth Metro Ethernet service Connection. Customer locations[1] greater than 10 miles from the Dedicated BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges.

**L.** A Virtual BellSouth Metro Ethernet Service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service.

(N)

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes of Service (CoS) (i.e., Real-Time, Interactive, Business Critical and Best Effort as described in E7.2.18.T) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service.

(N)

For each Virtual Connection, the customer's bandwidth will be limited to the fixed speed associated with each CoS level specified in the CoS profile selected for the Virtual Connection.

(N)

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

(N)

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Virtual BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the Virtual BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges.

(N)

~~L.BellSouth Metro Ethernet service Additional Mileage charges associated with a BellSouth Metro Ethernet service Connection apply when the total distance from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the service serving the customer premises[1] is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the BellSouth Metro Ethernet service. Fractions of miles will be considered as a whole mile.~~

~~(N)~~

~~BellSouth Metro Ethernet service Additional Mileage charges apply to Basic, Premium and Dedicated BellSouth Metro Ethernet service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band.~~

~~(N)~~

~~M.Priority Plus is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Priority Plus provides the customer with the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet service Connections within that Metro Ethernet Customer Network.~~

~~(N)~~

~~N.Q Forwarding is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Q Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS). This aggregated traffic can be transported back to a central location and across a common Metro Ethernet Service Connection (referred to as the "aggregation" connection). Q Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures.~~

~~(N)~~

Material previously appearing on this page now appears on page(s) 27.4.1 of this section.

~~With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network.~~ (N)

~~The Q-Forwarding Service Establishment Charge is a charge to provision a Premium Metro Ethernet Connection with the Q-Forwarding feature and identify it as an "aggregation" connection.~~ (N)

~~The Q-Forwarding Network Assignment Charge is a charge to provision each Metro Ethernet Customer Network to the Q-Forwarding "aggregation" connection. The Q-Forwarding Network Assignment Charge applies for each VLAN connected to the Q-Forwarding "aggregation" connection.~~ (N)

~~O.Metro Ethernet Reporting is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Metro Ethernet Reporting provides customers a view into their BellSouth Metro Ethernet service network via the use of a web interface and security card. Metro Ethernet Reporting provides alarm surveillance, service level agreement reporting and performance reporting for the various network components that comprise the customer's BellSouth Metro Ethernet service network. This feature is only available to customers purchasing Premium BellSouth Metro Ethernet service.~~ (N)

~~Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. The Metro Ethernet Reporting Charge is applicable for each Premium Metro Ethernet Service Connection.~~ (N)

~~The Metro Ethernet Reporting Service Establishment Charge is a nonrecurring charge that applies to initially establish a new Metro Ethernet Service customer account. A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account.~~ (N)

**Note 1:** And as alternatively set forth in E7.4.32.A.5. following. (N)

Material previously appearing on this page now appears on page(s) 27.4.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

***M.*** BellSouth Metro Ethernet service Additional Mileage charges associated with a BellSouth Metro Ethernet service Connection apply when the total distance from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the service serving the customer premises[1] is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the BellSouth Metro Ethernet service. Fractions of miles will be considered as a whole mile. (T)(M)

BellSouth Metro Ethernet service Additional Mileage charges apply to Basic, Premium**,** Dedicated ***and Virtual*** BellSouth Metro Ethernet service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band. (C)(M)

***N.*** Priority Plus is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Priority Plus provides the customer with the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher-priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet service Connections within that Metro Ethernet Customer Network. (T)(M)

***O.*** Q-Forwarding is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Q-Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS). This aggregated traffic can be transported back to a central location and across a common Metro Ethernet Service Connection (referred to as the "aggregation" connection). Q-Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures. (T)(M)

With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network. (M)

The Q-Forwarding Service Establishment Charge is a charge to provision a Premium Metro Ethernet Connection with the Q-Forwarding feature and identify it as an "aggregation" connection. (M)

The Q-Forwarding Network Assignment Charge is a charge to provision each Metro Ethernet Customer Network to the Q-Forwarding "aggregation" connection. The Q-Forwarding Network Assignment Charge applies for each VLAN connected to the Q-Forwarding "aggregation" connection. (M)

***P.*** VLAN Aggregation is an optional feature available to customers with Virtual BellSouth Metro Ethernet Service. VLAN Aggregation provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS) comprised of Virtual Connections. This aggregated traffic can be transported back to a central location and across a common Virtual Metro Ethernet Service Connection (referred to as the "aggregation" connection). VLAN Aggregation utilizes IEEE 802.1Q VLAN Tagging procedures. (N)

The VLAN Aggregation Service Establishment Charge is a charge to provision a Virtual Metro Ethernet Connection with this feature and identify it as an "aggregation" connection. (N)

The VLAN Aggregation Network Assignment Charge is a charge to provision each Virtual Ethernet Customer Network to the "aggregation" connection. The VLAN Aggregation Network Assignment Charge applies for each VLAN connected to the "aggregation" connection. (N)

***Q.*** Metro Ethernet Reporting is an optional feature available to customers with Premium ***or Virtual*** BellSouth Metro Ethernet service. Metro Ethernet Reporting provides customers a view into their BellSouth Metro Ethernet service network via the use of a web interface and security card. Metro Ethernet Reporting provides alarm surveillance, service level agreement reporting and performance reporting for the various network components that comprise the customer's BellSouth Metro Ethernet service network. This feature is only available to customers purchasing Premium ***or Virtual*** BellSouth Metro Ethernet service. (C)(M)

Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. The Metro Ethernet Reporting Charge is applicable for each Premium ***or Virtual*** Metro Ethernet Service Connection. (C)(M)

The Metro Ethernet Reporting Service Establishment Charge is a nonrecurring charge that applies to initially establish a new Metro Ethernet Service customer account. A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account. (M)

**Note 1:** And as alternatively set forth in E7.4.32.A.5. following. (M)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

~~O.~~*Q.* (Cont'd) (T)

All customers purchasing Metro Ethernet Reporting must have a web interface that will allow the customer to access and monitor their network via the web. Each web interface provides for one concurrent access. Additional concurrent accesses will require additional web interfaces. An initial web interface (Web Interface Charge - First) is provided with the initial establishment of a customer account. A monthly charge and a nonrecurring charge are applicable for each additional web interface requested for a customer account (Web Interface Charge – Each Additional).

A security card is required to access a web interface. Each security card can only be used for a single concurrent access and can be associated with only one web interface. A Security Card Charge will apply for the initial and additional cards requested and for the issuance of additional cards to replace lost, damaged or expired cards. A nonrecurring charge is applicable per security card requested.

~~P.~~*R.* BellSouth Metro Ethernet service Customer networks comprised of Premium Connections ***or Virtual Connections*** with Metro Ethernet Reporting are provided Service Level Agreements (SLAs) for the Company's repair and performance commitments for this service. Credits are provided for missed commitments on such service. The specific SLA commitments and credits applicable are set forth in E7.4.32.C. following ***for Premium Connections and in Section E7.4.32.D. for Virtual Connections.***. (C)

~~Q.~~*S.* Subsequent to its initial installation, a customer may request to reconfigure or change a BellSouth Metro Ethernet service Connection. The Service Reconfiguration Charge or System Reconfiguration Charge will be the nonrecurring charge applicable for such a request; the appropriate nonrecurring charge will be based upon the reconfiguration or change requested, as specifically described and set forth in E7.4.32 following.

~~R.~~Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to customers with a Basic or Premium BellSouth Metro Ethernet Service Connection. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (N)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs. (N)

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection). (N)

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion (N)

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes. (N)

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located). (N)

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute). (N)

Material previously appearing on this page now appears on page(s) 27.5.2 of this section.

T. For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection. (N)

A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement. However, technical limitations exist as discussed in TR-73632 that limit the total number of different CoS profiles that can be utilized in a single Virtual Connection network arrangement. (N)

Material previously appearing on this page now appears on page(s) 27.5.2 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

T. (Cont'd) (N)

The CoS and percentage bandwidth selected for a Virtual Connection will define the applications that can be supported and its Quality of Service (QoS) attributes such as traffic priority, latency, packet loss rate, etc. QoS attributes are defined for each CoS. Each Virtual Connection will support Ethernet traffic representing one or more applications and CoS. Virtual Connections support the four following CoS: (N)

- Real-Time[1]: This CoS supports VoIP applications. The Real-Time CoS is supported by a low latency queue. The Low Latency Queuing (LLQ) feature in the Ethernet network is used for support of the Real-Time CoS. (N)
- Interactive[1]: This CoS supports interactive Video applications. The Interactive CoS is policed to a maximum bandwidth. (N)
- Business Critical: This CoS supports mission-critical business data applications. These applications tend to be data specific and may include medical imaging, electronic funds transfer, medical records transfer, etc.
- Best Effort: This CoS is the default CoS for all other traffic that is not defined as Business Critical, Real-Time or Interactive. Traffic that does not match the other CoS will be mapped as Best Effort. Traffic with the Best Effort CoS will have the lowest priority on the network and will support lower priority data applications, such as email and file transfer protocol (FTP). (N)

Each customer packet from a Virtual Connection will be classified and assigned to a specific CoS by methods identified in TR-73632. (N)

**Note 1:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

***U.*** Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to customers with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Service Connection. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (C)(M)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail-over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs. (M)

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection). (M)

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion (M)

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes. (M)

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located). (M)

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute). (M)

Material appearing on this page previously appeared on page(s) 27.5 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service

**A.** General

1. The minimum service period for BellSouth Metro Ethernet service is four (4) months. (T)
2. Suspension of BellSouth Metro Ethernet service is not allowed.
3. BellSouth Metro Ethernet service is available 24 hours per day, 7 days per week, except for preventive maintenance.

   Due to the nature of BellSouth Metro Ethernet service it will be necessary to perform preventive maintenance and software updates. This will mean that BellSouth Metro Ethernet service will be unavailable during the period of time when preventive maintenance is being performed. This could result in the service being unavailable during the period between 1:00 AM and 5:00 AM Eastern Time on Sundays and Wednesdays. However, the Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.
4. Obligations of customer and Company:
   (a) The Company is not responsible for the installation, operation or maintenance of any equipment provided by the customer.
   (b) The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Company.
   (c) At the BellSouth Metro Ethernet service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.
5. In some cases, the Company and another Incumbent Local Exchange Company (ILEC) may agree to jointly provide a customer Metro Ethernet Service. The rates and charges for the BellSouth Metro Ethernet service Connection are applicable for such connectivity; charges for BellSouth Metro Ethernet Additional Mileage are also applicable when the mileage from the BellSouth/ILEC meet-point to the BellSouth Metro Ethernet wire center associated with the service is over ten (10) miles. The Company is only responsible for the ordering, provisioning, maintaining and billing of such service up to the meet-point (i.e., demarcation point with the ILEC). BellSouth Metro Ethernet service SLA credits shall only be applicable for the portion of the service provided within the territory of the Company; such credits are appropriate only for missed commitments determined to be the fault of the Company. (T)

**B.** Rate Categories and Regulations

1. The following rate categories apply for BellSouth Metro Ethernet service. Applicable rates and charges are provided in E7.5.22 following.
   (a) Basic BellSouth Metro Ethernet service Connection
   (b) Premium BellSouth Metro Ethernet service Connection
   (c) Dedicated BellSouth Metro Ethernet service Connection
   (d) Virtual BellSouth Metro Ethernet service Connection (N)
   ~~(d)~~(*e*) BellSouth Metro Ethernet service Additional Mileage Charges (T)
   ~~(e)~~(*f*) Priority Plus Feature (T)
   ~~(f)~~(*g*) Q-Forwarding Feature (T)
   (h) VLAN Aggregation Feature (N)
   ~~(g)~~(*i*) Metro Ethernet Reporting Feature (T)
   (j) Class of Service (CoS) Profile (N)
   ~~(h)~~(*k*) Automatic Protection Switching Feature ~~(N)~~ (T)
   (*l*~~i~~) Service Reconfiguration Charge (T)
   (*~~j~~m*) System Reconfiguration Charge (T)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

2. BellSouth Metro Ethernet service is available under month-to-month rates as provided in E7.5.22.A. following or under the optional Transport Payment Plan (TPP) (as described in E2.4.9.C. of this Tariff) to receive the TPP rates provided in E7.5.22.B. following.

3. BellSouth Metro Ethernet service Connections are provided utilizing various Ethernet equipment configurations referred to herein as "physical service types". The physical service type of each BellSouth Metro Ethernet Connection is provided in the chart in 5. following.

4. A hierarchy of the various BellSouth Metro Ethernet service Connections by capability (i.e., dedicated, basic, ~~and~~ premium ***and virtual***) and speed is provided in the chart in 5. following. This chart provides a higher order of service ranking that is utilized to determine the appropriate nonrecurring charges for service reconfiguration requests. This ranking is also utilized to determine if termination liability is applicable for specific reconfiguration requests if the service is under a TPP term commitment. (C)

(M)

~~5.The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (BellSouth Metro Ethernet service hierarchy).~~

| ~~Metro Ethernet Connection (Mbps):~~ | ~~Physical Service Type:~~ | ~~Higher Order of Service (Mbps):~~ |
|---|---|---|
| ~~Dedicated 100~~ | ~~Dedicated I~~ | ~~Basic 1000; Dedicated 1000; Premium‡ 100, 250 or 500~~ |
| ~~Dedicated 1000~~ | ~~Dedicated II~~ | ~~Premium‡ 500~~ |
| ~~Basic 10~~ | ~~Basic I~~ | ~~Basic 100 or 1000; Premium‡ 10, 20, 50, 100, 250 or 500~~ |
| ~~Basic 100~~ | ~~Basic II~~ | ~~Basic 1000; Premium‡ 100, 250 or 500~~ |
| ~~Basic 1000~~ | ~~Basic III~~ | ~~Premium‡ 500~~ |
| ~~Premium‡ 10~~ | ~~Premium I~~ | ~~Basic 1000; Premium‡ 20, 50, 100, 250 or 500~~ |
| ~~Premium‡ 20~~ | ~~Premium I~~ | ~~Basic 1000; Premium‡ 50,100,250 or 500~~ |
| ~~Premium‡ 50~~ | ~~Premium I~~ | ~~Premium‡ 100, 250 or 500~~ |
| ~~Premium‡ 100~~ | ~~Premium II~~ | ~~Premium‡ 250 or 500~~ |
| ~~Premium‡ 250~~ | ~~Premium II~~ | ~~Premium‡ 500~~ |
| ~~Premium‡ 500~~ | ~~Premium II~~ | ~~None offered at this time~~ |

Material previously appearing on this page now appears on page(s) 48.4.1 and 48.4.2 of this section.

~~Note in the above chart that the reference to Dedicated/Basic 1000 Mbps refers to Dedicated/Basic 1 Gbps.~~

~~6.A BellSouth Metro Ethernet reconfiguration nonrecurring charge is applicable for a customer request to reconfigure (rearrange) an existing BellSouth Metro Ethernet Connection. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the request and applies in lieu of other nonrecurring charges.~~

~~A Service Reconfiguration Charge is applicable for requests where the work required is a minor change that does not involve changing the physical service type. The Service Reconfiguration Charge is applicable for a request to change an existing connection to a different connection that is the same physical service type, is applicable for a request to change a Premium connection from fixed mode to burst mode (and vice versa) and is applicable for a request to change a Premium connection to add or delete the Priority Plus feature.~~ (T)

~~A System Reconfiguration Charge is applicable for requests where the work required involves changing to a different physical service type or involves major support system changes. The System Reconfiguration Charge is applicable for requests to change an existing connection to a different connection that is a different physical service type, to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice versa), and to change the premises powering options from AC power to DC power (or vice versa).~~

~~7.A reconfiguration charge is applicable for a customer request to reconfigure an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a higher order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the higher order of service connection. A Service Reconfiguration Charge is applicable when the higher order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the higher order of service connection is a different physical service type. New minimum period requirements are established for the higher order of service connection.~~

~~**Note 1:** Fixed Mode or Burst Mode.~~

Material previously appearing on this page now appears on page(s) 48.4.1 and 48.4.2 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

5. The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (BellSouth Metro Ethernet service hierarchy). (M)

| **Metro Ethernet Connection (Mbps):** | **Physical Service Type:** | **Higher Order of Service (Mbps):** | |
|---|---|---|---|
| - Dedicated 100 | Dedicated I | Basic 1000; Dedicated 1000; Premium[1] 100,250,500,***900[2]; Virtual 50,80,100,200,300,450, 600,900*** | (C)(M) |
| - Dedicated 1000 | Dedicated II | Premium[1] 500,***900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Basic 10 | Basic I | Basic 100,1000; Premium[1] 10,20,50,100,250,500,***900[2]; Virtual 10,20,50,80,100, 200,300, 450,600,750,900*** | (C)(M) |
| - Basic 100 | Basic II | Basic 1000; Premium[1] 100,250,500,***900[2]; Virtual 80, 100,200,300,450,600,750,900*** | (C)(M) |
| - Basic 1000 | Basic III | Premium[1] 500,***900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Premium[1] 10 | Premium I | Basic 1000; Premium[1] 20,50,100,250,500,***900[2]; Virtual 10,20,50,80,100,200,300, 450,600,750,900*** | (C)(M) |
| - Premium[1] 20 | Premium I | Basic1000;Premium[1]50,100,250,500,***900[2];Virtual 20,50,80,100,200,300,450, 600,750,900*** | (C)(M) |
| - Premium[1] 50 | Premium I | Premium[1] 100,250,500,***900[2]; Virtual 50,80,100,200, 300,450,600,750,900*** | (C)(M) |
| - Premium[1] 100 | Premium II | Premium[1] 250,500,***900[2]; Virtual 100,200,300,450,600,750,900*** | (C)(M) |
| - Premium[1] 250 | Premium II | Premium[1] 500,***900[2]; Virtual 300,450,600,750,900*** | (C)(M) |
| - Premium[1] 500 | Premium II | ***Premium 900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Premium 900[2] | Premium II | Virtual 900 | (N) |
| - Virtual 10 | Virtual I | Basic 1000; Premium[1] 20,50,100,250,500,900[2]; Virtual 20,50,80,100,200,300,450, 600, 750,900 | (N) |
| - Virtual 20 | Virtual I | Basic 1000; Premium[1] 50,100,250,500,900[2]; Virtual 50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 50 | Virtual II | Basic 1000; Premium[1] 100,250,500,900[2]; Virtual 80, 100,200,300,450,600,750,900 | (N) |
| - Virtual 80 | Virtual II | Basic 1000; Premium[1] 100,250,500,900[2]; Virtual 100, 200,300,450,600,750,900 | (N) |
| - Virtual 100 | Virtual II | Premium[1] 250,500,900[2]; Virtual 200,300,450,600,750,900 | (N) |
| - Virtual 200 | Virtual II | Premium[1] 500,900[2]; Virtual 300,450,600,750,900 | (N) |
| - Virtual 300 | Virtual II | Premium[1] 500,900[2]; Virtual 450,600,750,900 | (N) |
| - Virtual 450 | Virtual II | Premium 900[2]; Virtual 600,750,900 | (N) |
| - Virtual 600 | Virtual II | Premium 900[2]; Virtual 750,900 | (N) |
| - Virtual 750 | Virtual II | Premium 900[2]; Virtual 900 | (N) |
| - Virtual 900 | Virtual II | None offered at this time | (N) |

Note in the above chart that the reference to Dedicated/Basic 1000 Mbps refers to Dedicated/Basic 1 Gbps. (M)

**Note 1:** Fixed Mode or Burst Mode. (M)

**Note 2:** Premium 900 Mbps only available as Fixed Mode. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

6. A BellSouth Metro Ethernet reconfiguration nonrecurring charge is applicable for a customer request to reconfigure (rearrange) an existing BellSouth Metro Ethernet Connection. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the request and applies in lieu of other nonrecurring charges. (M)

   A Service Reconfiguration Charge is applicable for requests where the work required is a minor change that does not involve changing the physical service type. The Service Reconfiguration Charge is applicable for a request to change an existing connection to a different connection that is the same physical service type, is applicable for a request to change a Premium connection from fixed mode to burst mode (and vice versa) and is applicable for a request to change a Premium connection to add or delete the Priority Plus feature. ***The Service Reconfiguration Charge is also applicable for changing an existing Virtual connection CoS Profile.*** (C)(M)

   A System Reconfiguration Charge is applicable for requests where the work required involves changing to a different physical service type or involves major support system changes. The System Reconfiguration Charge is applicable for requests to change an existing connection to a different connection that is a different physical service type, to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice-versa), and to change the premises powering options from AC power to DC power (or vice-versa). (M)

7. A reconfiguration charge is applicable for a customer request to reconfigure an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a higher order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the higher order of service connection. A Service Reconfiguration Charge is applicable when the higher order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the higher order of service connection is a different physical service type. New minimum period requirements are established for the higher order of service connection. (M)

Material appearing on this page previously appeared on page(s) 48.4 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

8. A Premium BellSouth Metro Ethernet Connection-Fixed Mode and Premium BellSouth Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same order of service and same physical service type. A Service Reconfiguration Charge is applicable for a customer request to reconfigure a Premium BellSouth Metro Ethernet Connection from Fixed Mode to Burst Mode (at the same speed), or vice versa; this nonrecurring charge is in lieu of the nonrecurring charge for the new connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.

   A Virtual BellSouth Metro Ethernet Connection request to modify its CoS Profile is not considered as a request to change the order of service or physical service type. A Service Reconfiguration Charge is applicable for such requests. (N)

9. Except as specified in 8. preceding, a BellSouth Metro Ethernet Connection not shown as a higher order of service in the hierarchy chart in 5. preceding for a given BellSouth Metro Ethernet Connection is considered to be a lower order of service. A reconfiguration charge is applicable for a customer request to change an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a lower order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the lower order of service connection. A Service Reconfiguration Charge is applicable when the lower order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the lower order of service is a different physical service type. New minimum period requirements are established for the lower order of service connection.

10. A System Reconfiguration Charge is applicable for a customer request to change the premises powering option (AC power to DC power) or NCTE signaling interface option (optical to electrical, or vice-versa) on an existing BellSouth Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.

11. A move of a BellSouth Metro Ethernet service will be as follows (in accordance with E7.4.5 preceding and, if applicable, E2.4.9.C.5. of this Tariff).

    When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the Connection nonrecurring charge. There will be no change in the minimum period requirements.

    When the move is to a new location in a different building that is within the same serving wire center, the charge for the move will be the nonrecurring charge for the BellSouth Metro Ethernet service Connection. New minimum period requirements will be established.[1] (T)

    When the move is to a new location in a different building that is not in the same serving wire center, the request is treated as a discontinuance and start of service and all associated BellSouth Metro Ethernet service nonrecurring charges will apply. New minimum period requirements will be established. [1] (T)

**Note 1:** Such moves of Metro Ethernet Service with Automatic Protection Switching (APS) shall additionally incur the full nonrecurring charge for establishing the APS feature at the new premises (as a new APS design will be required). The APS monthly recurring charge may change as appropriate based upon the actual route mileage associated with the new premises' APS design. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd) (N)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service (N)

Customer networks with Premium BellSouth Metro Ethernet service and Metro Ethernet Reporting are provided Service Level Agreements (SLAs) as summarized herein E7.4.32.C. BellSouth Metro Ethernet Service SLAs outlined herein specify the Company's repair and performance commitments for Metro Ethernet Reporting customers ***with Premium Metro Ethernet Connections.***. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

In accordance with E7.4.32.C.3.(c) following, credits are available for missed commitments to customers purchasing Premium BellSouth Metro Ethernet service with the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. (N)

The following service measurements will outline the service levels the Telephone Company will deliver to Metro Ethernet Reporting customers ***with Premium Metro Ethernet Connections***: (N)

Repair Commitment: (N)

- BellSouth Metro Ethernet service Time-to-Repair (N)

Network Service Level Commitments: (N)

- BellSouth Metro Ethernet service Core Network Availability (N)
- BellSouth Metro Ethernet service Core Network Latency (N)

The Repair Commitment is measured on a per occurrence basis for each BellSouth Metro Ethernet Connection. A Fault Report is produced thru the Metro Ethernet Reporting system that aids identification of potential outage durations upon which credits may be requested. (N)

The Network Service Level Commitments are measured on the monthly performance of the Metro Ethernet core network during a specific calendar month. An SLA Report is produced thru the Metro Ethernet Reporting system that provides details of missed Network Service Level Commitments upon which credits may be requested based upon a specific calendar month's performance results. (N)

The Company's performance measurement data for the Repair Commitment and Network Service Level Commitments will be collected and calculated utilizing the Company's internal processes as set forth in BellSouth Technical Reference TR-73632. The Company's calculation of its performance shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment. (N)

1. SLA Definitions (N)

BellSouth Metro Ethernet service Time to Repair (N)

- BellSouth Metro Ethernet service Time-To-Repair measures the outage duration on a customer's BellSouth Metro Ethernet Connection. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time the trouble ticket is created and end when the fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Time for scheduled maintenance windows (as set forth in E7.4.32.A.3. preceding) does not count towards SLA threshold. (N)

BellSouth Metro Ethernet service Network Availability (N)

- BellSouth Metro Ethernet service Network Availability measures the percentage of time during a calendar month that the customer's service is unavailable on the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Availability SLA, and one will not be provided. (N)
- This Service Level Commitment will be calculated by measuring and summing the outage for each core network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows (as set forth in E7.4.32.A.3. preceding) and time the network was unavailable due to circumstances outside the Company's control (as set forth in E7.4.32.C.3.(b) following). (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd) (N)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service[1] (Cont'd) (N)

1. SLA Definitions (Cont'd) (N)

   BellSouth Metro Ethernet service Network Latency (N)

   - BellSouth Metro Ethernet service Network Latency measures average one-way delay in milliseconds within the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA, and one will not be provided. (N)
   - This Service Level Commitment will be calculated by averaging the measured latency of simulated traffic within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

2. The Company's Service Level Commitments for ***Premium*** BellSouth Metro Ethernet service are as follows: (N)
   - BellSouth Metro Ethernet service Time-To-Repair – 4 hours or less (N)
   - BellSouth Metro Ethernet service Network Availability – 99.9% or higher (N)
   - BellSouth Metro Ethernet service Network Latency – 55 milliseconds or less (N)

3. SLA Restrictions (N)

   (a) The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet service. The customer network design requirements are as follows: (N)

   - A customer must subscribe to the Metro Ethernet Premium Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
   - Credits are not provided for partial month service. (N)
   - A customer's account must be current to receive a credit. (N)

   (b) SLA Credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control ***include***~~can be defined as~~, but ***are*** not limited to, the following: (N)

   - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
   - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather) or other circumstances beyond the Company's control, (N)
   - the customer's premises equipment, and (N)
   - unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premises. (N)

   (c) The Customer must request a credit within one month of the Company missing a BellSouth Metro Ethernet service Level Commitment. ***A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request.*** The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each Commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd) (N)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service[1] (Cont'd) (N)

4. SLA Credits for ***Premium Connections with*** Metro Ethernet Reporting (N)

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (a) thru (c) following): (N)

BellSouth Metro Ethernet service Time-To-Repair: (N)

- 0 to 4 hours per incident: No Credit (N)
- Over 4 hours to 24 hours per incident: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)
- Each additional 24-hour period, per incident: Credit an additional amount equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

BellSouth Metro Ethernet service Network Availability: (N)

- A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

BellSouth Metro Ethernet service Network Latency: (N)

- A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

The SLA credit amount will be determined by applying the credits outlined preceding to the rate elements or total billed revenues specified following. (N)

The total credits issued for all SLAs for a specific BellSouth Metro Ethernet service Connection during a single bill period may not exceed the total monthly recurring charges billed for all the rate elements associated with that BellSouth Metro Ethernet service Connection. Credits are not provided for partial month service. (N)

(a) BellSouth Metro Ethernet service Time-To-Repair Credit – The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Multiple trouble tickets on the same day for the same customer connection will only be eligible for one time-to-repair credit. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(b) BellSouth Metro Ethernet service Network Availability Credit[3] – The Service Level commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet service connection that does not meet the availability commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(c) BellSouth Metro Ethernet service Latency Credit[3] – The Service Level commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet service connection that does not meet the latency commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each Commitment are provided in BellSouth Technical Reference TR-73632. (N)

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features. (N)

**Note 3:** BellSouth Metro Ethernet networks that do not span more than one switch in the core network are not eligible for credits under this SLA. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service (N)

Customer networks with Virtual BellSouth Metro Ethernet Service and Metro Ethernet Reporting are provided Service Level Agreements (SLAs) as summarized herein E7.4.32.D. BellSouth Metro Ethernet Service SLAs outlined herein specify the Telephone Company's repair and performance commitments for Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections. SLAs will be applied on a per Class of Service (CoS) basis for Virtual Connections; traffic representing the different CoS (i.e., Best Effort, Business Critical, Real-Time and Interactive) transported across the same Virtual Connection will have different SLAs. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

In accordance with E7.4.32.D.3.(c) following, credits are available for missed commitments to customers purchasing Virtual BellSouth Metro Ethernet Service with the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Telephone Company. (N)

The following service measurements will outline the service levels the Telephone Company will deliver to Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections: (N)

Repair Commitment: (N)

- BellSouth Metro Ethernet service Time-to-Repair (N)

Network Service Level Commitments: (N)

- BellSouth Metro Ethernet service Core Network Availability (N)
- BellSouth Metro Ethernet service Core Network Latency[1] (N)
- BellSouth Metro Ethernet service Core Network Jitter[1,2] (N)
- BellSouth Metro Ethernet service Core Network Packet Delivery[1] (N)

The Repair Commitment is measured on a per occurrence basis for each BellSouth Metro Ethernet Connection for all CoS. A Fault Report is produced thru the Metro Ethernet Reporting system that aids identification of potential outage durations upon which credits may be requested. (N)

The Network Service Level Commitments are measured on the monthly performance of the Metro Ethernet core network during a specific calendar month by CoS. An SLA Report is produced thru the Metro Ethernet Reporting system that provides details of missed Network Service Level Commitments by CoS upon which credits may be requested based upon a specific calendar month's performance results. (N)

The Company's performance measurement data for the Repair Commitment and Network Service Level Commitments will be collected and calculated utilizing the Company's internal processes as set forth in BellSouth Technical Reference TR-73632. The Company's calculation of its performance shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment. (N)

**Note 1:** SLA not applicable for Best Effort CoS. (N)

**Note 2:** SLA not applicable for Business Critical CoS. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

1. SLA Definitions (N)

BellSouth Metro Ethernet service Time to Repair (N)

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's BellSouth Metro Ethernet Connection for all CoS. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time the trouble ticket is created and end when the fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Time for scheduled maintenance windows (as set forth in E7.4.32.A.3.) does not count towards SLA threshold. (N)

BellSouth Metro Ethernet service Network Availability (N)

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time by CoS during a calendar month that the customer's service is unavailable on the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Availability SLA, and one will not be provided. (N)
- This Service Level Commitment will be calculated by CoS by measuring and summing the outage for each core network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows (as set forth in E7.4.32.A.3.) and time the network was unavailable due to circumstances outside the Telephone Company's control (as set forth in E7.4.32.D.3.(b)). (N)

BellSouth Metro Ethernet service Network Latency (N)

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA, and one will not be provided. (N)
- This Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured latency of simulated traffic for each eligible CoS within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

BellSouth Metro Ethernet service Network Jitter (N)

- BellSouth Metro Ethernet Service Jitter measures the average variability, measured in time (milliseconds) between the actual packet transmission rate and the expected packet transmission rate within the core network for Interactive and Real-Time CoS. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. (N)
- This Service Level Commitment will be calculated for the Interactive CoS and Real-Time CoS by averaging the measured jitter of simulated traffic for each of the customer's eligible CoS queue within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

BellSouth Metro Ethernet service Packet Delivery (N)

- BellSouth Metro Ethernet Service Network Packet Delivery measures the percentage of packets conforming to the committed bandwidth profile that are delivered across the core network, without being dropped or lost as a result of a fault within the Virtual Ethernet network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. (N)
- This Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured packet delivery of simulated traffic for eligible CoS within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

2. The Telephone Company's Service Level Commitments for Virtual BellSouth Metro Ethernet service are as follows: (N)

Time to Repair (N)
- Best Effort CoS: 4 hours or less (N)
- Business Critical CoS: 4 hours or less (N)
- Interactive CoS: 4 hours or less (N)
- Real-Time CoS: 4 hours or less (N)

Network Availability (N)
- Best Effort CoS: 99.500% or greater (N)
- Business Critical CoS: 99.995% or greater (N)
- Interactive CoS: 99.995% or greater (N)
- Real-Time CoS: 99.995% or greater (N)

Latency (one-way) (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: 15 milliseconds or less (N)
- Interactive CoS: 5 milliseconds or less (N)
- Real-Time CoS: 5 milliseconds or less (N)

Jitter (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: Not Applicable (N)
- Interactive CoS: 1 millisecond or less (N)
- Real-Time CoS: 1 millisecond or less (N)

Packet Delivery (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: 99.900% or greater (N)
- Interactive CoS: 99.950% or greater (N)
- Real-Time CoS: 99.995% or greater (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

3. SLA Restrictions (N)

(a) The Telephone Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows:

- A customer must subscribe to the Metro Ethernet Virtual Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
- Credits are not provided for partial month service. (N)
- A customer's account must be current to receive a credit.

(b) SLA Credits do not apply when any stated objective is not met because the Telephone Company does not have control over the circumstances causing the objective to be missed. Situations over which the Telephone Company does not have control include, but are not limited to, the following: (N)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
- labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Telephone Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather) or other circumstances beyond the Telephone Company's control, (N)
- the customer's premises equipment, and (N)
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premises. (N)

(c) The Customer must request a credit within one month of the Telephone Company missing a BellSouth Metro Ethernet Service Level Commitment. A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request. The Telephone Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Telephone Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Telephone Company had control over the circumstances causing the failure. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

4. SLA Credits for Virtual Connections with Metro Ethernet Reporting (Cont'd) (N)

The following credits will apply when the Telephone Company misses a Service Level Commitment on any single CoS (each credit is described in (a) thru (e) following). A maximum of one credit will be applied monthly per Connection for an SLA not met for any CoS that is supported by the customer's CoS profile (i.e., a maximum of one credit is applicable for an SLA even if missed for multiple CoS). (N)

BellSouth Metro Ethernet service Time-To-Repair: (N)

- 0 to 4 hours per incident: No Credit (N)
- Over 4 hours to 24 hours per incident: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)
- Each additional 24-hour period, per incident: Credit an additional amount equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

BellSouth Metro Ethernet service Network Availability: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

BellSouth Metro Ethernet service Latency: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

BellSouth Metro Ethernet service Jitter: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

BellSouth Metro Ethernet service Packet Delivery: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

4. SLA Credits for Virtual Connections with Metro Ethernet Reporting (Cont'd) (N)

The SLA credit amount will be determined by applying the credits outlined preceding to the rate elements or total billed revenues specified following: (N)

The total credits issued for all SLAs for a specific BellSouth Metro Ethernet service Connection during a single bill period may not exceed the total monthly recurring charges billed for all the rate elements associated with that BellSouth Metro Ethernet service Connection. Credits are not provided for partial month service. (N)

(a) BellSouth Metro Ethernet Service Time-To-Repair Credit – The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Multiple trouble tickets on the same day for the same customer connection will only be eligible for one time-to-repair credit. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

(b) BellSouth Metro Ethernet Service Network Availability Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(c) BellSouth Metro Ethernet Service Latency Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the latency Commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(d) BellSouth Metro Ethernet Service Jitter Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the jitter Commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(e) BellSouth Metro Ethernet Service Packet Delivery Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the packet delivery commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

**Note 1**: Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features. (N)

**Note 3:** BellSouth Metro Ethernet networks that do not span more than one switch in the core network are not eligible for credits under this SLA. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.20 Reserved For Future Use (N)

### E7.5.21 Reserved For Future Use (N)

### E7.5.22 BellSouth Metro Ethernet Service (N)

**A.** Rates and charges for month-to-month service (N)

1. Basic BellSouth Metro Ethernet Service Arrangements (N)

(a) 10 Mbps Basic Connection (N)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per Connection | **$ 900.00** | **$ 680.00** | **MTEBA** | (N) |
| (b) 100 Mbps Basic Connection | | | | (N) |
| - Per Connection | **900.00** | **1,310.00** | **MTEBB** | (N) |
| (c) 1 Gbps Basic Connection | | | | (N) |
| - Per Connection | **1,000.00** | **2,850.00** | **MTEBC** | (N) |

2. Premium BellSouth Metro Ethernet Service Arrangements (N)

| | | | | |
|---|---|---|---|---|
| (a) 10 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **900.00** | **904.00** | **MTEP3** | (N) |
| - Per Connection, Burst Mode | **900.00** | **1,133.00** | **MTEE3** | (N) |
| (b) 20 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **900.00** | **1,128.00** | **MTEP4** | (N) |
| - Per Connection, Burst Mode | **900.00** | **1,268.00** | **MTEE4** | (N) |
| (c) 50 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **900.00** | **1,488.00** | **MTEP5** | (N) |
| - Per Connection, Burst Mode | **900.00** | **1,545.00** | **MTEE5** | (N) |
| (d) 100 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **1,000.00** | **1,800.00** | **MTEP6** | (N) |
| - Per Connection, Burst Mode | **1,000.00** | **2,018.00** | **MTEE6** | (N) |
| (e) 250 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **1,000.00** | **2,248.00** | **MTEP7** | (N) |
| - Per Connection, Burst Mode | **1,000.00** | **2,415.00** | **MTEE7** | (N) |
| (f) 500 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **1,000.00** | **2,992.00** | **MTEP8** | (N) |
| - Per Connection, Burst Mode | **1,000.00** | **3,098.00** | **MTEE8** | (N) |
| (g) 900 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **1,500.00** | **4,436.00** | **MTEP9** | (N) |

3. Dedicated BellSouth Metro Ethernet Service Arrangements (N)

| | | | | |
|---|---|---|---|---|
| (a) 100 Mbps Dedicated Connection | | | | (N) |
| - Per Connection | **900.00** | **1,728.00** | **MTEDB** | (N) |
| (b) 1 Gbps Dedicated Connection | | | | (N) |
| - Per Connection | **1,000.00** | **3,448.00** | **MTEDC** | (N) |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

4. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

(a) 10 Mbps Virtual Connection (N)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per Connection | $ 1,000.00 | $ 744.00 | MTEV3 | (N) |
| (b) 20 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 968.00 | MTEV4 | (N) |
| (c) 50 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 1,328.00 | MTEV5 | (N) |
| (d) 80 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 1,484.00 | MTEV6 | (N) |
| (e) 100 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 1,640.00 | MTEV7 | (N) |
| (f) 200 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,088.00 | MTEV8 | (N) |
| (g) 300 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,356.00 | MTEV9 | (N) |
| (h) 450 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,832.00 | MTEVA | (N) |
| (i) 600 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,750.00 | 3,364.00 | MTEVB | (N) |
| (j) 750 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,750.00 | 3,920.00 | MTEVC | (N) |
| (k) 900 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 2,000.00 | 4,276.00 | MTEVD | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

~~4~~5. BellSouth Metro Ethernet Service Additional Mileage (D)

(a) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 10 miles through 25 airline miles

| | Month to Month | USOC | |
|---|---|---|---|
| - Per 10 – 99 Mbps Connection | **$ 333.00** | **MTEMA** | (T) |
| - Per 100 – 499 Mbps Connection | **414.00** | **MTEMB** | (T) |
| - Per 500 Mbps – 1 Gbps Connection | **504.00** | **MTEMC** | |

(b) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 25 miles through 35 airline miles

| | | | |
|---|---|---|---|
| - Per 10 – 99 Mbps Connection | **558.00** | **MTEME** | (T) |
| - Per 100 – 499 Mbps Connection | **702.00** | **MTEMF** | (T) |
| - Per 500 Mbps – 1 Gbps Connection | **837.00** | **MTEMG** | |

(c) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 35 miles through 50 airline miles

| | | | |
|---|---|---|---|
| - Per 10 – 99 Mbps Connection | **873.00** | **MTEMJ** | (T) |
| - Per 100 – 499 Mbps Connection | **1,089.00** | **MTEMK** | (T) |
| - Per 500 Mbps – 1 Gbps Connection | **1,314.00** | **MTEML** | |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

~~5~~6. Priority Plus Feature[1] (T)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per Connection | **$ -** | **$ 120.00** | **MTETP** | |

~~6~~7. Q-Forwarding Feature[1] (T)

| | | | | |
|---|---|---|---|---|
| (a) | Q-Forwarding Service Establishment Charge<br>- Per Connection | **400.00** | **-** | **MTEQF** | |
| (b) | Q-Forwarding Network Assignment Charge<br>- Per Network, Per Connection | **-** | **80.00** | **MTEQN** | |

8. VLAN Aggregation Feature[2] (N)

| | | | | |
|---|---|---|---|---|
| (a) | VLAN Aggregation Service Establishment Charge<br>- Per Connection | **400.00** | **-** | **MTEQE** | (N) |
| (b) | VLAN Aggregation Network Assignment Charge<br>- Per VLAN, Per Connection | **-** | **80.00** | **MTEQV** | (N) |

~~7~~9. Metro Ethernet Reporting ~~Feature[1]~~ Feature[3] (T)

| | | | | |
|---|---|---|---|---|
| (a) | Metro Ethernet Reporting, Service Establishment Charge<br>- Per Customer Account | **225.00** | **-** | **MTERE** | |
| (b) | Metro Ethernet Reporting Charge<br>- Per Connection | **-** | **10.00** | **MTERC** | |
| (c) | Metro Ethernet Reporting, Web Interface Charge<br>- First | **-** | **-** | **MTER1** | |
| | - Each Additional | **65.00** | **20.00** | **MTERW** | |
| (d) | Metro Ethernet Reporting, Security Card<br>- Each | **200.00** | **-** | **MTERS** | |

~~(M)~~

**Note 1:** _Optional feature only available with a Premium Connection.

**Note 2:** Optional feature only available with a Virtual Connection. (N)

**Note 3:** Optional feature only available with a Premium or Virtual Connection. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

10. Class of Service (CoS) Profile[1] (N)

(a) Real-Time CoS[2] (N)

| | Month to Month | USOC | |
|---|---|---|---|
| - 10% | $ 54.00 | MTETF | (N) |
| - 20% | 108.00 | MTETG | (N) |
| - 25% | 135.00 | MTETH | (N) |
| - 30% | 162.00 | MTETJ | (N) |
| - 35% | 189.00 | MTETK | (N) |
| - 40% | 216.00 | MTETL | (N) |
| - 50% | 270.00 | MTETM | (N) |
| - 70% | 378.00 | MTETO | (N) |

(b) Interactive CoS[2] (N)

| | | | |
|---|---|---|---|
| - 10% | 45.00 | MTEVF | (N) |
| - 20% | 90.00 | MTEVG | (N) |
| - 25% | 112.00 | MTEVH | (N) |
| - 30% | 135.00 | MTEVJ | (N) |
| - 35% | 157.00 | MTEVK | (N) |
| - 40% | 180.00 | MTEVL | (N) |
| - 50% | 225.00 | MTEVM | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

10. Class of Service (CoS) Profile[1] (Cont'd) (N)

(c) Business Critical CoS (N)

| | Month to Month | USOC | |
|---|---|---|---|
| - 10% | $ 27.00 | MTEPF | (N) |
| - 20% | 54.00 | MTEPG | (N) |
| - 25% | 67.00 | MTEPH | (N) |
| - 30% | 81.00 | MTEPJ | (N) |
| - 35% | 94.00 | MTEPK | (N) |
| - 40% | 108.00 | MTEPL | (N) |
| - 50% | 135.00 | MTEPM | (N) |
| - 60% | 162.00 | MTEPN | (N) |
| - 75% | 202.00 | MTEPP | (N) |
| - 90% | 243.00 | MTEPQ | (N) |
| - 100% | 270.00 | MTEPR | (N) |

(d) Best Effort CoS (N)

| | | | |
|---|---|---|---|
| - 10% | 9.00 | MTEBF | (N) |
| - 20% | 18.00 | MTEBG | (N) |
| - 25% | 22.00 | MTEBH | (N) |
| - 30% | 27.00 | MTEBJ | (N) |
| - 35% | 31.00 | MTEBK | (N) |
| - 40% | 36.00 | MTEBL | (N) |
| - 50% | 45.00 | MTEBM | (N) |
| - 60% | 54.00 | MTEBN | (N) |
| - 75% | 67.00 | MTEBP | (N) |
| - 90% | 81.00 | MTEBQ | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

~~8~~11.-Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic~~,~~ ~~or~~ Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (N)

(a) Structural Protection (N)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per APS Arrangement of less than 10 route miles | **$ 1000.00** | **$ 1900.00** | **MTEAO** | (N) |
| - Per APS Arrangement of 10 through 25 route miles | **1500.00** | **2145.00** | **MTEA1** | (N) |
| - Per APS Arrangement of greater than 25 through 35 route miles | **2000.00** | **2445.00** | **MTEA2** | (N) |
| - Per APS Arrangement of greater than 35 through 50 route miles | **2500.00** | **2900.00** | **MTEA3** | (N) |

(b) Route Protection (N)

| | | | | |
|---|---|---|---|---|
| - Per APS Arrangement of less than 10 route miles | **1500.00** | **2320.00** | **MTEA5** | (N) |
| - Per APS Arrangement of 10 through 25 route miles | **2000.00** | **2610.00** | **MTEA6** | (N) |
| - Per APS Arrangement of greater than 25 through 35 route miles | **2500.00** | **2965.00** | **MTEA7** | (N) |
| - Per APS Arrangement of greater than 35 through 50 route miles | **3000.00** | **3435.00** | **MTEA8** | (N) |

~~9~~12. Service Reconfiguration Charge (M)(C)

(a) Per Request (M)

| | | | | |
|---|---|---|---|---|
| - Per Connection | **200.00** | **-** | **MTESR** | (M) |

~~10~~13. System Reconfiguration Charge (M)(C)

(a) Per Request (M)

| | | | | |
|---|---|---|---|---|
| - Per Connection | **900.00** | **-** | **MTESY** | (M) |

**Note 1:** Optional feature only available with a Basic~~,~~ ~~or~~ Premium ***or Virtual*** Connection. (N)

**Note 2:** Per definition of route mileage provided in E7.2.18~~R~~ U preceding. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd) (N)

**B.** Rates and charges for Transport Payment Plan (N)

1. Basic BellSouth Metro Ethernet Service Arrangements (N)

(a) 10 Mbps Basic Connection (N)

| | | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|---|
| | ~~Non-~~ Nonr~~R~~ecurring Charge | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
| - Per Connection | $ - | $ 630.00 | $ 599.00 | $ 550.00 | MTEBA | (N) |
| (b) 100 Mbps Basic Connection | | | | | | (N) |
| - Per Connection | - | 1,180.00 | 1,121.00 | 1,065.00 | MTEBB | (N) |
| (c) 1 Gbps Basic Connection | | | | | | (N) |
| - Per Connection | - | 2,565.00 | 2,437.00 | 2,315.00 | MTEBC | (N) |

2. Premium BellSouth Metro Ethernet Service Arrangements (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 10 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 720.00 | 684.00 | 650.00 | MTEP3 (N) |
| - Per Connection, Burst Mode | - | 900.00 | 855.00 | 812.00 | MTEE3 (N) |
| (b) 20 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 904.00 | 859.00 | 816.00 | MTEP4 (N) |
| - Per Connection, Burst Mode | - | 1,013.00 | 962.00 | 914.00 | MTEE4 (N) |
| (c) 50 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 1,192.00 | 1,132.00 | 1,075.00 | MTEP5 (N) |
| - Per Connection, Burst Mode | - | 1,238.00 | 1,176.00 | 1,117.00 | MTEE5 (N) |
| (d) 100 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 1,440.00 | 1,368.00 | 1,300.00 | MTEP6 (N) |
| - Per Connection, Burst Mode | - | 1,613.00 | 1,532.00 | 1,455.00 | MTEE6 (N) |
| (e) 250 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 1,800.00 | 1,710.00 | 1,625.00 | MTEP7 (N) |
| - Per Connection, Burst Mode | - | 1,935.00 | 1,838.00 | 1,746.00 | MTEE7 (N) |
| (f) 500 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 2,392.00 | 2,272.00 | 2,158.00 | MTEP8 (N) |
| - Per Connection, Burst Mode | - | 2,475.00 | 2,351.00 | 2,233.00 | MTEE8 (N) |
| (g) 900 Mbps Premium Connection | | | | | (N) |
| - Per Connection, Fixed Mode | - | 3,700.00 | 3,532.00 | 3,356.00 | MTEP9 (N) |

3. Dedicated BellSouth Metro Ethernet Service Arrangements (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 100 Mbps Dedicated Connection | | | | | (N) |
| - Per Connection | - | 1,384.00 | 1,248.00 | 1,186.00 | MTEDB (N) |
| (b) 1 Gbps Dedicated Connection | | | | | (N) |
| - Per Connection | - | 2,760.00 | 2,488.00 | 2,364.00 | MTEDC (N) |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

4. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

(a) 10 Mbps Virtual Connection (N)

| | | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | | |
| | Nonrecurring Charge | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC | |
| - Per Connection | $ - | $ 560.00 | $ 529.00 | $ 503.00 | MTEV3 | (N) |
| (b) 20 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 744.00 | 703.00 | 668.00 | MTEV4 | (N) |
| (c) 50 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,032.00 | 975.00 | 926.00 | MTEV5 | (N) |
| (d) 80 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,156.00 | 1,092.00 | 1,038.00 | MTEV6 | (N) |
| (e) 100 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,280.00 | 1,210.00 | 1,149.00 | MTEV7 | (N) |
| (f) 200 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,640.00 | 1,550.00 | 1,472.00 | MTEV8 | (N) |
| (g) 300 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,936.00 | 1,830.00 | 1,738.00 | MTEV9 | (N) |
| (h) 450 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 2,232.00 | 2,109.00 | 2,004.00 | MTEVA | (N) |
| (i) 600 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 2,660.00 | 2,514.00 | 2,388.00 | MTEVB | (N) |
| (j) 750 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 3,104.00 | 2,933.00 | 2,787.00 | MTEVC | (N) |
| (k) 900 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 3,540.00 | 3,345.00 | 3,178.00 | MTEVD | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

~~4~~5. BellSouth Metro Ethernet Service Additional Mileage (D)

(a) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 10 miles through 25 airline miles

| | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|
| | ~~Non-~~ Nonr~~R~~ecurring Charge | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC |
| - Per 10 – 99 Mbps Connection | $ - | $ 333.00 | $ 333.00 | $ 333.00 | MTEMA (T) |
| - Per 100 – 499 Mbps Connection | - | 414.00 | 414.00 | 414.00 | MTEMB (T) |
| - Per 500 Mbps – 1 Gbps Connection | - | 504.00 | 504.00 | 504.00 | MTEMC |

(b) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 25 miles through 35 airline miles

| | | | | | |
|---|---|---|---|---|---|
| - Per 10 – 99 Mbps Connection | - | 558.00 | 558.00 | 558.00 | MTEME (T) |
| - Per 100 – 499 Mbps Connection | - | 702.00 | 702.00 | 702.00 | MTEMF (T) |
| - Per 500 Mbps – 1 Gbps Connection | - | 837.00 | 837.00 | 837.00 | MTEMG |

(c) BellSouth Metro Ethernet Service Additional Mileage: (T)
BellSouth Metro Ethernet Service arrangements greater than 35 miles through 50 airline miles

| | | | | | |
|---|---|---|---|---|---|
| - Per 10 – 99 Mbps Connection | - | 873.00 | 873.00 | 873.00 | MTEMJ (T) |
| - Per 100 – 499 Mbps Connection | - | 1,089.00 | 1,089.00 | 1,089.00 | MTEMK (T) |
| - Per 500 Mbps – 1 Gbps Connection | - | 1,314.00 | 1,314.00 | 1,314.00 | MTEML |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

~~5~~6. Priority Plus Feature[1] (T)

| | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|
| | ~~Non-~~ ~~Recurring~~Nonrecurring Charge[2] | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC |
| - Per Connection | $ - | $ 95.00 | $ 85.00 | $ 80.00 | MTETP |

~~6~~7. Q-Forwarding Feature[1] (T)

(a) Q-Forwarding Service Establishment Charge

| | Nonrecurring Charge[2] | USOC |
|---|---|---|
| - Per Connection | $400.00 | MTEQF |

(b) Q-Forwarding Network Assignment Charge

| | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|
| | ~~Non-~~ ~~Recurring~~Nonrecurring Charge[2] | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC |
| - Per Network, Per Connection | $ - | $ 65.00 | $ 60.00 | $ 55.00 | MTEQN |

8. VLAN Aggregation Feature[3] (N)

(a) VLAN Aggregation Service Establishment Charge (N)

| | Nonrecurring Charge[2] | USOC | (N) |
|---|---|---|---|
| - Per Connection | $400.00 | MTEQE | (N) |

(b) VLAN Aggregation Network Assignment Charge (N)

| | Transport Payment Plan Rates | | | | (N) |
|---|---|---|---|---|---|
| | Nonrecurring Charge[2] | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | (N) USOC (N) |
| - Per VLAN, Per Connection | $ - | $ 65.00 | $ 60.00 | $ 55.00 | MTEQN (N) |

~~7. Metro Ethernet Reporting Feature[1]~~ (M)

~~(a) Metro Ethernet Reporting, Service Establishment Charge~~

| | ~~Nonrecurring Charge[2]~~ | ~~USOC~~ |
|---|---|---|
| ~~- Per Customer Account~~ | ~~$ 225.00~~ | ~~MTERE~~ |

~~(b) Metro Ethernet Reporting Charge~~

| | ~~Transport Payment Plan Rates~~ | | | | |
|---|---|---|---|---|---|
| | ~~Non-Recurring Charge[2]~~ | ~~A 12-36 Mos~~ | ~~B 37-60 Mos~~ | ~~C 61-96 Mos~~ | ~~USOC~~ |
| ~~- Per Connection~~ | ~~$ -~~ | ~~$ 8.00~~ | ~~$ 6.00~~ | ~~$ 5.00~~ | ~~MTERC~~ |

~~(c) Metro Ethernet Reporting, Web Interface Charge~~

| | | | | | |
|---|---|---|---|---|---|
| ~~- First~~ | ~~-~~ | ~~-~~ | ~~-~~ | ~~-~~ | ~~MTER1~~ |

Material previously appearing on this page now appears on page(s) 83.1 of this section.

~~- Each Additional~~ ~~65.00~~ ~~18.00~~ ~~15.00~~ ~~13.00~~ ~~MTERW~~

~~(d) Metro Ethernet Reporting, Security Card~~

| | ~~Nonrecurring Charge[2]~~ | ~~USOC~~ |
|---|---|---|
| ~~- Each~~ | ~~$ 200.00~~ | ~~MTERS~~ |

~~(M)~~

**Note 1:** Optional feature only available with a Premium Connection.

**Note 2:** This nonrecurring charge is applicable to service under a TPP arrangement.

**Note 3:** Optional feature only available with a Virtual Connection. (N)

Material previously appearing on this page now appears on page(s) 83.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

***9***. Metro Ethernet Reporting Feature[1] (T)(M)

(a) Metro Ethernet Reporting, Service Establishment Charge (M)

| | Nonrecurring Charge[2] | USOC | |
|---|---|---|---|
| - Per Customer Account | $ 225.00 | MTERE | (M) |

(b) Metro Ethernet Reporting Charge (M)

| | Nonrecurring Charge[2] | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| - Per Connection | $ - | $ 8.00 | $ 6.00 | $ 5.00 | MTERC | (M) |

(c) Metro Ethernet Reporting, Web Interface Charge (M)

| | | | | | | |
|---|---|---|---|---|---|---|
| - First | - | - | - | - | MTER1 | (M) |
| - Each Additional | 65.00 | 18.00 | 15.00 | 13.00 | MTERW | (M) |

(d) Metro Ethernet Reporting, Security Card (M)

| | Nonrecurring Charge[2] | USOC | |
|---|---|---|---|
| - Each | $ 200.00 | MTERS | (M) |

**Note 1:** Optional feature only available with a Premium ***or Virtual*** Connection. (C)(M)

**Note 2:** This nonrecurring charge is applicable to service under a TPP arrangement. (M)

Material appearing on this page previously appeared on page(s) 83 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

10. Class of Service (CoS) Profile[1] (N)

(a) Real-Time CoS[2] (N)

| | Nonrecurring Charge[3] | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| - 10% | $ - | $ 54.00 | $ 54.00 | $ 54.00 | MTETF | (N) |
| - 20% | - | 108.00 | 108.00 | 108.00 | MTETG | (N) |
| - 25% | - | 135.00 | 135.00 | 135.00 | MTETH | (N) |
| - 30% | - | 162.00 | 162.00 | 162.00 | MTETJ | (N) |
| - 35% | - | 189.00 | 189.00 | 189.00 | MTETK | (N) |
| - 40% | - | 216.00 | 216.00 | 216.00 | MTETL | (N) |
| - 50% | - | 270.00 | 270.00 | 270.00 | MTETM | (N) |
| - 70% | - | 378.00 | 378.00 | 378.00 | MTETO | (N) |
| (b) Interactive CoS[2] | | | | | | (N) |
| - 10% | - | 45.00 | 45.00 | 45.00 | MTEVF | (N) |
| - 20% | - | 90.00 | 90.00 | 90.00 | MTEVG | (N) |
| - 25% | - | 112.00 | 112.00 | 112.00 | MTEVH | (N) |
| - 30% | - | 135.00 | 135.00 | 135.00 | MTEVJ | (N) |
| - 35% | - | 157.00 | 157.00 | 157.00 | MTEVK | (N) |
| - 40% | - | 180.00 | 180.00 | 180.00 | MTEVL | (N) |
| - 50% | - | 225.00 | 225.00 | 225.00 | MTEVM | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%.. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

**Note 3:** This nonrecurring charge is applicable to service under a TPP Arrangement. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

10. Class of Service (CoS) Profile[1] (Cont'd) (N)

(c) Business Critical CoS (N)

| | | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|---|
| | Nonrecurring Charge[2] | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
| - 10% | $ - | $ 27.00 | $ 27.00 | $ 27.00 | MTEPF | (N) |
| - 20% | - | 54.00 | 54.00 | 54.00 | MTEPG | (N) |
| - 25% | - | 67.00 | 67.00 | 67.00 | MTEPH | (N) |
| - 30% | - | 81.00 | 81.00 | 81.00 | MTEPJ | (N) |
| - 35% | - | 94.00 | 94.00 | 94.00 | MTEPK | (N) |
| - 40% | - | 108.00 | 108.00 | 108.00 | MTEPL | (N) |
| - 50% | - | 135.00 | 135.00 | 135.00 | MTEPM | (N) |
| - 60% | - | 162.00 | 162.00 | 162.00 | MTEPN | (N) |
| - 75% | - | 202.00 | 202.00 | 202.00 | MTEPP | (N) |
| - 90% | - | 243.00 | 243.00 | 243.00 | MTEPQ | (N) |
| - 100% | - | 270.00 | 270.00 | 270.00 | MTEPR | (N) |
| (d) Best Effort CoS | | | | | | (N) |
| - 10% | - | 9.00 | 9.00 | 9.00 | MTEBF | (N) |
| - 20% | - | 18.00 | 18.00 | 18.00 | MTEBG | (N) |
| - 25% | - | 22.00 | 22.00 | 22.00 | MTEBH | (N) |
| - 30% | - | 27.00 | 27.00 | 27.00 | MTEBJ | (N) |
| - 35% | - | 31.00 | 31.00 | 31.00 | MTEBK | (N) |
| - 40% | - | 36.00 | 36.00 | 36.00 | MTEBL | (N) |
| - 50% | - | 45.00 | 45.00 | 45.00 | MTEBM | (N) |
| - 60% | - | 54.00 | 54.00 | 54.00 | MTEBN | (N) |
| - 75% | - | 67.00 | 67.00 | 67.00 | MTEBP | (N) |
| - 90% | - | 81.00 | 81.00 | 81.00 | MTEBQ | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%.. (N)

**Note 2:** This nonrecurring charge is applicable to service under a TPP Arrangement. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

~~8~~11. Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic, ~~or~~ Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (N)

(a) Structural Protection (N)

| | Transport Payment Plan Rates | | | | | |
|---|---|---|---|---|---|---|
| | ~~Non~~ Nonrecurring Charge[3] | A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
| - Per APS Arrangement of less than 10 route miles | $ - | $ 1250.00 | $ 1092.00 | $ 935.00 | MTEAO | (N) |
| - Per APS Arrangement of 10 through 25 route miles | - | 1496.00 | 1301.00 | 1126.00 | MTEA1 | (N) |
| - Per APS Arrangement of greater than 25 through 35 route miles | - | 1798.00 | 1679.00 | 1530.00 | MTEA2 | (N) |
| - Per APS Arrangement of greater than 35 through 50 route miles | - | 2452.00 | 2376.00 | 2134.00 | MTEA3 | (N) |

(b) Route Protection (N)

| | | | | | |
|---|---|---|---|---|---|
| - Per APS Arrangement of less than 10 route miles | - | 1470.00 | 1285.00 | 1100.00 | MTEA5 (N) |
| - Per APS Arrangement of 10 through 25 route miles | - | 1760.00 | 1530.00 | 1325.00 | MTEA6 (N) |
| - Per APS Arrangement of greater than 25 through 35 route miles | - | 2115.00 | 1975.00 | 1800.00 | MTEA7 (N) |
| - Per APS Arrangement of greater than 35 through 50 route miles | - | 2885.00 | 2795.00 | 2510.00 | MTEA8 (N) |

~~9~~12. Service Reconfiguration Charge (M)(C)

(a) Per Request (M)

| | Nonrecurring Charge[3] | USOC | |
|---|---|---|---|
| - Per Connection | $ 200.00 | MTESR | (M) |

~~10~~13. System Reconfiguration Charge (M)(C)

(a) Per Request (M)

| | | | |
|---|---|---|---|
| - Per Connection | 900.00 | MTESY | (M) |

**Note 1:** Optional feature only available with a Basic, ~~or~~ Premium ***or Virtual*** Connection. (N)

**Note 2:** Per definition of route mileage provided in E7.2.~~18R~~ 18*U* preceding. (N)

**Note 3:** This nonrecurring charge is applicable to service under a TPP arrangement. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service

### A40.13.1 General

A. BellSouth Metro Ethernet Service is a high-speed packet transport that is based on Ethernet transmission parameters.

B. BellSouth Metro Ethernet Service provides various transport capabilities that range from 10 Mbps through 1 Gbps with capabilities for basic, premium**,** dedicated ***and virtual*** arrangements that may be used to meet individual customer needs. (C)

C**.** BellSouth Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet Service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3 Specifications. These technical documents may be ordered from:

American National Standards Institute
11 West 42nd Street
New York, New York 10036

D. Technical Reference TR-73632 - Metro Ethernet Interface Specifications may be ordered from:

BellSouth Documentation Service Center
3535 Colonnade Parkway – NW5B
Birmingham, AL 35243

E. BellSouth Metro Ethernet Service, as provided under the provisions of this tariff section, is offered for intraLATA use only.

F. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this and other tariffs of the Company.

G. The rates and charges set forth for BellSouth Metro Ethernet Service provide for the furnishing of service in certain metropolitan areas. In locations where BellSouth Metro Ethernet Service is not available, special construction charges may apply as set forth in Section A5 of this Tariff.

H. For BellSouth Metro Ethernet Service, the Due Date Change Charge, Expedite Request Charge and Cancellation Charge, as defined in A40.9 of this Tariff, are applicable.

### A40.13.2 Regulations

A**.** Explanation of Terms

1. Metro Ethernet

   Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet Service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards.

2. Local Area Network (LAN)

   LAN is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment.

3. Virtual Local Area Network (VLAN) (N)

   A virtual local area network (VLAN) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN. (N)

***4.*** Basic BellSouth Metro Ethernet Service Connection (T)

Provides 10 Mbps, 100 Mbps and 1 Gbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Basic BellSouth Metro Ethernet Service is a best effort service with service capabilities that are affected by overall traffic on the Basic BellSouth Metro Ethernet Service network and is suitable for data transmission only.

A Basic BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Basic BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

A Basic BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Basic BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges. (T)

**Note 1:** And as alternatively set forth in A40.13.2.C.11. following. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service

### A40.13.2 Regulations (Cont'd)

A. Explanation of Terms (Cont'd)

***5***. Premium BellSouth Metro Ethernet Service Connection (T)

Provides 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps 250 Mbps and 500 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Premium BellSouth Metro Ethernet Service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability.

Premium BellSouth Metro Ethernet Service provides customers capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet Service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet Service locations.

Premium BellSouth Metro Ethernet Service Connections are available with "Fixed" and "Burst" capabilities. With the Fixed arrangement, Premium BellSouth Metro Ethernet Service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet Service network. With the Burst arrangement, Premium BellSouth Metro Ethernet Service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps.

A Premium BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area.

Premium BellSouth Metro Ethernet Service Connection provides data channel transport that connects a customer ***premises[1] that*** are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Premium BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges. (T)

***6***. Dedicated BellSouth Metro Ethernet Service Connection (T)

Provides 100 Mbps and 1 Gbps point-to-point Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. A Dedicated BellSouth Metro Ethernet Service Connection operating at any of these speeds is only capable of interconnecting with one other Dedicated BellSouth Metro Ethernet Service Connection in the same metropolitan area.

A Dedicated BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Dedicated BellSouth Metro Ethernet Service Connection. Customer locations greater than 10 miles from the Dedicated BellSouth Metro Ethernet Service wire center require BellSouth Metro Ethernet Service Additional Mileage charges.

(M)

**Note 1:** And as alternatively set forth in A40.13.2.C.11. following. (N)

Material previously appearing on this page now appears on page(s) 38.1 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

A. Explanation of Terms (Cont'd)

7. Virtual BellSouth Metro Ethernet Service Connection (N)

Provides 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service. (N)

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes of Service (CoS) (i.e., Real-Time, Interactive, Business Critical and Best Effort as described in (13) following) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service. (N)

For each Virtual Connection, the customer's bandwidth will be limited to the fixed speed associated with each CoS level specified in the CoS profile selected for the Virtual Connection. (N)

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area. (N)

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Virtual BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the Virtual BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges. (N)

***8***. BellSouth Metro Ethernet Service Additional Mileage Charges (M)(T)

Additional mileage charges associated with a BellSouth Metro Ethernet Service Connection apply when the total distance from the customer premises***1*** to the BellSouth Metro Ethernet Service wire center associated with the service serving the customer's premises***1*** is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service. Fractions of miles will be considered as a whole mile. (M)(T)

BellSouth Metro Ethernet Service Additional Mileage Charges apply to Basic, Premium**,** Dedicated ***and Virtual*** BellSouth Metro Ethernet Service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet Service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band. (M)(C)

**Note 1:** And as alternatively set forth in A40.13.2.C.12. following. (N)

Material appearing on this page previously appeared on page(s) 38 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

***9***. Metro Ethernet Customer Network (T)

A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the BellSouth core network. ***Premium*** Connections that include the Q-Forwarding optional feature ***and Virtual Connections that include the VLAN Aggregation optional feature*** may be part of more than one Metro Ethernet Customer Network. (C)

***10***. Priority Plus (T)

Customers with Premium BellSouth Metro Ethernet Service, as an optional feature, may order the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher-priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet Service connections within that Metro Ethernet Customer Network.

***11***. Q-Forwarding (T)

Customers with a Premium BellSouth Metro Ethernet Service Arrangement may order the Q-Forwarding feature. Q-Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple remote customer locations. This aggregated traffic can be transported back to a central location and across a common ***Premium*** Metro Ethernet Service interface. Q-Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures. (T)

With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network. (N)

The Q-Forwarding Service ***Establishment*** Charge is a charge to provision a Premium ***Metro Ethernet Connection*** with the Q-Forwarding feature and identify it as the host connection or the "aggregator" connection. (T)

The Q-Forwarding Network Assignment Charge is a charge to provision any remote Premium ***Connection*** to the Q-Forwarding host "aggregator" connection. The Q-Forwarding Network Assignment Charge applies for each remote Metro Ethernet Customer Network (VLAN) connected to the Q-Forwarding host "aggregator" connection. (T)

(M)

12. VLAN Aggregation (N)

Customers with a Virtual BellSouth Metro Ethernet Service Arrangement may order the VLAN Aggregation feature. VLAN Aggregation provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple remote customer locations. This aggregated traffic can be transported back to a central location and across a common Virtual Metro Ethernet Service interface. VLAN Aggregation utilizes IEEE 802.1Q VLAN Tagging procedures. (N)

The VLAN Aggregation Service Establishment Charge is a charge to provision a Virtual Metro Ethernet Connection with the VLAN Aggregation feature and identify it as the host connection or the "aggregator" connection. (N)

The VLAN Aggregation Network Assignment Charge is a charge to provision any remote Virtual connection to the VLAN Aggregation host "aggregator" connection. The VLAN Aggregation Network Assignment Charge applies for each remote Metro Ethernet Customer Network (VLAN) connected to the VLAN Aggregation host "aggregator" connection. (N)

Material previously appearing on this page now appears on page(s) 39.2 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

13. Class of Service (CoS) Profile (N)

For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection. (N)

A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement. However, technical limitations exist as discussed in TR-73632 that limit the total number of different CoS profiles that can be utilized in a single Virtual Connection network arrangement. (N)

The CoS and percentage bandwidth selected for a Virtual Connection will define the applications that can be supported and its Quality of Service (QoS) attributes such as traffic priority, latency, packet loss rate, etc. QoS attributes are defined for each CoS. Each Virtual Connection will support Ethernet traffic representing one or more applications and CoS. Virtual Connections support the four following CoS: (N)

- Real-Time[1]: This CoS supports VoIP applications. The Real-Time CoS is supported by a low latency queue. The Low Latency Queuing (LLQ) feature in the Ethernet network is used for support of the Real-Time CoS. (N)
- Interactive[1]: This CoS supports interactive Video applications. The Interactive CoS is policed to a maximum bandwidth. (N)
- Business Critical: This CoS supports mission-critical business data applications. These applications tend to be data specific and may include medical imaging, electronic funds transfer, medical records transfer, etc. (N)
- Best-Effort: This CoS is the default CoS for all other traffic that is not defined as Business Critical, Real-Time or Interactive. Traffic that does not match the other CoS will be mapped as Best Effort. Traffic with the Best Effort CoS will have the lowest priority on the network and will support lower priority data applications, such as email and file transfer protocol (FTP). (N)

Each customer packet from a Virtual Connection will be classified and assigned to a specific CoS by methods identified in TR-73632. (N)

**Note 1:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A.** Explanation of Terms (Cont'd)

***14.*** Reconfiguration Changes (T)(M)

A customer request to modify a BellSouth Metro Ethernet Service connection subsequent to the establishment of the connection is considered a reconfiguration change. Nonrecurring charges provided for processing certain reconfiguration changes are the Service Reconfiguration Charge and System Reconfiguration Charge. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the reconfiguration change request and applies as specifically set forth herein in lieu of other BellSouth Metro Ethernet Service nonrecurring charges. Such changes are not treated as disconnects and do not change minimum period requirements. (M)

A Service Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required is a minor change that does not involve changing the physical service type[1]. The Service Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.b. following for a request to change an existing connection to a different connection that is the same physical service type[1] that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The Service Reconfiguration Charge is also applicable for a request to change an existing Premium connection from fixed mode to burst mode (and vice versa)***,*** for a request to add or delete the Priority Plus feature on an existing Premium connection ***and for a request to change the CoS Profile on an existing Virtual connection***. (M)(C)

A System Reconfiguration Charge is applicable as set forth herein this tariff for requests where the work required involves changing to a different physical service type[1] or involves major support system changes. The System Reconfiguration Charge is applicable as set forth in A40.13.2.C.5.a. following for requests to change an existing connection to a different connection that is a different physical service type[1] that is a lower order of service per the BellSouth Metro Ethernet hierarchy set forth in A40.13.2.C.4. following. The System Reconfiguration Charge is also applicable to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice-versa) and to change the premises powering options from AC power to DC power (or vice-versa). (M)

***15.*** Metro Ethernet Reporting Charge (T)(M)

Customers with Premium ***or Virtual*** Metro Ethernet Service, as an optional feature, may order Metro Ethernet Reporting that provides customers a view into their BellSouth Metro Ethernet Service Network via a Web interface and Security Card. The Metro Ethernet Reporting charge provides Alarm Surveillance, Service Level Agreement Reporting, and Performance Reporting for the various network components that comprise the customer's BellSouth Metro Ethernet Service network. It is only available to customers purchasing Premium ***or Virtual*** BellSouth Metro Ethernet Service and is charged for each Premium ***or Virtual*** Metro Ethernet Service connection. (T)(M)

**Note 1:** The physical service type/speed of each Metro Ethernet Connection is provided in A40.13.2.C.4. following. (M)

Material appearing on this page previously appeared on page(s) 39 of this section.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**A**. Explanation of Terms (Cont'd)

***16***. Metro Ethernet Reporting Service Establishment Charge (T)

The Service Establishment Charge is a nonrecurring charge that applies per BellSouth Metro Ethernet Service customer account. This service charge covers the initial establishment of the Metro Ethernet Reporting account for each customer. A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account.

***17***. Metro Ethernet Reporting Web Interface Charge (T)

All customers purchasing Metro Ethernet Reporting must have a Web Interface. This connection allows the customer to access and monitor their network via the Web. Each web interface provides for one concurrent access; additional concurrent accesses will require additional web interfaces. The first Web Interface is included in the initial installation of the Metro Ethernet Reporting feature. A monthly charge and a nonrecurring charge are applicable for each additional Web Interface connection. (T)

***18***. Metro Ethernet Security Card Charge (T)

A Security Card is required for each Web Interface. Each security card can only be used for a single concurrent access and can be associated with only one web interface. A Security Card charge will apply for initial and additional cards, or for the issuance of additional cards to replace lost, damaged or expired cards. A nonrecurring charge is applicable per Security Card.

***19*.** Automatic Protection Switching (APS) (T)

Automatic Protection Switching (APS) is an optional feature as described in A40.13.2.C.9. following that provides customers with the option of having data channel survivability through the use of a secondary fiber path that is diverse from the path provided with their primary Metro Ethernet Connection.

20. Service Level Agreements (SLAs) (N)

BellSouth Metro Ethernet Service Customer networks comprised of Premium Connections or Virtual Connections with Metro Ethernet Reporting are provided Service Level Agreements (SLAs) for the Telephone Company's repair and performance commitments for this service. Credits are provided for missed commitments on such service. The specific SLA commitments and credits applicable are set forth in Section A40.13.2.B.6. following for Premium Connections and in Section A40.13.2.B.7. following for Virtual Connections. **(N)**

**B.** Basis of Offering

1. Suspension of service is not allowed.
2. BellSouth Metro Ethernet Service is available 24 hours per day, 7 days per week, except for preventive maintenance.
3. Obligations of customer and Company
   a. The Company is not responsible for the installation, operation, or maintenance of any equipment provided by the customer.
   b. The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Company.
   c. At the Service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.
   d. Application testing described in A2.5.11 of this Tariff is not available for BellSouth Metro Ethernet Service components and features.
4. The minimum service period for all BellSouth Metro Ethernet Service tariff components is twelve months.
5. Due to the nature of BellSouth Metro Ethernet Service it will be necessary to perform preventive maintenance and software updates. This will mean that BellSouth Metro Ethernet Service and BellSouth Metro Ethernet Reporting will be unavailable during the period of time when preventive maintenance is being performed. This could result in BellSouth Metro Ethernet Service and BellSouth Metro Ethernet Reporting being unavailable during the period of time between 1:00 AM and 5:00 AM Eastern Time on any given Wednesday or Sunday morning. The Company upon written notice to the customer may adjust the maintenance window. (T)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

***6***. Service Level Agreement ***for Premium BellSouth Metro Ethernet Service*** (T)

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for Metro Ethernet Reporting customers. Credits are provided for missed commitments to Premium customers purchasing the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to Metro Ethernet Reporting customers ***with Premium Metro Ethernet Connections. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632.*** (T)

Repair

- BellSouth Metro Ethernet Service Time-to-Repair[1] (T)
- Repair commitments are measured on a per occurrence basis

Network Service Levels

- BellSouth Metro Ethernet Service Network Availability
- BellSouth Metro Ethernet Service Network Latency
- Network Service Level Commitments are monthly performance measurements

a. SLA Definitions:

BellSouth Metro Ethernet Service Time-To-Repair

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection. This measure will require the customer to report the problem to the BellSouth repair center.
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold.

BellSouth Metro Ethernet Service Network Availability

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network are not eligible for the Network Availability SLA and one will not be provided.
- The Service Level Commitment will be calculated by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control.

**Note 1:** SLA not applicable if missed due to LightGate service or SmartRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SmartRing service as alternate transport. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

***6.*** Service Level Agreement ***for Premium BellSouth Metro Ethernet Service*** (Cont'd) (T)

a. SLA Definitions: (Cont'd)

BellSouth Metro Ethernet Service Network Latency -

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA and one will not be provided.
- The Service Level Commitment will be calculated by averaging the measured latency within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period.

b. The Company's Service Level Commitments for BellSouth Metro Ethernet Service are as follows:

- BellSouth Metro Ethernet Service Time-To-Repair - 4 hours
- BellSouth Metro Ethernet Service Network Availability - 99.9%
- BellSouth Metro Ethernet Service Network Latency - 55 milliseconds

c. SLA Restrictions

- The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows:
- A customer must subscribe to the Metro Ethernet Premium Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments.
- Credits are not provided for partial month service.
- A customer's account must be current to receive a credit.

SLA credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control ***include***, but ***are*** not limited to, the following: (T)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
- labor difficulties, governmental orders, civil commotions, declared National Emergencies, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control,
- the customer's premises equipment, and
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premise.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

***6***. Service Level Agreement ***for Premium Metro Ethernet Service*** (Cont'd) (T)

c. SLA Restrictions (Cont'd)

The customer must request a credit within one calendar month of the Company missing a BellSouth Metro Ethernet Service Level Commitment. ***A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request.*** The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure. (T)

d. SLA Credits for Metro Ethernet Reporting

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (1) thru (3) following):

BellSouth Metro Ethernet Service Time-To-Repair

0 to 4 hours per incident – No Credit

Over 4 hours to 24 hours per incident – Credit 3 days MRC

Each additional 24-hour period, per incident – Credit additional 3 days MRC

BellSouth Metro Ethernet Service Network Availability – Credit 3 days MRC

BellSouth Metro Ethernet Service Network Latency – Credit 3 days MRC

The SLA credit amount will be determined by applying the credits outlined above to the rate elements or total billed revenues specified following. Credits for all SLAs for a calendar month cannot exceed the MRC for the BellSouth Metro Ethernet Service components. Credits are not provided for partial month service.

(1) BellSouth Metro Ethernet Service Time-To-Repair Credit - The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Multiple trouble tickets on the same day for the same Customer Connection will only be eligible for one time-to-repair credit. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections.

(2) BellSouth Metro Ethernet Service Network Availability Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Availability SLA.

(3) BellSouth Metro Ethernet Service Network Latency Credit – The credit will apply for each Metro Ethernet Service Connection that does not meet the latency commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Latency SLA

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual BellSouth Metro Ethernet Service (N)

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for Metro Ethernet Reporting customers. Credits are provided for missed commitments to Virtual customers purchasing the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections. SLAs will be applied on a per Class of Service (CoS) basis for Virtual Connections; traffic representing the different CoS (i.e., Real-Time, Interactive, Business Critical and Best Effort) transported across the same Virtual Connection will have different SLAs. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

Repair (N)

- BellSouth Metro Ethernet Service Time-to-Repair[1] (N)
- Repair commitments are measured on a per occurrence basis for all CoS (N)

Network Service Levels (N)

- BellSouth Metro Ethernet Service Network Availability (N)
- BellSouth Metro Ethernet Service Network Latency[2] (N)
- BellSouth Metro Ethernet Service Network Jitter[2, 3] (N)
- BellSouth Metro Ethernet Service Network Packet Delivery[2] (N)
- Network Service Level Commitments are monthly performance measurements by CoS (N)

a. SLA Definitions: (N)

BellSouth Metro Ethernet Service Time-To-Repair (N)

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection for all CoS. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold. (N)

BellSouth Metro Ethernet Service Network Availability (N)

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time by CoS during a calendar month that the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network (i.e., do not span more than one switch in the core network) are not eligible for the Network Availability SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated by CoS by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control. (N)

**Note 1:** SLA not applicable if missed due to LightGate service or SMARTRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SMARTRing service as alternate transport. (N)

**Note 2:** SLA not applicable for Best Effort CoS. (N)

**Note 3:** SLA not applicable for Business Critical CoS. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

a. SLA Definitions: (Cont'd) (N)

BellSouth Metro Ethernet Service Network Latency - (N)

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured latency for each eligible CoS within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

BellSouth Metro Ethernet Service Network Jitter - (N)

- BellSouth Metro Ethernet Service Network Jitter measures the average variability, measured in time (milliseconds) between the actual packet transmission rate and the expected packet transmission rate with the core network for Interactive and Real-Time CoS. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Jitter SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated for the Interactive CoS and Real-Time CoS by averaging the measured jitter of simulated traffic for each of the customer's eligible CoS queue within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

BellSouth Metro Ethernet Service Network Packet Delivery - (N)

- BellSouth Metro Ethernet Service Network Packet Delivery measures the percentage of packets conforming to the committed bandwidth profile that are delivered across the core network, without being dropped or lost as a result of a fault within the Virtual Ethernet network. Core Network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Packet Delivery SLA and one will not be provided. (N)
- The Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured packet delivery for each eligible CoS within the Metro Ethernet Customer Network between each pair of connections over a thirty-day period. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

b. The Company's Service Level Commitments for Virtual BellSouth Metro Ethernet Service are as follows: (N)

- BellSouth Metro Ethernet Service Time-To-Repair : (N)
  - . Best Effort CoS: 4 hours or less (N)
  - . Business Critical CoS: 4 hours or less (N)
  - . Interactive CoS: 4 hours or less (N)
  - . Real-Time CoS: 4 hours or less (N)

- BellSouth Metro Ethernet Service Network Availability : (N)
  - . Best Effort CoS: 99.500% or greater (N)
  - . Business Critical CoS: 99.995% or greater (N)
  - . Interactive CoS: 99.995% or greater (N)
  - . Real-Time CoS: 99.995% or greater (N)

- BellSouth Metro Ethernet Service Network Latency (one-way) : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: 15 milliseconds or less (N)
  - . Interactive CoS: 5 milliseconds or less (N)
  - . Real-Time CoS: 5 milliseconds or less (N)

- BellSouth Metro Ethernet Service Network Jitter : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: Not Applicable (N)
  - . Interactive CoS: 1 millisecond or less (N)
  - . Real-Time CoS: 1 millisecond or less (N)

- BellSouth Metro Ethernet Service Network Packet Delivery : (N)
  - . Best Effort CoS: Not Applicable (N)
  - . Business Critical CoS: 99.900% or greater (N)
  - . Interactive CoS: 99.950% or greater (N)
  - . Real-Time CoS: 99.995% or greater (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

c. SLA Restrictions (N)

- The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows: (N)
- A customer must subscribe to the Metro Ethernet Virtual Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
- Credits are not provided for partial month service. (N)
- A customer's account must be current to receive a credit. (N)

SLA credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control include, but are not limited to, the following: (N)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
- labor difficulties, governmental orders, civil commotions, declared National Emergencies, criminal actions against the Company, acts of God, war, or other circumstances beyond the Company's control, (N)
- the customer's premises equipment, and (N)
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premise. (N)

The customer must request a credit within one calendar month of the Company missing a BellSouth Metro Ethernet Service Level Commitment. A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request. The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**B.** Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual Metro Ethernet Service (Cont'd) (N)

d. SLA Credits for Metro Ethernet Reporting (N)

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (1) thru (3) following). A maximum of one credit will be applied monthly per Connection for an SLA not met for any CoS that is supported by the customer's CoS profile (i.e., a maximum of one credit is applicable for an SLA even if missed for multiple CoS). (N)

BellSouth Metro Ethernet Service Time-To-Repair (N)

0 to 4 hours per incident – No Credit (N)

Over 4 hours to 24 hours per incident – Credit 3 days MRC (N)

Each additional 24-hour period, per incident – Credit additional 3 days MRC (N)

BellSouth Metro Ethernet Service Network Availability – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Latency – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Jitter – Credit 3 days MRC (N)

BellSouth Metro Ethernet Service Network Packet Delivery – Credit 3 days MRC (N)

The SLA credit amount will be determined by applying the credits outlined above to the rate elements or total billed revenues specified following. Credits for all SLAs for a calendar month cannot exceed the MRC for the BellSouth Metro Ethernet Service components. Credits are not provided for partial month service. (N)

(1) BellSouth Metro Ethernet Service Time-To-Repair Credit - The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Multiple trouble tickets on the same day for the same Customer Connection will only be eligible for one time-to-repair credit. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. (N)

(2) BellSouth Metro Ethernet Service Network Availability Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. (N)

(3) BellSouth Metro Ethernet Service Network Latency Credit – The credit will apply for each Metro Ethernet Service Connection that does not meet the latency commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Latency SLA (N)

(4) BellSouth Metro Ethernet Service Network Jitter Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the jitter commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Jitter SLA. (N)

(5) BellSouth Metro Ethernet Service Network Packet Delivery Credit –The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the packet delivery commitment for any eligible CoS. Credit will apply to all Monthly Recurring Charges associated with the affected customer connections. BellSouth Metro Ethernet Networks that do not traverse the core network are not eligible for credits under the BellSouth Metro Ethernet Service Network Packet Delivery SLA. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service

1. Rates and charges contained in this Tariff consist of the following elements:
   a. Basic BellSouth Metro Ethernet Service Connection
   b. Premium BellSouth Metro Ethernet Service Connection
   c. Dedicated BellSouth Metro Ethernet Service Connection
   d. Virtual BellSouth Metro Ethernet Service Connection (N)
   ***e.*** BellSouth Metro Ethernet Service Additional Mileage Charges (T)
   ***f.*** Priority Plus (T)
   ***g***. Q-Forwarding (T)
   h. VLAN Aggregation (N)
   ***i.*** Metro Ethernet Reporting (T)
   j**.** Class of Service (CoS) Profile (N)
   ***k***. Automatic Protection Switching (APS) (T)
   ***l.*** Service Reconfiguration (T)
   ***m***. System Reconfiguration
2. All service connection charges for BellSouth Metro Ethernet Service are included in the respective nonrecurring charges specified herein.
3. BellSouth Metro Ethernet Service Connections are provided utilizing various Ethernet equipment configurations referred to herein as "physical service types". The physical service type of each BellSouth Metro Ethernet Connection is provided in the chart in A40.13.2.C.4. following.

   A hierarchy of the various BellSouth Metro Ethernet Service Connections by capability (i.e., dedicated, basic**,** premium ***or virtual***) and speed is provided in the chart in A40.13.2.C.4. following. This chart provides a higher order of service ranking that is utilized to determine the appropriate nonrecurring charge for reconfiguration requests. (C)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

4. The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (i.e., the BellSouth Metro Ethernet Service hierarchy).

| **Metro Ethernet Connection (Mbps):** | **Physical Service Type:** | **Higher Order of Service (Mbps):** | |
|---|---|---|---|
| - Dedicated 100 | Dedicated I | Basic 1000; Dedicated 1000; Premium[1] 100,250 500***;Virtual 50,80,100,200,300,450,600,750,900*** | (C) |
| - Dedicated 1000 | Dedicated II | Premium[1] 500***;Virtual 450,600,750,900*** | (C) |
| - Basic 10 | Basic I | Basic 100 ,1000; Premium[1] 10, 20, 50, 100, 250,500***;Virtual 10,20,50,80,100,200,300,450,600,750,900*** | (C) |
| - Basic 100 | Basic II | Basic 1000; Premium[1] 100, 250,500***; Virtual 80,100,200,300,450,600,750,900*** | (C) |
| - Basic 1000 | Basic III | Premium[1] 500***; Virtual 450,600,750,900*** | (C) |
| - Premium[1] 10 | Premium I | Basic 1000; Premium[1] 20, 50, 100, 250,500***; Virtual 10,20,50,8,100,200,300,450,600,750,900*** | (C) |
| - Premium[1] 20 | Premium I | Basic 1000; Premium[1] 50,100, 250 ,500***; Virtual 20,50,80,100,200,300,450,600,750,900*** | (C) |
| - Premium[1] 50 | Premium I | Premium[1] 100, 250,500***; Virtual 50,80,100,200,300,450,600,750,900*** | (C) |
| - Premium[1] 100 | Premium II | Premium[1] 250,500***; Virtual 100,200,300,450,600,750,900*** | (C) |
| - Premium[1] 250 | Premium II | Premium[1] 500***; Virtual 300,450,600,750,900*** | (C) |
| - Premium[1] 500 | Premium II | ***Virtual 450,600,750,900*** | (C) |
| - Virtual 10 | Virtual I | Basic 1000; Premium[1] 20,50,100,250,500; Virtual 20,50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 20 | Virtual I | Basic 1000; Premium[1] 50,100,250,500; Virtual 50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 50 | Virtual I | Basic 1000; Premium[1] 100,250,500; Virtual 80,100,200, 300,450,600,750,900 | (N) |
| - Virtual 80 | Virtual I | Basic 1000; Premium[1] 100,250,500; Virtual 100,200,300,450,600,750,900 | (N) |
| - Virtual 100 | Virtual II | Premium[1] 250,500; Virtual 200,300,450,600,750,900 | (N) |
| - Virtual 200 | Virtual II | Premium[1] 500; Virtual 300,450,600,750,900 | (N) |
| - Virtual 300 | Virtual II | Premium[1] 500; Virtual 450,600,750,900 | (N) |
| - Virtual 450 | Virtual II | Virtual 600,750,900 | (N) |
| - Virtual 600 | Virtual II | Virtual 750,900 | (N) |
| - Virtual 750 | Virtual II | Virtual 900 | (N) |
| - Virtual 900 | Virtual II | None offered at this time | (N) |

Note in the above chart that Dedicated/Basic 1 Gbps services are referred to as Dedicated/Basic 1000 Mbps.

**Note 1:** Fixed Mode or Burst Mode.

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

5. Requests by a customer to change from one BellSouth Metro Ethernet Service arrangement to another BellSouth Metro Ethernet Service arrangement will be considered as reconfiguration change requests. Such reconfiguration changes are not treated as disconnects and do not change minimum period requirements. These requests must be for the same customer at the same location, and the service orders to accomplish the reconfiguration change requested must be related together and have no lapse in service.

   a. A customer request to change an existing BellSouth Metro Ethernet Service arrangement to a new arrangement that is a different physical service type (per the hierarchy chart) is considered a system reconfiguration request.

      If the new arrangement requested is a lower order of service, the System Reconfiguration Charge shall apply.

      If the new arrangement requested is a higher order of service, nonrecurring charges shall not apply (i.e., the System Reconfiguration Charge is not applicable).

   b. A customer request to change an existing BellSouth Metro Ethernet Service arrangement to a new arrangement that is the same physical service type (per the hierarchy chart) is considered a service reconfiguration request.

      If the new arrangement requested is a lower order of service, the Service Reconfiguration Charge shall apply.

      If the new arrangement requested is a higher order of service, nonrecurring charges shall not apply (i.e., the Service Reconfiguration Charge is not applicable).

6. A request to modify an existing BellSouth Metro Ethernet Connection as set forth following does not change the order of service or physical service type from the existing connection. Such a change is not treated as a disconnect, and there will be no change in the minimum period requirements. (N)

   a. A Premium BellSouth Metro Ethernet Connection-Fixed Mode and Premium BellSouth Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same order of service and same physical service type. A Service Reconfiguration Charge is applicable for a customer request to reconfigure a Premium BellSouth Metro Ethernet Connection from Fixed Mode to Burst Mode (at the same speed), or vice versa; this nonrecurring charge is in lieu of the nonrecurring charge for the new connection. (N)

   b. A request to modify the CoS Profile on an existing Virtual BellSouth Metro Ethernet Connection is not considered as a request to change the order of service or physical service type. A Service Reconfiguration Charge is applicable for such a request. (N)

***7***. Customers cannot mix BellSouth Metro Ethernet Service and Native Mode LAN Interconnection (NMLI) Services from A40.3 preceding on the same Metro Ethernet Customer Network. (T)

***8***. A System Reconfiguration Charge is applicable for a customer request to change the premises powering option (AC power to DC power, or vice versa) or NCTE signaling interface option (optical to electrical, or vice versa) on an existing BellSouth Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements. (T)

***9***. Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. (T)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

**C.** Provision of Service (Cont'd)

***10.*** Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to a customer with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Service Connection. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (C)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail-over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs.

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection).

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion.

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes.

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located).

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute).

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.2 Regulations (Cont'd)

C. Provision of Service (Cont'd)

11. Basic, Premium and Virtual BellSouth Metro Ethernet Service Connections of 10 Mbps or higher may alternatively be provided to a customer premises over the customer's LightGate service or SMARTRing service. (N)

The customer is required to purchase the appropriate LightGate service or SMARTRing service BellSouth Metro Ethernet Backbone interfaces that are a bandwidth equal to the bandwidth of the BellSouth Metro Ethernet Service backbone transport that is standard for the specific type and speed of BellSouth Metro Ethernet Service Connection serving that customer premises. (A chart is provided herein which sets forth the backbone bandwidth of each type and speed of BellSouth Metro Ethernet Service Connection.) Standard BellSouth Metro Ethernet Service features are available on such alternative arrangements, with the exception that Automatic Protection Switching is not available. (N)

For such applications using LightGate service or SMARTRing service as alternate transport, the BellSouth Metro Ethernet Service Connection will provide data channel transport to connect the termination of the LightGate service or SMARTRing service at the central office node, to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service Connection (i.e., the central office of the Metro Ethernet Service switch). (N)

When the LightGate service or SMARTRing service central office node is located greater than 10 miles from the BellSouth Metro Ethernet Service wire center, BellSouth Metro Ethernet Service Additional Mileage charges will also be applicable. (N)

| Metro Ethernet Connection | Metro Ethernet Backbone Bandwidth | (N) |
|---|---|---|
| Basic 10 Mbps | 100 Mbps (1 STS-1) | (N) |
| Basic 100 Mbps | 100 Mbps (3 STS-1) | (N) |
| Basic 1000 Mbps | 1000 Mbps | (N) |
| Premium 10, 20, 50 Mbps | 100 Mbps (3 STS-1) | (N) |
| Premium 100, 250, 500 Mbps | 1000 Mbps | (N) |
| Virtual 10, 20, 50, 80 Mbps | 100 Mbps (3 STS-1) | (N) |
| Virtual 100, 200, 300, 450, 600, 750, 900 Mbps | 1000 Mbps | (N) |

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

D. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|---|
| 1. 10 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **$1000.00** | **$ 930.00** | **$ 700.00** | **$ 630.00** | **MTEV3** | (N) |
| 2. 20 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1000.00** | **1210.00** | **930.00** | **837.00** | **MTEV4** | (N) |
| 3. 50 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1000.00** | **1660.00** | **1290.00** | **1161.00** | **MTEV5** | (N) |
| 4. 80 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1000.00** | **1855.00** | **1445.00** | **1301.00** | **MTEV6** | (N) |
| 5. 100 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1500.00** | **2050.00** | **1600.00** | **1440.00** | **MTEV7** | (N) |
| 6. 200 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1500.00** | **2610.00** | **2050.00** | **1845.00** | **MTEV8** | (N) |
| 7. 300 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1500.00** | **2945.00** | **2420.00** | **2178.00** | **MTEV9** | (N) |
| 8. 450 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1500.00** | **3540.00** | **2790.00** | **2511.00** | **MTEVA** | (N) |
| 9. 600 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1750.00** | **4205.00** | **3325.00** | **2993.00** | **MTEVB** | (N) |
| 10. 750 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **1750.00** | **4900.00** | **3880.00** | **3492.00** | **MTEVC** | (N) |
| 11. 900 Mbps Virtual Connection | | | | | | (N) |
| (a) per connection | **2000.00** | **5345.00** | **4425.00** | **3983.00** | **MTEVD** | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

***E***. BellSouth Metro Ethernet Service Additional Mileage (T)

1. BellSouth Metro Ethernet Service Additional Mileage,
   BellSouth Metro Ethernet Service arrangements greater than 10 through 25 airline miles

| | | Monthly Charge | USOC |
|---|---|---|---|
| (a) | per 10 through 99 Mbps Connection | **$370.00** | **MTEMA** |
| (b) | per 100 through 499 Mbps Connection | **460.00** | **MTEMB** |
| (c) | per 500 Mbps through 1 Gbps Connection | **560.00** | **MTEMC** |

2. BellSouth Metro Ethernet Service Additional Mileage,
   BellSouth Metro Ethernet Service arrangements greater than 25 through 35 airline miles

| | | | |
|---|---|---|---|
| (a) | per 10 through 99 Mbps Connection | **620.00** | **MTEME** |
| (b) | per 100 through 499 Mbps Connection | **780.00** | **MTEMF** |
| (c) | per 500 Mbps through 1 Gbps Connection | **930.00** | **MTEMG** |

3. BellSouth Metro Ethernet Service Additional Mileage,
   BellSouth Metro Ethernet Service arrangements greater than 35 through 50 airline miles

| | | | |
|---|---|---|---|
| (a) | per 10 through 99 Mbps Connection | **970.00** | **MTEMJ** |
| (b) | per 100 through 499 Mbps Connection | **1210.00** | **MTEMK** |
| (c) | per 500 Mbps through 1 Gbps Connection | **1460.00** | **MTEML** |

***F***. Priority Plus Feature[1] (T)

| | | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC |
|---|---|---|---|---|---|---|
| (a) | per connection | **$-** | **$125.00** | **$100.00** | **$90.00** | **MTETP** |

***G***. Q-Forwarding Feature[1] (T)

1. Q-forwarding Service Establishment Charge

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) | per connection | **500.00** | **-** | **-** | **-** | **MTEQF** |

2. Q-Forwarding Network Assignment Charge

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) | per network, per connection | **-** | **90.00** | **75.00** | **70.00** | **MTEQN** |

H. VLAN Aggregation Feature[2] (N)

1. VLAN Aggregation Service Establishment Charge (N)

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) | per connection | **500.00** | **-** | **-** | **-** | **MTEQE** (N) |

2. VLAN Aggregation, Network Assignment Charge (N)

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) | per VLAN, per connection | **-** | **90.00** | **75.00** | **70.00** | **MTEQV** (N) |

**Note 1:** Optional feature only available with a Premium Connection.

**Note 2:** Optional feature only available with a Virtual Connection. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

***I.*** Metro Ethernet Reporting[1] (T)

1. Metro Ethernet Reporting Service Establishment Charge

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC |
|---|---|---|---|---|---|
| (a) per customer account | **$250.00** | **$-** | **$-** | **$-** | **CNMSE** |

2. Metro Ethernet Reporting Charge

| | | | | | |
|---|---|---|---|---|---|
| (a) per connection | **-** | **14.00** | **10.00** | **8.00** | **CNMME** |

3. Metro Ethernet Web Interface Charge

| | | | | | |
|---|---|---|---|---|---|
| (a) first | **-** | **-** | **-** | **-** | **CNMWF** |
| (b) each additional | **75.00** | **25.00** | **20.00** | **18.00** | **CNMWE** |

4. Metro Ethernet Security Card

| | | | | | |
|---|---|---|---|---|---|
| (a) each | **200.00** | **-** | **-** | **-** | **CNMSC** |

**Note 1:** Optional feature only available with a Premium ***or a Virtual*** Connection. (C)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

J. Class of Service (CoS) Profile[1] (N)

1. Real-Time CoS[2] (N)

| | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|
| (a) 10% | **$ 54.00** | **$ 54.00** | **$ 54.00** | **MTETF** | (N) |
| (b) 20% | **108.00** | **108.00** | **108.00** | **MTETG** | (N) |
| (c) 25% | **135.00** | **135.00** | **135.00** | **MTETH** | (N) |
| (d) 30% | **162.00** | **162.00** | **162.00** | **MTETJ** | (N) |
| (e) 35% | **189.00** | **189.00** | **189.00** | **MTETK** | (N) |
| (f) 40% | **216.00** | **216.00** | **216.00** | **MTETL** | (N) |
| (g) 50% | **270.00** | **270.00** | **270.00** | **MTETM** | (N) |
| (h) 70% | **378.00** | **378.00** | **378.00** | **MTETO** | (N) |

2. Interactive CoS[2] (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 10% | **45.00** | **45.00** | **45.00** | **MTEVF** | (N) |
| (b) 20% | **90.00** | **90.00** | **90.00** | **MTEVG** | (N) |
| (c) 25% | **112.00** | **112.00** | **112.00** | **MTEVH** | (N) |
| (d) 30% | **135.00** | **135.00** | **135.00** | **MTEVJ** | (N) |
| (e) 35% | **157.00** | **157.00** | **157.00** | **MTEVK** | (N) |
| (f) 40% | **180.00** | **180.00** | **180.00** | **MTEVL** | (N) |
| (g) 50% | **225.00** | **225.00** | **225.00** | **MTEVM** | (N) |

**Note 1**: Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

J. Class of Service (CoS) Profile[1] (Cont'd) (N)

3. Business Critical CoS (N)

| | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC | |
|---|---|---|---|---|---|
| (a) 10% | **$ 27.00** | **$ 27.00** | **$ 27.00** | **MTEPF** | (N) |
| (b) 20% | **54.00** | **54.00** | **54.00** | **MTEPG** | (N) |
| (c) 25% | **67.00** | **67.00** | **67.00** | **MTEPH** | (N) |
| (d) 30% | **81.00** | **81.00** | **81.00** | **MTEPJ** | (N) |
| (e) 35% | **94.00** | **94.00** | **94.00** | **MTEPK** | (N) |
| (f) 40% | **108.00** | **108.00** | **108.00** | **MTEPL** | (N) |
| (g) 50% | **135.00** | **135.00** | **135.00** | **MTEPM** | (N) |
| (h) 60% | **162.00** | **162.00** | **162.00** | **MTEPN** | (N) |
| (i) 75% | **202.00** | **202.00** | **202.00** | **MTEPP** | (N) |
| (j) 90% | **243.00** | **243.00** | **243.00** | **MTEPQ** | (N) |
| (k) 100% | **270.00** | **270.00** | **270.00** | **MTEPR** | (N) |

4. Best Effort CoS (N)

| | | | | | |
|---|---|---|---|---|---|
| (a) 10% | **9.00** | **9.00** | **9.00** | **MTEBF** | (N) |
| (b) 20% | **18.00** | **18.00** | **18.00** | **MTEBG** | (N) |
| (c) 25% | **22.00** | **22.00** | **22.00** | **MTEBH** | (N) |
| (d) 30% | **27.00** | **27.00** | **27.00** | **MTEBJ** | (N) |
| (e) 35% | **31.00** | **31.00** | **31.00** | **MTEBK** | (N) |
| (f) 40% | **36.00** | **36.00** | **36.00** | **MTEBL** | (N) |
| (g) 50% | **45.00** | **45.00** | **45.00** | **MTEBM** | (N) |
| (h) 60% | **54.00** | **54.00** | **54.00** | **MTEBN** | (N) |
| (i) 75% | **67.00** | **67.00** | **67.00** | **MTEBP** | (N) |
| (j) 90% | **81.00** | **81.00** | **81.00** | **MTEBQ** | (N) |

**Note 1**: Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

# A40. FAST PACKET TRANSPORT SERVICES

## A40.13 BellSouth Metro Ethernet Service (Cont'd)

### A40.13.3 Rates and Charges (Cont'd)

***K***. Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Company. (C)

1. Structural Protection

| | Nonrecurring Charge | Month to Month | 12 to 36 Months | 37 to 60 Months | USOC |
|---|---|---|---|---|---|
| (a) per APS Arrangement of less than 10 route miles | **$ 1000.00** | **$1900.00** | **$1250.00** | **$1092.00** | **MTEAO** |
| (b) per APS Arrangement of 10 through 25 route miles | **1500.00** | **2145.00** | **1496.00** | **1301.00** | **MTEA1** |
| (c) per APS Arrangement of greater than 25 through 35 route miles | **2000.00** | **2445.00** | **1798.00** | **1679.00** | **MTEA2** |
| (d) per APS Arrangement of greater than 35 through 50 route miles | **2500.00** | **2900.00** | **2452.00** | **2376.00** | **MTEA3** |

2. Route Protection

| | | | | | |
|---|---|---|---|---|---|
| (a) per APS Arrangement of less than 10 route miles | **1500.00** | **2320.00** | **1470.00** | **1285.00** | **MTEA5** |
| (b) per APS Arrangement of 10 through 25 route miles | **2000.00** | **2610.00** | **1760.00** | **1530.00** | **MTEA6** |
| (c) per APS Arrangement of greater than 25 through 35 route miles | **2500.00** | **2965.00** | **2115.00** | **1975.00** | **MTEA7** |
| (d) per APS Arrangement of greater than 35 through 50 route miles | **3000.00** | **3435.00** | **2885.00** | **2795.00** | **MTEA8** |

***L***. Service Reconfiguration Charge (T)

| | | | | | |
|---|---|---|---|---|---|
| (a) per request, per connection | **250.00** | - | - | - | **MTESR** |

***M***. System Reconfiguration Charge (T)

| | | | | | |
|---|---|---|---|---|---|
| (a) per request, per connection | **900.00** | - | - | - | **MTESY** |

**Note 1:** Optional feature only available with a Basic**,** Premium ***or Virtual*** Connection. (C)

**Note 2:** Per definition of route miles as provided in A40.13.2.C.***11***. preceding. (T)

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.1 General (Cont'd)

**C.** Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System.

Local Channel Systems:

| | Asynchronous | Synchronous | | | | | |
|---|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 | |
| Customer Channel Interfaces | | | | | | | |
| DS1 | Yes | Yes | Yes | No | Yes[1] | Yes[1] | |
| Flex DS1 | No | No | No | Yes[2] | Yes[2] | Yes[2] | |
| DS3 | Yes | No | Yes | Yes | Yes | Yes[1] | |
| DS3 Asymmetrical with DS1 | No | No | Yes | No | No | No | |
| DS3 Asymmetrical with Flex DS1 | No | No | No | Yes[2] | Yes[2] | Yes[2] | |
| STS-1 | No | Yes | Yes | Yes | Yes | Yes[1] | |
| OC-3 | No | No | Yes | Yes | Yes | Yes | |
| OC-12 | No | No | No | No | Yes | Yes | |
| OC-48 | No | No | No | No | No | Yes | |
| 10 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] | |
| 100 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] | |
| 1000 Mbps | No | No | No | No | Yes[4] | Yes[4] | |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | Yes[3] | Yes[3] | Yes[3] | Yes[3] | |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[3] | Yes[3] | |
| 100 Mbps BellSouth Metro Ethernet Backbone | No | No | Yes[5] | Yes[5] | Yes[5] | Yes[5] | (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | No | Yes[5] | Yes[5] | (N) |

**Note 1:** Available only for systems installed on or after October 20, 2003. The maximum number of DS1 Circuits available in a system is 108.

**Note 2**: Available only for systems installed on or after April 14, 2005. The maximum number of Flex DS1 circuits available in a system is 108.

**Note 3**: Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

**Note 4:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 5:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.1 General (Cont'd)

**C.** (Cont'd)

Local Channel Systems:

| | Asynchronous | Synchronous | | | | |
|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 |
| Central Office Channel Interfaces (Cont'd) | | | | | | |
| OC-3 Channel System | No | No | No | Yes | Yes | Yes |
| OC-12 Channel System | No | No | No | No | No | Yes |
| OC-48 Channel System | No | No | No | No | No | Yes |
| 10 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] |
| 100 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] |
| 1000 Mbps | No | No | No | No | Yes[2] | Yes[2] |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | Yes[3] | Yes[1] | Yes[1] | Yes[1] |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[1] | Yes[1] |
| 100 Mbps BellSouth Metro Ethernet Backbone | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | No | Yes[4] | Yes[4] (N) |

(M)

**Note 1:** Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

**Note 2:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Available only for systems installed on or after October 20, 2003.

**Note 4:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

Material previously appearing on this page now appears on page(s) 35.1.2 of this section.

# B7. DIGITAL NETWORK SERVICE (N)

## B7.4 LightGate Service (Cont'd) (N)

### B7.4.1 General (Cont'd) (N)

**C.** (Cont'd) (N)

Interoffice Channel Systems: (M)

| | Asynchronous | Synchronous | | | | | |
|---|---|---|---|---|---|---|---|
| | LG1 | STS-1 | OC-3 | OC-12 | OC-48 | OC-192 | (N) |
| Central Office Channel Interfaces | | | | | | | (M) |
| DS1 | No | No | No | No | No | No | (M) |
| DS3 | Yes | No | Yes | Yes | Yes | Yes [1] | (M)(T) |
| STS-1 | No | Yes | Yes | Yes | Yes | Yes[1] | (M)(T) |
| OC-3 | No | No | Yes | Yes | Yes | Yes | (M) |
| OC-12 | No | No | No | Yes | Yes | Yes | (M) |
| OC-48 | No | No | No | No | Yes | Yes | (M) |
| 28 DS1 Channel System | Yes | No | Yes | Yes | Yes | Yes[1] | (M)(T) |
| STS-1 Channel System | No | Yes | Yes | Yes | Yes | Yes[1] | (M)(T) |
| OC-3 Channel System | No | No | Yes | Yes | Yes | Yes | (M) |
| OC-12 Channel System | No | No | No | No | No | Yes | (M) |
| OC-48 Channel System | No | No | No | No | No | Yes | (M) |
| 10 Mbps | No | No | No | Yes[2] | Yes[2] | Yes[2] | (M)(T) |
| 100 Mbps | No | No | No | Yes[2] | Yes[2] | Yes[2] | (M)(T) |
| 1000 Mbps | No | No | No | No | Yes[3] | Yes[3] | (M)(T) |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | No | No | No | Yes[2] | Yes[2] | Yes[2] | (M)(T) |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | No | Yes[2] | Yes[2] | (M)(T) |

**Note 1:** Available only for systems installed on or after October 20, 2003. (N)

**Note 2:** Available only for OC-12, OC-48 or OC-192 systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface. (N)

**Note 3:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. (N)

Material appearing on this page previously appeared on page(s) 35.1.1 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd) (T)

### B7.4.1 General (Cont'd)

**D.** OC-3, OC-12 and OC-48 LightGate service local channel systems may have an optical physical interface at either the serving wire center or the customer termination location. Where a customer elects to order a LightGate service local channel system with optical termination at the customer's location, the customer's termination equipment must be compatible with Company equipment in the serving wire center. Customers are also required to utilize compatible channel interface combinations to function with Company provided central office channel interfaces. The Company reserves the right to determine the equipment it employs for service. (T)

**E.** This service is available within a LATA where appropriate digital facilities can be made available as determined by the Company. Service inquiries will be necessary to determine availability interval.

**F.** All LightGate services in a customer's package must be channelized in a single equipment location on a customer's premises, i.e., a package cannot be split between premises, or multiple locations within a premises. Standard network interfaces will be provided by the Company for digital services consistent with existing practices for single channel services. (T)

**G.** Individual channels within a LightGate service package may be connected with service offered in other sections of this Tariff and the General Subscriber Service Tariff as appropriate. The regulations, rates and charges in this Tariff are applicable for the LightGate service component of the customer's end-to-end service. Single channel service components (non-LightGateservice links) are subject to the regulations, rates and charges in their respective tariff sections. (T)

**H.** The customer may activate any number or combination of channels within a LightGate service package within the capacity limits of the Basic System. Channels may be activated coincident with installation or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract period. Features (channels) activated under month-to-month rates will have a minimum service period of one month. (T)

**I.** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. (N)

**J.** Two additional levels of reliability are offered as options of basic LightGate service. These service levels provide guaranteed Separate Alternate Facilities Transport (SAFT Levels I & II) for improved protection of local channel systems extended from the first outside plant service access point outside the Company's serving wire center to the last outside plant service access point prior to entering a customer's premises. (T)

SAFT Level I – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, from the primary facilities.

SAFT Level II – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, separate supporting structure and route from the primary facilities. Intermediate equipment, if required, will be configured to prevent a single service interruption point. If existing facilities are not available, special construction charges may apply.

**K.** LightGate service interoffice channel systems are intended to extend LightGate service local channels to other central offices. In addition these channels, may be provided on a stand-alone basis when used in a "link" arrangement with other services in this Tariff and the General Subscriber Service Tariff. (T)

**L.** The level of automatic protection switching capability varies for LightGate service asynchronous and synchronous channels. For asynchronous channels, automatic protection switching capability is a standard service feature that automatically switches customer service to protection facilities upon primary facility failure. Card protection (1+n) is provided for DS1, DS3 and STS-1 channel interfaces as a standard feature. For synchronous channels, automatic protection switching capability is provided via the synchronous customer or central office channel 4-fiber interfaces. These 4-fiber interfaces provide 1+1 optical card protection of the interface. The specifications for these interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference #73501. (T)

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**A.** LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities.

7. Central Office Channel Interfaces

| | | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | **$125.00** | **$24.00** | **$20.00** | **$17.00** | **$16.00** | **1PQE8** | |
| (b) | Per DS3 | **125.00** | **115.00** | **95.00** | **90.00** | **85.00** | **1PQE3** | |
| (c) | Per DS3 (Asymmetrical with DS1/Flex DS1) | **290.00** | **500.00** | **390.00** | **365.00** | **350.00** | **1PQEG** | |
| (d) | Per STS-1 | **125.00** | **175.00** | **140.00** | **130.00** | **120.00** | **1PQE4** | |
| (e) | Per OC-3 (2 Fiber) | **200.00** | **240.00** | **190.00** | **175.00** | **160.00** | **1PQE5** | |
| (f) | Per OC-3 (4 Fiber) | **200.00** | **425.00** | **330.00** | **300.00** | **270.00** | **1PQE6** | |
| (g) | Per OC-12 (2 Fiber) | **360.00** | **640.00** | **495.00** | **450.00** | **405.00** | **1PQEE** | |
| (h) | Per OC-12 (4 Fiber) | **400.00** | **1,280.00** | **990.00** | **900.00** | **810.00** | **1PQED** | |
| (i) | Per OC-48 (2 Fiber) | **500.00** | **1,600.00** | **1,325.00** | **1,215.00** | **1,050.00** | **1PQEO** | |
| (j) | Per OC-48 (4 Fiber) | **500.00** | **3,200.00** | **2,650.00** | **2,430.00** | **2,100.00** | **1PQEF** | |
| (k) | Per 28 DS1 Channel System | **125.00** | **600.00** | **490.00** | **465.00** | **450.00** | **MQ3CO** | |
| (l) | Per DS1 on 28 DS1 Channel System | **125.00** | **15.00** | **8.00** | **7.00** | **6.00** | **1PQEA** | |
| (m) | Per STS-1 Channel System | **125.00** | **600.00** | **490.00** | **465.00** | **450.00** | **1PQE7** | |
| (n) | Per OC-3 Channel System | **125.00** | **1,325.00** | **1,100.00** | **1,000.00** | **900.00** | **1PQE9** | |
| (o) | Per OC-12 Channel System | **125.00** | **2,650.00** | **2,200.00** | **2,000.00** | **1,800.00** | **1PQ12** | |
| (p) | Per OC-48 Channel System | **125.00** | **5,490.00** | **4,410.00** | **4,050.00** | **3,510.00** | **1PQ48** | |
| (q) | Per 1000 Mbps[1] | **400.00** | **740.00** | **520.00** | **475.00** | **425.00** | **1PQEK** | |
| (r) | Per 10 Mbps[2] | **450.00** | **500.00** | **175.00** | **155.00** | **140.00** | **1PQEH** | |
| (s) | Per 100 Mbps (3 STS-1)[2] | **450.00** | **540.00** | **210.00** | **190.00** | **170.00** | **1PQEJ** | |
| (t) | Per Fractional 1000 Mbps[2] | | | | | | | |
| | - 50 Mbps | **450.00** | **520.00** | **190.00** | **170.00** | **150.00** | **1PQEM** | |
| | - 150 Mbps | **450.00** | **560.00** | **230.00** | **210.00** | **190.00** | **1PQEN** | |
| | - 300 Mbps | **450.00** | **600.00** | **300.00** | **280.00** | **260.00** | **1PQER** | |
| | - 450 Mbps | **450.00** | **640.00** | **340.00** | **310.00** | **290.00** | **1PQES** | |
| | - 600 Mbps | **450.00** | **700.00** | **380.00** | **340.00** | **320.00** | **1PQET** | |
| (u) | Per Flex DS1 | **130.00** | **24.00** | **20.00** | **17.00** | **16.00** | **1PQEQ** | |
| (v) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | **800.00** | **500.00** | **175.00** | **155.00** | **140.00** | **1PQEU** | (N) |
| (w) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | **800.00** | **540.00** | **210.00** | **190.00** | **170.00** | **1PQEY** | (N) |
| (x) | Per 1000 Mbps Metro Ethernet Backbone | **850.00** | **740.00** | **520.00** | **475.00** | **425.00** | **1PQEZ** | (N) |

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**A.** LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

8. Customer Channel Interfaces

| | | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | $170.00 | $24.00 | $20.00 | $17.00 | $16.00 | 1PQF1 | |
| (b) | Per DS3 | 125.00 | 115.00 | 95.00 | 90.00 | 85.00 | 1PQF3 | |
| (c) | Per DS3 (Asymmetrical with DS1/Flex DS1) | 280.00 | 500.00 | 390.00 | 365.00 | 350.00 | 1PQFG | |
| (d) | Per STS-1 | 125.00 | 240.00 | 195.00 | 185.00 | 175.00 | 1PQF4 | |
| (e) | Per OC-3 (2 Fiber) | 125.00 | 240.00 | 190.00 | 175.00 | 160.00 | 1PQF5 | |
| (f) | Per OC-3 (4 Fiber) | 125.00 | 475.00 | 380.00 | 350.00 | 320.00 | 1PQF6 | |
| (g) | Per OC-12 (2 Fiber) | 275.00 | 715.00 | 570.00 | 525.00 | 480.00 | 1PQF8 | |
| (h) | Per OC-12 (4 Fiber) | 275.00 | 1,430.00 | 1,140.00 | 1,050.00 | 960.00 | 1PQF7 | |
| (i) | Per OC-48 (2 Fiber) | 300.00 | 1,600.00 | 1,325.00 | 1,215.00 | 1,050.00 | 1PQF2 | |
| (j) | Per OC-48 (4 Fiber) | 300.00 | 3,200.00 | 2,650.00 | 2,430.00 | 2,100.00 | 1PQFO | |
| (k) | Per 1000 Mbps 850 nm Multi-mode[1] | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQFK | |
| (l) | Per 1000 Mbps 1310 nm Single-mode[1] | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQ3K | |
| (m) | Per 10 Mbps (3 STS-1) - Electrical[2] | 450.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQFH | |
| (n) | Per 100 Mbps[2] | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQFJ | |
| (o) | Per 100 Mbps (3 STS-1) - 1310 nm Single-mode[2] | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQ3J | |
| (p) | Per Fractional 1000 Mbps[2] | | | | | | | |
| | - 50 Mbps 850 nm Multi-mode | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | 1PQFM | |
| | - 50 Mbps 1310 nm Single-mode | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | 1PQ3M | |
| | - 150 Mbps 850 nm Multi-mode | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | 1PQFN | |
| | - 150 Mbps 1310 nm Single-mode | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | 1PQ3N | |
| | - 300 Mbps 850 nm Multi-mode | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | 1PQFR | |
| | - 300 Mbps 1310 nm Single-mode | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | 1PQ3R | |
| | - 450 Mbps 850 nm Multi-mode | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | 1PQFS | |
| | - 450 Mbps 1310 nm Single-mode | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | 1PQ3S | |
| | - 600 Mbps 850 nm Multi-mode | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | 1PQFT | |
| | - 600 Mbps 1310 nm Single-mode | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | 1PQ3T | |
| ***(q)*** | Per Flex DS1 | 260.00 | 24.00 | 20.00 | 17.00 | 16.00 | 1PQFQ | (T) |
| (r) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | 800.00 | 500.00 | 175.00 | 155.00 | 140.00 | 1PQFU | (N) |
| (s) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | 800.00 | 540.00 | 210.00 | 190.00 | 170.00 | 1PQFY | (N) |
| (t) | Per 1000 Mbps Metro Ethernet Backbone | 850.00 | 740.00 | 520.00 | 475.00 | 425.00 | 1PQFZ | (N) |

(M)

**Note 1:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 2:** Available only for systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3:** Month to month rates are only available at the end of a contract rate period.

Material previously appearing on this page now appears on page(s) 52.2 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.4 LightGate Service (Cont'd)

### B7.4.5 Rates and Charges (Cont'd)

**B.** LightGate service Local Channel Mileage[1] (M)(T)

1. Mileage for all LightGate service Local Channel Systems (M)

| | Nonrecurring Charge | Month to Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|
| (a) First one-half mile (included in system charge) | | - | - | - | - | NA | (M) |
| (b) Each additional one-half mile | | NA | 225.00 | 190.00 | 170.00 | 150.00 | 1LPEA (M) |

**C.** Separate Alternate Facility Transport (SAFT) [1]

1. SAFT Level I

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Per System | $770.00 | | | | | 1L8EA |
| (b) Per one-half air mile | | $175.00 | $115.00 | $95.00 | $90.00 | 1L8SA |

2. SAFT Level II

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Per System | 770.00 | | | | | 1L8EP |
| (b) Per one-half air mile | | 2,000.00 | 800.00 | 640.00 | 520.00 | 1L8SP |

**D.** Interoffice Channels (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

1. LightGate 1 service[1]

a. Per DS3

(1) 0-8 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,430.00 | 975.00 | 775.00 | 625.00 | 1LPS8 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE8 |

(2) 9-25 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,600.00 | 1,125.00 | 925.00 | 775.00 | 1LPS9 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE9 |

(3) Over 25 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,870.00 | 1,325.00 | 1,125.00 | 925.00 | 1LPS6 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE6 |

2. LightGate STS-1 service[1]

a. Per STS-1

(1) 0-8 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,430.00 | 975.00 | 775.00 | 625.00 | 1LPS8 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE8 |

(2) 9-25 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,600.00 | 1,125.00 | 925.00 | 775.00 | 1LPS9 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE9 |

(3) Over 25 miles

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Fixed | 190.00 | 1,870.00 | 1,325.00 | 1,125.00 | 925.00 | 1LPS6 |
| (b) Per Mile | | 130.00 | 70.00 | 60.00 | 50.00 | 1LPE6 |

**Note 1:** Month to month rates are only available at the end of a contract rate period.

Material appearing on this page previously appeared on page(s) 52.1 of this section.

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.1 General (Cont'd)

**B.** (Cont'd)

SMARTRing service Channel Interfaces are available as follows:

| | NODES | | | | | | |
|---|---|---|---|---|---|---|---|
| **Channel Interfaces** | **OC-3** | **OC-3+** | **OC-12** | **OC-48** | **OC-48+** | **OC-192** | **OC-192+** |
| DS1 | Yes | Yes | No[1] | Yes[1] | No[1] | Yes[1] | No[1] |
| DS3 | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| STS-1 | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| OC-3 | No | No | Yes | Yes | Yes | Yes | Yes |
| OC-12 | No | No | No | Yes | Yes | Yes | Yes |
| OC-48 | No | No | No | No | No | Yes | Yes |
| 28 DS1 Channel System (DS3) | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| 28 DS1 Channel System (STS-1) | Yes | Yes | Yes | Yes | Yes | Yes | Yes[2] |
| DS3 (Asymmetrical with DS1) | Yes | Yes | No | No | No | No | No |
| DS3 (Asymmetrical with Flex DS1) | No | No | Yes | Yes | Yes | Yes | Yes |
| DS1 Within an STS-1 Asymmetrical Arrangement | Yes | Yes | No | No | No | No | No |
| 1000 Mbps | No | No | No | Yes[2] | Yes[2] | Yes | Yes[2] |
| 10 Mbps | Yes[3] | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] |
| 100 Mbps | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] |
| Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps | Yes[3] | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] | Yes[4] |
| Fractional 1000 Mbps at 600 Mbps | No | No | No | Yes[4] | Yes[4] | Yes[4] | Yes[4] |
| Flex DS1[5] | No | No | Yes | Yes | Yes[6] | Yes | Yes[6] |
| 100 Mbps BellSouth Metro Ethernet Backbone | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] | Yes[7] (N) |
| 1000 Mbps BellSouth Metro Ethernet Backbone | No | No | No | Yes[7] | Yes[7] | Yes[7] | Yes[7] (N) |

**Note 1**: DS1 interfaces are available via OC-3, OC-3+ or 28 DS1 Channel System arrangements only for OC-12, OC-48+ and OC-192+ nodes and for OC-48, OC-48+ and OC-192+ SMARTRing service Nodes installed prior to October 20, 2003. For OC-48 and OC-192 nodes, installed on or after that date to December 3, 2004, DS1 interfaces are available with a maximum quantity per node of 108.

**Note 2**: DS3, STS-1, channel systems and 1000 Mbps interfaces are only available for nodes installed after October 20, 2003. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 3**: 10 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces only are available on OC-3 rings installed on or after May 12, 2006.

**Note 4**: Available on rings installed on or after December 3, 2004. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

**Note 5**: Effective December 3, 2004, DS1 interfaces for OC-12, OC-48 or OC-192 rings install on or after this date will be installed as a Flex DS1 interface. The maximum number of DS1 circuits available in a system is 108.

**Note 6:** Flex DS1 capabilities are as described previously in this Section for OC-48+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) and OC-192+ SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring). The maximum number of DS1 circuits available in a system is 108.

**Note 7:** 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when SMARTRing service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. The 100 Mbps (3-STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. (N)

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.1 General (Cont'd)

**C.** SMARTRing service is connectible at Company central offices to any compatible high capacity service as provided in Section B7. of this Tariff and to Broadband Exchange Line Service at compatible data rates (e.g., 1.586 Mbps) as provided in Section A40.5 of the General Subscriber Service Tariff. Rates and charges for such other services are as set forth in the applicable sections of this Tariff for such other services.

**D.** The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.

**E.** Where the customer provides two separate entrance facility cable routes for SMARTRing service, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two Local Channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.

**F.** The compatibility requirements, technical specifications, and generic requirements for SMARTRing service terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1989, and ANSI T1.403-1989.

**G.** DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.

**H.** DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.

**I.** SMARTRing service DS3 high capacity service channels have a performance objective of 99.5 percent error-free seconds over a continuous twenty-four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent error-free seconds over a continuous twenty-four hour period.

**J.** SMARTRing service OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with FlexServ service Customer Network Management (CNM) under the rates and regulations set forth following. FlexServ service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service should advise the Telephone Company at the time the initial service is requested. When the customer requests to add either FlexServ service option subsequent to the initial service installation, a SMARTRing service Rearrangement charge applies as set forth in 7.5.14 following. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance.

Reconfiguration is provided on a per STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the FlexServ service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with FlexServ service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

Reconfiguration is not available with 100 Mbps and 1000 Mbps Metro Ethernet Backbone interfaces. (N)

**K.** SMARTRing service ordered and installed after May 4, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer’s traffic and network configuration.

SMARTRing service Basic Shared Ethernet LAN Access Links are available based on equipment capability and a customer’s requested service configuration. Upon a customer request for Basic Shared Ethernet LAN Access Links, equipment capability associated with the requested configuration shall be determined. Upon successful determination of the functionality of the customer’s requested arrangement, the requested service shall be made available.

Basic Shared Ethernet LAN Access Links are further defined per TR 73582. Basic Shared Ethernet LAN Access Links are available only at Customer Nodes.

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.4 Rates and Charges (Cont'd)

**A.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

6. Customer Channel Interface (per Node)

| | | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | **$165.00** | **$45.00** | **$30.00** | **$25.00** | **$20.00** | **SHNBB** | |
| (b) | Per DS3 | **130.00** | **170.00** | **135.00** | **130.00** | **125.00** | **SHNZT** | |
| (c) | Per STS-1 | **130.00** | **220.00** | **170.00** | **150.00** | **140.00** | **SHN13** | |
| (d) | Per OC-3, 2 fiber | **130.00** | **255.00** | **190.00** | **170.00** | **160.00** | **SHN1D** | |
| (e) | Per OC-3, 4 fiber | **130.00** | **515.00** | **380.00** | **340.00** | **320.00** | **SHN15** | |
| (f) | Per OC-12, 2 fiber | **345.00** | **745.00** | **515.00** | **475.00** | **440.00** | **SHN1F** | |
| (g) | Per OC-12, 4 fiber | **345.00** | **1,490.00** | **1,030.00** | **950.00** | **880.00** | **SHN19** | |
| (h) | Per OC-48, 2 fiber | **420.00** | **1,600.00** | **1,325.00** | **1,215.00** | **1,050.00** | **SHN1A** | |
| (i) | Per OC-48, 4 fiber | **420.00** | **3,200.00** | **2,650.00** | **2,430.00** | **2,100.00** | **SHN1B** | |
| (j) | Per DS1 within an STS-1 Asymmetrical Arrangement | **330.00** | **25.00** | **22.00** | **20.00** | **18.00** | **SHNBS** | |
| (k) | Per DS3 (Asymmetrical with DS1) | **360.00** | **550.00** | **450.00** | **400.00** | **350.00** | **SHN1T** | |
| (l) | Per 1000 Mbps 850 nm Multi-mode | **400.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN1K** | |
| (m) | Per 1000 Mbps 1310 nm Single-mode | **400.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN3K** | |
| (n) | Per 10 Mbps | **450.00** | **500.00** | **175.00** | **155.00** | **140.00** | **SHN1M** | |
| (o) | Per 100 Mbps | **450.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN1N** | |
| (p) | Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode | **450.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN3N** | |
| (q) | Per Fractional 1000 Mbps | | | | | | | |
| | - 50 Mbps 850 nm Multi-mode | **450.00** | **520.00** | **190.00** | **170.00** | **150.00** | **SHN1O** | |
| | - 50 Mbps 1310 NM Single-mode | **450.00** | **520.00** | **190.00** | **170.00** | **150.00** | **SHN3O** | |
| | - 150 Mbps 850 nm Multi-mode | **450.00** | **560.00** | **230.00** | **210.00** | **190.00** | **SHN1P** | |
| | - 150 Mbps 1310 NM Single-mode | **450.00** | **560.00** | **230.00** | **210.00** | **190.00** | **SHN3P** | |
| | - 300 Mbps 850 nm Multi-mode | **450.00** | **600.00** | **300.00** | **280.00** | **260.00** | **SHN1R** | |
| | - 300 Mbps 1310 NM Single-mode | **450.00** | **600.00** | **300.00** | **280.00** | **260.00** | **SHN3R** | |
| | - 450 Mbps 850 nm Multi-mode | **450.00** | **640.00** | **340.00** | **310.00** | **290.00** | **SHN1U** | |
| | - 450 Mbps 1310 NM Single-mode | **450.00** | **640.00** | **340.00** | **310.00** | **290.00** | **SHN3U** | |
| | - 600 Mbps 850 nm Multi-mode | **450.00** | **700.00** | **380.00** | **340.00** | **320.00** | **SHN1V** | |
| | - 600 Mbps 1310 NM Single-mode | **450.00** | **700.00** | **380.00** | **340.00** | **320.00** | **SHN3V** | |
| (r) | Per Flex DS1 | **360.00** | **45.00** | **34.00** | **27.00** | **25.00** | **SHN1Q** | |
| (s) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | **800.00** | **500.00** | **175.00** | **155.00** | **140.00** | **SHN1J** | (N) |
| (t) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | **800.00** | **540.00** | **210.00** | **190.00** | **170.00** | **SHN33** | (N) |
| (u) | Per 1000 Mbps Metro Ethernet Backbone | **850.00** | **740.00** | **520.00** | **475.00** | **425.00** | **SHN34** | (N) |

# B7. DIGITAL NETWORK SERVICE

## B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

### B7.7.4 Rates and Charges (Cont'd)

**A.** Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)

7. Central Office Node (per Node)

| | | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC | |
|---|---|---|---|---|---|---|---|---|
| (a) | OC-3 capacity | $370.00 | $1,400.00 | $990.00 | $900.00 | $810.00 | SHNH3 | |
| (b) | OC-3+ capacity | 370.00 | 2,250.00 | 1,845.00 | 1,575.00 | 1,350.00 | SHNH5 | |
| (c) | OC-12 capacity | 375.00 | 2,680.00 | 1,980.00 | 1,800.00 | 1,575.00 | SHNH1 | |
| (d) | OC-48 capacity | 375.00 | 4,860.00 | 4,110.00 | 4,050.00 | 3,510.00 | SHNH8 | |
| (e) | OC-48+ capacity | 375.00 | 5,490.00 | 4,110.00 | 4,050.00 | 3,510.00 | SHNH9 | |
| (f) | OC-192 capacity | 540.00 | 25,000.00 | 9,375.00 | 8,250.00 | 7,300.00 | SHNH7 | |
| (g) | OC-192+ capacity | 540.00 | 25,000.00 | 9,375.00 | 8,250.00 | 7,300.00 | SHNH6 | |

8. Central Office Channel Interface (per Central Office Node)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| (a) | Per DS1 | 125.00 | 40.00 | 35.00 | 30.00 | 25.00 | SHNCB | |
| (b) | Per DS3 | 185.00 | 115.00 | 85.00 | 80.00 | 75.00 | SHNYT | |
| (c) | Per STS-1 | 215.00 | 150.00 | 105.00 | 100.00 | 90.00 | SHNO2 | |
| (d) | Per OC-3, 2 fiber | 340.00 | 255.00 | 190.00 | 170.00 | 160.00 | SHNCD | |
| (e) | Per OC-3, 4 fiber | 340.00 | 515.00 | 380.00 | 340.00 | 320.00 | SHNO4 | |
| (f) | Per OC-12, 2 fiber | 540.00 | 745.00 | 515.00 | 475.00 | 440.00 | SHNCF | |
| (g) | Per OC-12, 4 fiber | 540.00 | 1,490.00 | 1,030.00 | 950.00 | 880.00 | SHNC9 | |
| (h) | Per OC-48, 2 fiber | 650.00 | 1,600.00 | 1,325.00 | 1,215.00 | 1,050.00 | SHNCJ | |
| (i) | Per OC-48, 4 fiber | 650.00 | 3,200.00 | 2,650.00 | 2,430.00 | 2,100.00 | SHNCK | |
| (j) | Per 28 DS1 Channel System (DS3) | 140.00 | 700.00 | 600.00 | 550.00 | 525.00 | SHNW8 | |
| (k) | Per 28 DS1 Channel System (STS-1) | 140.00 | 750.00 | 550.00 | 500.00 | 450.00 | SHNCS | |
| (l) | Per DS1 on 28 DS1 Channel System (DS3) | 140.00 | 18.00 | 12.00 | 9.00 | 8.00 | SHNCA | |
| (m) | Per DS1 on 28 DS1 Channel System (STS-1) | 155.00 | 40.00 | 35.00 | 30.00 | 25.00 | SHNCG | |
| (n) | Per DS1 within an STS-1 Asymmetrical Arrangement | 360.00 | 25.00 | 22.00 | 20.00 | 18.00 | SHNCH | |
| (o) | Per DS3 (Asymmetrical with DS1) | 400.00 | 550.00 | 450.00 | 400.00 | 350.00 | SHNCT | |
| (p) | Per 1000 Mbps | 400.00 | 740.00 | 520.00 | 475.00 | 425.00 | SHNCW | |
| (q) | Per 10 Mbps | 450.00 | 500.00 | 175.00 | 155.00 | 140.00 | SHNCM | |
| (r) | Per 100 Mbps (3 STS-1) | 450.00 | 540.00 | 210.00 | 190.00 | 170.00 | SHNCN | |
| (s) | Per Fractional 1000 Mbps | | | | | | | |
| | - 50 Mbps | 450.00 | 520.00 | 190.00 | 170.00 | 150.00 | SHNCO | |
| | - 150 Mbps | 450.00 | 560.00 | 230.00 | 210.00 | 190.00 | SHNCP | |
| | - 300 Mbps | 450.00 | 600.00 | 300.00 | 280.00 | 260.00 | SHNCR | |
| | - 450 Mbps | 450.00 | 640.00 | 340.00 | 310.00 | 290.00 | SHNCU | |
| | - 600 Mbps | 450.00 | 700.00 | 380.00 | 340.00 | 320.00 | SHNCV | |
| (t) | Per Flex DS1 | 250.00 | 40.00 | 30.00 | 25.00 | 20.00 | SHNCQ | |
| (u) | Per 100 Mbps (1 STS-1) Metro Ethernet Backbone | 800.00 | 500.00 | 175.00 | 155.00 | 140.00 | SHNOJ | (N) |
| (v) | Per 100 Mbps (3 STS-1) Metro Ethernet Backbone | 800.00 | 540.00 | 210.00 | 190.00 | 170.00 | SHNCX | (N) |
| (w) | Per 1000 Mbps Metro Ethernet Backbone | 850.00 | 740.00 | 520.00 | 475.00 | 425.00 | SHNC5 | (N) |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service

**A.** BellSouth Metro Ethernet service is a high-speed packet transport that is based on Ethernet transmission parameters. BellSouth Metro Ethernet service provides various transport capabilities that range from 10 Mbps through 1 Gbps with capabilities for basic, premium***, and virtual*** arrangements that may be used to meet individual customer needs. (C)

**B.** BellSouth Metro Ethernet service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3-2002 Specifications.

**C.** BellSouth Metro Ethernet service interface specifications are set forth in BellSouth Technical Reference TR-73632.

**D.** The rates and charges set forth in E7.5.22 following for BellSouth Metro Ethernet service provide for the furnishing of service in certain metropolitan areas where suitable Company facilities are available. In locations where BellSouth Metro Ethernet service is not available, special construction charges may apply.

**E.** A LAN (local area network) is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment.

**F.** A VLAN (virtual local area network) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN.

**G.** Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards.

**H.** A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the BellSouth core network. ***Premium*** Connections that include the Q-Forwarding optional feature described in ***O***. following ***and Virtual Connections that include the VLAN Aggregation optional feature described in P. following*** may be part of more than one Metro Ethernet Customer Network. (C)

**I.** A Basic BellSouth Metro Ethernet service Connection provides 10 Mbps, 100 Mbps and 1 Gbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet service network within a metropolitan area. Basic BellSouth Metro Ethernet service is a best effort service with service capabilities that are affected by overall traffic on the Basic BellSouth Metro Ethernet service network and is suitable for data transmission only.

A Basic BellSouth Metro Ethernet service connection operating at any of these speeds is capable of interconnecting with other Basic BellSouth Metro Ethernet service Connections that are operating at any of these speeds in the same metropolitan area.

A Basic BellSouth Metro Ethernet service connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Basic BellSouth Metro Ethernet service Connection. Customer locations[1] greater than 10 miles from the Basic BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges. (M)

**Note 1**: And as alternatively set forth in E7.4.32.A.5. following.

Material previously appearing on this page now appears on page(s) 27.3.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

J. A Premium BellSouth Metro Ethernet service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 250 Mbps**,** 500 Mbps ***and 900 Mbps*** Ethernet capabilities that are a part of a BellSouth Metro Ethernet service network within a metropolitan area. Premium BellSouth Metro Ethernet service provides the ability to order Ethernet Service with improved service characteristics to meet customer needs regarding the assurance of bandwidth availability. (C)(M)

Premium BellSouth Metro Ethernet service provides customer capabilities to assure service characteristics via ordering a Committed Bandwidth (CBW). A CBW is the minimum bandwidth across the BellSouth Metro Ethernet service network within a metropolitan area between a customer's Premium BellSouth Metro Ethernet service locations. (M)

Premium BellSouth Metro Ethernet service Connections are available with "Fixed" and "Burst" capabilities ***unless specified otherwise***[1]. With the Fixed arrangement, Premium BellSouth Metro Ethernet service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the BellSouth Metro Ethernet service network. With the Burst arrangement, Premium BellSouth Metro Ethernet service Connections will have the ability to send burst of data above their CBW rate, if network capacity is available. For example, a 10 Mbps, a 20 Mbps and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, a 250 Mbps and a 500 Mbps Connection may Burst up to 1 Gbps. (C)(M)

A Premium BellSouth Metro Ethernet service Connection operating at any of these speeds is capable of interconnecting with other Premium BellSouth Metro Ethernet service Connections that are operating at any of these speeds in the same metropolitan area. (M)

A Premium BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises[2] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Premium BellSouth Metro Ethernet service Connection. Customer locations[2] greater than 10 miles from the Premium BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges. (T)(M)

**Note 1**: Premium Connections at 900 Mbps are available only as Fixed arrangements (i.e., "Burst" capability is not available). (N)

**Note *2***: And is alternatively set forth in E7.4.32.A.5. following. (T)(M)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

**K.** A Dedicated BellSouth Metro Ethernet service Connection provides 100 Mbps and 1 Gbps point-to-point Ethernet capabilities that are part of a BellSouth Metro Ethernet service network within a metropolitan area. A Dedicated BellSouth Metro Ethernet service Connection operating at either of these speeds is only capable of interconnecting with one other Dedicated BellSouth Metro Ethernet service Connection in the same metropolitan area.

A Dedicated BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet service wire center associated with the Dedicated BellSouth Metro Ethernet service Connection. Customer locations[1] greater than 10 miles from the Dedicated BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges.

**L.** A Virtual BellSouth Metro Ethernet Service Connection provides 10 Mbps, 20 Mbps, 50 Mbps, 80 Mbps, 100 Mbps, 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps, 750 Mbps and 900 Mbps Ethernet capabilities that are a part of a BellSouth Metro Ethernet Service network within a metropolitan area. Virtual BellSouth Metro Ethernet Service provides the ability to order Ethernet Service where a single customer connection can support multiple applications with varying Quality of Service (QoS) features and Classes of Service. (N)

Virtual BellSouth Metro Ethernet Service provides customer capabilities to support different Classes of Service (CoS) (i.e., Real-Time, Interactive, Business Critical and Best Effort as described in E7.2.18.T) over the same Connection and offers customers increased flexibility to match bandwidth to their real needs for voice/data/video applications on each Connection. The customer orders the percentage of their Virtual BellSouth Metro Ethernet Service Connection bandwidth that will be allocated for each class of service. (N)

For each Virtual Connection, the customer's bandwidth will be limited to the fixed speed associated with each CoS level specified in the CoS profile selected for the Virtual Connection. (N)

A Virtual BellSouth Metro Ethernet Service Connection operating at any of these speeds is capable of interconnecting with other Virtual BellSouth Metro Ethernet Service Connections that are operating at any of these speeds in the same metropolitan area. (N)

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises[1] that are 10 miles or less in distance from the BellSouth Metro Ethernet Service wire center associated with the Virtual BellSouth Metro Ethernet Service Connection. Customer locations[1] greater than 10 miles from the Virtual BellSouth Metro Ethernet Service wire center also require BellSouth Metro Ethernet Service Additional Mileage charges. (N)

(M)

**Note 1:** And as alternatively set forth in E7.4.32.A.5. following.

Material previously appearing on this page now appears on page(s) 27.4.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

***M.*** BellSouth Metro Ethernet service Additional Mileage charges associated with a BellSouth Metro Ethernet service Connection apply when the total distance from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the service serving the customer premises[1] is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises[1] to the BellSouth Metro Ethernet service wire center associated with the BellSouth Metro Ethernet service. Fractions of miles will be considered as a whole mile. (T)(M)

BellSouth Metro Ethernet service Additional Mileage charges apply to Basic, Premium**,** Dedicated ***and Virtual*** BellSouth Metro Ethernet service based on the service's speed and the total distance associated with the data channel. The BellSouth Metro Ethernet service Additional Mileage Charge is based on the mileage band the total data channel mileage falls into. For example, a data channel that is 30 miles in length would be charged the additional mileage rate for the greater than 25 mile through 35 mile band. (C)(M)

***N.*** Priority Plus is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Priority Plus provides the customer with the ability to prioritize their traffic in accordance with a predefined hardware queue model approach. With this option, customers will assign priority values to their data and higher-priority data will be transmitted first. Priority Plus service traffic is limited to a small subset of the total Committed Bandwidth (CBW) traffic and is marked for expedited handling within the Metro Ethernet Service. Customers that desire Priority Plus must establish it for all of their Premium BellSouth Metro Ethernet service Connections within that Metro Ethernet Customer Network. (T)(M)

***O.*** Q-Forwarding is an optional feature available to customers with Premium BellSouth Metro Ethernet service. Q-Forwarding provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS). This aggregated traffic can be transported back to a central location and across a common Metro Ethernet Service Connection (referred to as the "aggregation" connection). Q-Forwarding utilizes IEEE 802.1Q VLAN Tagging procedures. (T)(M)

With Q-Forwarding, special technical considerations set forth in Technical Reference 73632 must be taken into account to determine the customer's CBW across their BellSouth Metro Ethernet Network. (M)

The Q-Forwarding Service Establishment Charge is a charge to provision a Premium Metro Ethernet Connection with the Q-Forwarding feature and identify it as an "aggregation" connection. (M)

The Q-Forwarding Network Assignment Charge is a charge to provision each Metro Ethernet Customer Network to the Q-Forwarding "aggregation" connection. The Q-Forwarding Network Assignment Charge applies for each VLAN connected to the Q-Forwarding "aggregation" connection. (M)

***P.*** VLAN Aggregation is an optional feature available to customers with Virtual BellSouth Metro Ethernet Service. VLAN Aggregation provides VLAN aggregation across a common physical connection. This feature supports customer aggregation of traffic from multiple Metro Ethernet Customer Networks (referred to as VLANS) comprised of Virtual Connections. This aggregated traffic can be transported back to a central location and across a common Virtual Metro Ethernet Service Connection (referred to as the "aggregation" connection). VLAN Aggregation utilizes IEEE 802.1Q VLAN Tagging procedures. (N)

The VLAN Aggregation Service Establishment Charge is a charge to provision a Virtual Metro Ethernet Connection with this feature and identify it as an "aggregation" connection. (N)

The VLAN Aggregation Network Assignment Charge is a charge to provision each Virtual Ethernet Customer Network to the "aggregation" connection. The VLAN Aggregation Network Assignment Charge applies for each VLAN connected to the "aggregation" connection. (N)

***Q.*** Metro Ethernet Reporting is an optional feature available to customers with Premium ***or Virtual*** BellSouth Metro Ethernet service. Metro Ethernet Reporting provides customers a view into their BellSouth Metro Ethernet service network via the use of a web interface and security card. Metro Ethernet Reporting provides alarm surveillance, service level agreement reporting and performance reporting for the various network components that comprise the customer's BellSouth Metro Ethernet service network. This feature is only available to customers purchasing Premium ***or Virtual*** BellSouth Metro Ethernet service. (C)(M)

Customers who subscribe to Metro Ethernet Reporting must monitor their entire BellSouth Metro Ethernet Network. The Metro Ethernet Reporting Charge is applicable for each Premium ***or Virtual*** Metro Ethernet Service Connection. (C)(M)

The Metro Ethernet Reporting Service Establishment Charge is a nonrecurring charge that applies to initially establish a new Metro Ethernet Service customer account. A customer with an existing Metro Ethernet Reporting customer account from another BellSouth jurisdiction may re-use that customer account. (M)

**Note 1:** And as alternatively set forth in E7.4.32.A.5. following. (M)

Material appearing on this page previously appeared on page(s) 27.4 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

***Q***. (Cont'd) (T)

All customers purchasing Metro Ethernet Reporting must have a web interface that will allow the customer to access and monitor their network via the web. Each web interface provides for one concurrent access. Additional concurrent accesses will require additional web interfaces. An initial web interface (Web Interface Charge - First) is provided with the initial establishment of a customer account. A monthly charge and a nonrecurring charge are applicable for each additional web interface requested for a customer account (Web Interface Charge – Each Additional).

A security card is required to access a web interface. Each security card can only be used for a single concurrent access and can be associated with only one web interface. A Security Card Charge will apply for the initial and additional cards requested and for the issuance of additional cards to replace lost, damaged or expired cards. A nonrecurring charge is applicable per security card requested.

***R***. BellSouth Metro Ethernet service Customer networks comprised of Premium Connections ***or Virtual Connections*** with Metro Ethernet Reporting are provided Service Level Agreements (SLAs) for the Company's repair and performance commitments for this service. Credits are provided for missed commitments on such service. The specific SLA commitments and credits applicable are set forth in E7.4.32.C. following ***for Premium Connections and in Section E7.4.32.D. for Virtual Connections.***. (C)

***S***. Subsequent to its initial installation, a customer may request to reconfigure or change a BellSouth Metro Ethernet service Connection. The Service Reconfiguration Charge or System Reconfiguration Charge will be the nonrecurring charge applicable for such a request; the appropriate nonrecurring charge will be based upon the reconfiguration or change requested, as specifically described and set forth in E7.4.32 following.

(M)

T. For each Virtual BellSouth Metro Ethernet Connection the customer must decide the mix of applications that will be supported on that Connection, the CoS mix that Virtual Connection must support, and the percentage of bandwidth to be assigned for each CoS (i.e., build a CoS profile for each Virtual Connection). The customer's bandwidth will be limited to the fixed speed associated with each CoS level. Therefore, total bandwidth available to support transmission of a specific CoS will depend upon the size of the customer's Connection and the specific CoS percentage the customer selected for that Connection. (N)

A customer may request a single CoS or up to four CoS to build the CoS Profile for a Virtual Connection. The customer determines the percentage bandwidth each CoS selected should be of the total Virtual Connection's bandwidth. The sum of the percentages for each CoS selected for a Virtual Connection must equal 100%. Additionally, the combined CoS bandwidth percentages selected in a customer's CoS Profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

A customer may select different CoS profiles for different Virtual Connections that share the same network VLAN, or Virtual Connection network arrangement. However, technical limitations exist as discussed in TR-73632 that limit the total number of different CoS profiles that can be utilized in a single Virtual Connection network arrangement. (N)

Material previously appearing on this page now appears on page(s) 27.5.2 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

T. (Cont'd) (N)

The CoS and percentage bandwidth selected for a Virtual Connection will define the applications that can be supported and its Quality of Service (QoS) attributes such as traffic priority, latency, packet loss rate, etc. QoS attributes are defined for each CoS. Each Virtual Connection will support Ethernet traffic representing one or more applications and CoS. Virtual Connections support the four following CoS: (N)

- Real-Time[1]: This CoS supports VoIP applications. The Real-Time CoS is supported by a low latency queue. The Low Latency Queuing (LLQ) feature in the Ethernet network is used for support of the Real-Time CoS. (N)
- Interactive[1]: This CoS supports interactive Video applications. The Interactive CoS is policed to a maximum bandwidth. (N)
- Business Critical: This CoS supports mission-critical business data applications. These applications tend to be data specific and may include medical imaging, electronic funds transfer, medical records transfer, etc.
- Best Effort: This CoS is the default CoS for all other traffic that is not defined as Business Critical, Real-Time or Interactive. Traffic that does not match the other CoS will be mapped as Best Effort. Traffic with the Best Effort CoS will have the lowest priority on the network and will support lower priority data applications, such as email and file transfer protocol (FTP). (N)

Each customer packet from a Virtual Connection will be classified and assigned to a specific CoS by methods identified in TR-73632. (N)

**Note 1:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.2 Service Descriptions (Cont'd)

### E7.2.18 BellSouth Metro Ethernet Service (Cont'd)

***U.*** Automatic Protection Switching (APS) is an optional feature available, except as specified otherwise herein, to customers with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Service Connection. The APS feature provides customers with the option of having data channel (i.e., facilities from the customer premises to the BellSouth Metro Ethernet Service wire center) survivability through the use of a secondary transport path that is diverse from the path provided with their primary Metro Ethernet Connection. This secondary transport path (i.e., data channel) is provided for a specific Metro Ethernet Connection (i.e., the primary) with the selection of the APS feature which then provides the customer with complete path protection. (C)(M)

With APS, the primary Metro Ethernet Connection's data channel is monitored for threshold violations or path failures with a fail-over to the secondary data channel path provided via the APS feature. The APS data channel is checked periodically to ensure its availability if a failure of the primary Metro Ethernet Connection's data channel occurs. (M)

APS may be ordered as a structurally diverse transport path (Structural Protection) or a route diverse transport path (Route Protection). (M)

Structural Protection APS is defined as the APS facility and the primary Metro Ethernet Connection facility being in separate sheaths in separate structures located along the same route (e.g., underground/underground, buried/underground, aerial/underground, aerial/buried, buried/buried, and aerial/aerial), or along different routes at the Telephone Company's discretion (M)

Route Protection APS is defined as the APS facility being in a separate sheath within alternate underground, aerial or direct buried structures that are run along separate physical paths from the facilities associated with the primary Metro Ethernet Connection. No precise distance separation is specified between the paths; although the separation is sufficient to preclude one disruptive event from affecting both routes. (M)

The APS feature is billed based upon the actual total route miles in a customer's specific Structural Protection APS or Route Protection APS design as determined by the Telephone Company. The term "route miles" is defined for this application to be the actual physical distance or length (not airline mileage), rounded up to the next whole mile, of the unique APS facility designed for each individual customer premises. Total route miles are measured between the customer premises and its serving wire center, plus route miles between the serving wire center and any intermittent wire centers in the path designed to reach the BellSouth Metro Ethernet wire center associated with the primary Metro Ethernet Connection (i.e., the wire center where the BellSouth Metro Ethernet switching equipment is located). (M)

The APS rate element provides the alternate data channel transport and APS equipment in the BellSouth Metro Ethernet Service wire center associated with the primary Metro Ethernet Connection. Actual total route mileage for the customer's APS design is determined from a Service Inquiry. The route mileage determined from this Telephone Company Service Inquiry is used for billing purposes and is the sole determinant of such mileage (i.e., not subject to dispute). (M)

Material appearing on this page previously appeared on page(s) 27.5 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service

**A.** General

1. The minimum service period for BellSouth Metro Ethernet service is four (4) months.
2. Suspension of BellSouth Metro Ethernet service is not allowed.
3. BellSouth Metro Ethernet service is available 24 hours per day, 7 days per week, except for preventive maintenance.

   Due to the nature of BellSouth Metro Ethernet service it will be necessary to perform preventive maintenance and software updates. This will mean that BellSouth Metro Ethernet service will be unavailable during the period of time when preventive maintenance is being performed. This could result in the service being unavailable during the period between 1:00 AM and 5:00 AM Eastern Time on Sundays and Wednesdays. However, the Company reserves the right to perform maintenance at any time at its discretion that it believes such maintenance is necessary. The Company will make a reasonable effort to provide notice to those customers likely to be affected by such maintenance work.
4. Obligations of customer and Company:
   (a) The Company is not responsible for the installation, operation or maintenance of any equipment provided by the customer.
   (b) The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Company.
   (c) At the BellSouth Metro Ethernet service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.
5. In some cases, the Company and another Incumbent Local Exchange Company (ILEC) may agree to jointly provide a customer Metro Ethernet Service. The rates and charges for the BellSouth Metro Ethernet service Connection are applicable for such connectivity; charges for BellSouth Metro Ethernet Additional Mileage are also applicable when the mileage from the BellSouth/ILEC meet-point to the BellSouth Metro Ethernet wire center associated with the service is over ten (10) miles. The Company is only responsible for the ordering, provisioning, maintaining and billing of such service up to the meet-point (i.e., demarcation point with the ILEC). BellSouth Metro Ethernet service SLA credits shall only be applicable for the portion of the service provided within the territory of the Company; such credits are appropriate only for missed commitments determined to be the fault of the Company.

**B.** Rate Categories and Regulations

1. The following rate categories apply for BellSouth Metro Ethernet service. Applicable rates and charges are provided in E7.5.22 following.
   (a) Basic BellSouth Metro Ethernet service Connection
   (b) Premium BellSouth Metro Ethernet service Connection
   (c) Dedicated BellSouth Metro Ethernet service Connection
   (d) Virtual BellSouth Metro Ethernet service Connection (N)
   (***e***) BellSouth Metro Ethernet service Additional Mileage Charges (T)
   (***f***) Priority Plus Feature (T)
   (***g***) Q-Forwarding Feature (T)
   (h) VLAN Aggregation Feature (N)
   (***i***) Metro Ethernet Reporting Feature (T)
   (j) Class of Service (CoS) Profile (N)
   (***k***) Automatic Protection Switching Feature (T)
   (***l***) Service Reconfiguration Charge (T)
   (***m***) System Reconfiguration Charge (T)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

2. BellSouth Metro Ethernet service is available under month-to-month rates as provided in E7.5.22.A. following or under the optional Transport Payment Plan (TPP) (as described in E2.4.9.C. of this Tariff) to receive the TPP rates provided in E7.5.22.B. following.

3. BellSouth Metro Ethernet service Connections are provided utilizing various Ethernet equipment configurations referred to herein as "physical service types". The physical service type of each BellSouth Metro Ethernet Connection is provided in the chart in 5. following.

4. A hierarchy of the various BellSouth Metro Ethernet service Connections by capability (i.e., dedicated, basic**,** premium ***and virtual***) and speed is provided in the chart in 5. following. This chart provides a higher order of service ranking that is utilized to determine the appropriate nonrecurring charges for service reconfiguration requests. This ranking is also utilized to determine if termination liability is applicable for specific reconfiguration requests if the service is under a TPP term commitment. (C)

(M)

Material previously appearing on this page now appears on page(s) 48.4.1 and 48.4.2 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

5. The following informational chart provides the physical service type of each BellSouth Metro Ethernet Connection and provides the other BellSouth Metro Ethernet Connections which are considered to be a higher order of service (BellSouth Metro Ethernet service hierarchy). (M)

| **Metro Ethernet Connection (Mbps):** | **Physical Service Type:** | **Higher Order of Service (Mbps):** | |
|---|---|---|---|
| - Dedicated 100 | Dedicated I | Basic 1000; Dedicated 1000; Premium[1] 100,250,500,***900[2]; Virtual 50,80,100,200,300,450, 600,900*** | (C)(M) |
| - Dedicated 1000 | Dedicated II | Premium[1] 500,***900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Basic 10 | Basic I | Basic 100,1000; Premium[1] 10,20,50,100,250,500,***900[2]; Virtual 10,20,50,80,100, 200,300, 450,600,750,900*** | (C)(M) |
| - Basic 100 | Basic II | Basic 1000; Premium[1] 100,250,500,***900[2]; Virtual 80, 100,200,300,450,600,750,900*** | (C)(M) |
| - Basic 1000 | Basic III | Premium[1] 500,***900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Premium[1] 10 | Premium I | Basic 1000; Premium[1] 20,50,100,250,500,***900[2]; Virtual 10,20,50,80,100,200,300, 450,600,750,900*** | (C)(M) |
| - Premium[1] 20 | Premium I | Basic1000;Premium[1]50,100,250,500,***900[2];Virtual 20,50,80,100,200,300,450, 600,750,900*** | (C)(M) |
| - Premium[1] 50 | Premium I | Premium[1] 100,250,500,***900[2]; Virtual 50,80,100,200, 300,450,600,750,900*** | (C)(M) |
| - Premium[1] 100 | Premium II | Premium[1] 250,500,***900[2]; Virtual 100,200,300,450,600,750,900*** | (C)(M) |
| - Premium[1] 250 | Premium II | Premium[1] 500,***900[2]; Virtual 300,450,600,750,900*** | (C)(M) |
| - Premium[1] 500 | Premium II | ***Premium 900[2]; Virtual 450,600,750,900*** | (C)(M) |
| - Premium 900[2] | Premium II | Virtual 900 | (N) |
| - Virtual 10 | Virtual I | Basic 1000; Premium[1] 20,50,100,250,500,900[2]; Virtual 20,50,80,100,200,300,450, 600, 750,900 | (N) |
| - Virtual 20 | Virtual I | Basic 1000; Premium[1] 50,100,250,500,900[2]; Virtual 50,80,100,200,300,450,600,750,900 | (N) |
| - Virtual 50 | Virtual II | Basic 1000; Premium[1] 100,250,500,900[2]; Virtual 80, 100,200,300,450,600,750,900 | (N) |
| - Virtual 80 | Virtual II | Basic 1000; Premium[1] 100,250,500,900[2]; Virtual 100, 200,300,450,600,750,900 | (N) |
| - Virtual 100 | Virtual II | Premium[1] 250,500,900[2]; Virtual 200,300,450,600,750,900 | (N) |
| - Virtual 200 | Virtual II | Premium[1] 500,900[2]; Virtual 300,450,600,750,900 | (N) |
| - Virtual 300 | Virtual II | Premium[1] 500,900[2]; Virtual 450,600,750,900 | (N) |
| - Virtual 450 | Virtual II | Premium 900[2]; Virtual 600,750,900 | (N) |
| - Virtual 600 | Virtual II | Premium 900[2]; Virtual 750,900 | (N) |
| - Virtual 750 | Virtual II | Premium 900[2]; Virtual 900 | (N) |
| - Virtual 900 | Virtual II | None offered at this time | (N) |

Note in the above chart that the reference to Dedicated/Basic 1000 Mbps refers to Dedicated/Basic 1 Gbps. (M)

**Note 1:** Fixed Mode or Burst Mode. (M)

**Note 2:** Premium 900 Mbps only available as Fixed Mode. (N)

Material appearing on this page previously appeared on page(s) 48.4 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

6. A BellSouth Metro Ethernet reconfiguration nonrecurring charge is applicable for a customer request to reconfigure (rearrange) an existing BellSouth Metro Ethernet Connection. The appropriate reconfiguration charge is dependent upon the physical work required to fulfill the request and applies in lieu of other nonrecurring charges. (M)

   A Service Reconfiguration Charge is applicable for requests where the work required is a minor change that does not involve changing the physical service type. The Service Reconfiguration Charge is applicable for a request to change an existing connection to a different connection that is the same physical service type, is applicable for a request to change a Premium connection from fixed mode to burst mode (and vice versa) and is applicable for a request to change a Premium connection to add or delete the Priority Plus feature. ***The Service Reconfiguration Charge is also applicable for changing an existing Virtual connection CoS Profile.*** (C)(M)

   A System Reconfiguration Charge is applicable for requests where the work required involves changing to a different physical service type or involves major support system changes. The System Reconfiguration Charge is applicable for requests to change an existing connection to a different connection that is a different physical service type, to change the network channel terminating equipment (NCTE) interface option from optical to electrical (or vice-versa), and to change the premises powering options from AC power to DC power (or vice-versa). (M)

7. A reconfiguration charge is applicable for a customer request to reconfigure an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a higher order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the higher order of service connection. A Service Reconfiguration Charge is applicable when the higher order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the higher order of service connection is a different physical service type. New minimum period requirements are established for the higher order of service connection. (M)

Material appearing on this page previously appeared on page(s) 48.4 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rate Categories and Regulations (Cont'd)

8. A Premium BellSouth Metro Ethernet Connection-Fixed Mode and Premium BellSouth Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same order of service and same physical service type. A Service Reconfiguration Charge is applicable for a customer request to reconfigure a Premium BellSouth Metro Ethernet Connection from Fixed Mode to Burst Mode (at the same speed), or vice versa; this nonrecurring charge is in lieu of the nonrecurring charge for the new connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.

   A Virtual BellSouth Metro Ethernet Connection request to modify its CoS Profile is not considered as a request to change the order of service or physical service type. A Service Reconfiguration Charge is applicable for such requests. (N)

9. Except as specified in 8. preceding, a BellSouth Metro Ethernet Connection not shown as a higher order of service in the hierarchy chart in 5. preceding for a given BellSouth Metro Ethernet Connection is considered to be a lower order of service. A reconfiguration charge is applicable for a customer request to change an existing BellSouth Metro Ethernet Connection to a different BellSouth Metro Ethernet Connection that is a lower order of service; the appropriate reconfiguration charge is applicable in lieu of the standard nonrecurring charge for the lower order of service connection. A Service Reconfiguration Charge is applicable when the lower order of service connection is the same physical service type; a System Reconfiguration Charge is applicable when the lower order of service is a different physical service type. New minimum period requirements are established for the lower order of service connection.

10. A System Reconfiguration Charge is applicable for a customer request to change the premises powering option (AC power to DC power) or NCTE signaling interface option (optical to electrical, or vice-versa) on an existing BellSouth Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.

11. A move of a BellSouth Metro Ethernet service will be as follows (in accordance with E7.4.5 preceding and, if applicable, E2.4.9.C.5. of this Tariff).

    When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the Connection nonrecurring charge. There will be no change in the minimum period requirements.

    When the move is to a new location in a different building that is within the same serving wire center, the charge for the move will be the nonrecurring charge for the BellSouth Metro Ethernet service Connection. New minimum period requirements will be established.[1]

    When the move is to a new location in a different building that is not in the same serving wire center, the request is treated as a discontinuance and start of service and all associated BellSouth Metro Ethernet service nonrecurring charges will apply. New minimum period requirements will be established.[1]

**Note 1:** Such moves of Metro Ethernet Service with Automatic Protection Switching (APS) shall additionally incur the full nonrecurring charge for establishing the APS feature at the new premises (as a new APS design will be required). The APS monthly recurring charge may change as appropriate based upon the actual route mileage associated with the new premises' APS design.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service (T)

Customer networks with Premium BellSouth Metro Ethernet service and Metro Ethernet Reporting are provided Service Level Agreements (SLAs) as summarized herein E7.4.32.C. BellSouth Metro Ethernet Service SLAs outlined herein specify the Company's repair and performance commitments for Metro Ethernet Reporting customers ***with Premium Metro Ethernet Connections.***. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (T)

In accordance with E7.4.32.C.3.(c) following, credits are available for missed commitments to customers purchasing Premium BellSouth Metro Ethernet service with the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company.

The following service measurements will outline the service levels the Telephone Company will deliver to Metro Ethernet Reporting customers ***with Premium Metro Ethernet Connections***: (T)

Repair Commitment:

- BellSouth Metro Ethernet service Time-to-Repair

Network Service Level Commitments:

- BellSouth Metro Ethernet service Core Network Availability
- BellSouth Metro Ethernet service Core Network Latency

The Repair Commitment is measured on a per occurrence basis for each BellSouth Metro Ethernet Connection. A Fault Report is produced thru the Metro Ethernet Reporting system that aids identification of potential outage durations upon which credits may be requested.

The Network Service Level Commitments are measured on the monthly performance of the Metro Ethernet core network during a specific calendar month. An SLA Report is produced thru the Metro Ethernet Reporting system that provides details of missed Network Service Level Commitments upon which credits may be requested based upon a specific calendar month's performance results.

The Company's performance measurement data for the Repair Commitment and Network Service Level Commitments will be collected and calculated utilizing the Company's internal processes as set forth in BellSouth Technical Reference TR-73632. The Company's calculation of its performance shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment.

1. SLA Definitions

BellSouth Metro Ethernet service Time to Repair

- BellSouth Metro Ethernet service Time-To-Repair measures the outage duration on a customer's BellSouth Metro Ethernet Connection. This measure will require the customer to report the problem to the BellSouth repair center.
- The repair interval will start with the time the trouble ticket is created and end when the fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Time for scheduled maintenance windows (as set forth in E7.4.32.A.3. preceding) does not count towards SLA threshold.

BellSouth Metro Ethernet service Network Availability

- BellSouth Metro Ethernet service Network Availability measures the percentage of time during a calendar month that the customer's service is unavailable on the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Availability SLA, and one will not be provided.
- This Service Level Commitment will be calculated by measuring and summing the outage for each core network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows (as set forth in E7.4.32.A.3. preceding) and time the network was unavailable due to circumstances outside the Company's control (as set forth in E7.4.32.C.3.(b) following).

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service[1] (Cont'd) (T)

1. SLA Definitions (Cont'd)

   BellSouth Metro Ethernet service Network Latency

   - BellSouth Metro Ethernet service Network Latency measures average one-way delay in milliseconds within the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA, and one will not be provided.
   - This Service Level Commitment will be calculated by averaging the measured latency of simulated traffic within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month.

2. The Company's Service Level Commitments for ***Premium*** BellSouth Metro Ethernet service are as follows: (T)
   - BellSouth Metro Ethernet service Time-To-Repair – 4 hours or less
   - BellSouth Metro Ethernet service Network Availability – 99.9% or higher
   - BellSouth Metro Ethernet service Network Latency – 55 milliseconds or less

3. SLA Restrictions

   (a) The Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet service. The customer network design requirements are as follows:

   - A customer must subscribe to the Metro Ethernet Premium Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments.
   - Credits are not provided for partial month service.
   - A customer's account must be current to receive a credit.

   (b) SLA Credits do not apply when any stated objective is not met because the Company does not have control over the circumstances causing the objective to be missed. Situations over which the Company does not have control ***include***, but ***are*** not limited to, the following: (T)

   - any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service,
   - labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather) or other circumstances beyond the Company's control,
   - the customer's premises equipment, and
   - unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premises.

   (c) The Customer must request a credit within one month of the Company missing a BellSouth Metro Ethernet service Level Commitment. ***A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request.*** The Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Company had control over the circumstances causing the failure. (T)

**Note 1:** Details of the technical measurements and performance results methodologies for each Commitment are provided in BellSouth Technical Reference TR-73632.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**C.** Service Level Agreement for ***Premium*** BellSouth Metro Ethernet service[1] (Cont'd) (T)

4. SLA Credits for ***Premium Connections with*** Metro Ethernet Reporting (T)

The following credits will apply when the Company misses a Service Level Commitment (each credit is described in (a) thru (c) following):

BellSouth Metro Ethernet service Time-To-Repair:

- 0 to 4 hours per incident: No Credit
- Over 4 hours to 24 hours per incident: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection
- Each additional 24-hour period, per incident: Credit an additional amount equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection

BellSouth Metro Ethernet service Network Availability:

- A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection.

BellSouth Metro Ethernet service Network Latency:

- A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection.

The SLA credit amount will be determined by applying the credits outlined preceding to the rate elements or total billed revenues specified following.

The total credits issued for all SLAs for a specific BellSouth Metro Ethernet service Connection during a single bill period may not exceed the total monthly recurring charges billed for all the rate elements associated with that BellSouth Metro Ethernet service Connection. Credits are not provided for partial month service.

(a) BellSouth Metro Ethernet service Time-To-Repair Credit – The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Multiple trouble tickets on the same day for the same customer connection will only be eligible for one time-to-repair credit. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection.

(b) BellSouth Metro Ethernet service Network Availability Credit[3] – The Service Level commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet service connection that does not meet the availability commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection.

(c) BellSouth Metro Ethernet service Latency Credit[3] – The Service Level commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet service connection that does not meet the latency commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection.

**Note 1:** Details of the technical measurements and performance results methodologies for each Commitment are provided in BellSouth Technical Reference TR-73632.

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features.

**Note 3:** BellSouth Metro Ethernet networks that do not span more than one switch in the core network are not eligible for credits under this SLA.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service (N)

Customer networks with Virtual BellSouth Metro Ethernet Service and Metro Ethernet Reporting are provided Service Level Agreements (SLAs) as summarized herein E7.4.32.D. BellSouth Metro Ethernet Service SLAs outlined herein specify the Telephone Company's repair and performance commitments for Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections. SLAs will be applied on a per Class of Service (CoS) basis for Virtual Connections; traffic representing the different CoS (i.e., Best Effort, Business Critical, Real-Time and Interactive) transported across the same Virtual Connection will have different SLAs. Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

In accordance with E7.4.32.D.3.(c) following, credits are available for missed commitments to customers purchasing Virtual BellSouth Metro Ethernet Service with the Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Telephone Company. (N)

The following service measurements will outline the service levels the Telephone Company will deliver to Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections: (N)

Repair Commitment: (N)

- BellSouth Metro Ethernet service Time-to-Repair (N)

Network Service Level Commitments: (N)

- BellSouth Metro Ethernet service Core Network Availability (N)
- BellSouth Metro Ethernet service Core Network Latency[1] (N)
- BellSouth Metro Ethernet service Core Network Jitter[1,2] (N)
- BellSouth Metro Ethernet service Core Network Packet Delivery[1] (N)

The Repair Commitment is measured on a per occurrence basis for each BellSouth Metro Ethernet Connection for all CoS. A Fault Report is produced thru the Metro Ethernet Reporting system that aids identification of potential outage durations upon which credits may be requested. (N)

The Network Service Level Commitments are measured on the monthly performance of the Metro Ethernet core network during a specific calendar month by CoS. An SLA Report is produced thru the Metro Ethernet Reporting system that provides details of missed Network Service Level Commitments by CoS upon which credits may be requested based upon a specific calendar month's performance results. (N)

The Company's performance measurement data for the Repair Commitment and Network Service Level Commitments will be collected and calculated utilizing the Company's internal processes as set forth in BellSouth Technical Reference TR-73632. The Company's calculation of its performance shall be the sole determinate of the Company's obligation to provide a credit for a missed performance commitment. (N)

**Note 1:** SLA not applicable for Best Effort CoS. (N)

**Note 2:** SLA not applicable for Business Critical CoS. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

1. SLA Definitions (N)

BellSouth Metro Ethernet service Time to Repair (N)

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's BellSouth Metro Ethernet Connection for all CoS. This measure will require the customer to report the problem to the BellSouth repair center. (N)
- The repair interval will start with the time the trouble ticket is created and end when the fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Time for scheduled maintenance windows (as set forth in E7.4.32.A.3.) does not count towards SLA threshold. (N)

BellSouth Metro Ethernet service Network Availability (N)

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time by CoS during a calendar month that the customer's service is unavailable on the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Availability SLA, and one will not be provided. (N)
- This Service Level Commitment will be calculated by CoS by measuring and summing the outage for each core network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows (as set forth in E7.4.32.A.3.) and time the network was unavailable due to circumstances outside the Telephone Company's control (as set forth in E7.4.32.D.3.(b)). (N)

BellSouth Metro Ethernet service Network Latency (N)

- BellSouth Metro Ethernet Service Network Latency measures average one-way delay in milliseconds within the core network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not span more than one switch in the core network are not eligible for the Network Latency SLA, and one will not be provided. (N)
- This Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured latency of simulated traffic for each eligible CoS within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

BellSouth Metro Ethernet service Network Jitter (N)

- BellSouth Metro Ethernet Service Jitter measures the average variability, measured in time (milliseconds) between the actual packet transmission rate and the expected packet transmission rate within the core network for Interactive and Real-Time CoS. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. (N)
- This Service Level Commitment will be calculated for the Interactive CoS and Real-Time CoS by averaging the measured jitter of simulated traffic for each of the customer's eligible CoS queue within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

BellSouth Metro Ethernet service Packet Delivery (N)

- BellSouth Metro Ethernet Service Network Packet Delivery measures the percentage of packets conforming to the committed bandwidth profile that are delivered across the core network, without being dropped or lost as a result of a fault within the Virtual Ethernet network. The core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. (N)
- This Service Level Commitment will be calculated for each CoS (except the Best Effort CoS) by averaging the measured packet delivery of simulated traffic for eligible CoS within the Metro Ethernet Customer Network (i.e., between each pair of connections) during a calendar month. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

2. The Telephone Company's Service Level Commitments for Virtual BellSouth Metro Ethernet service are as follows: (N)

Time to Repair (N)
- Best Effort CoS: 4 hours or less (N)
- Business Critical CoS: 4 hours or less (N)
- Interactive CoS: 4 hours or less (N)
- Real-Time CoS: 4 hours or less (N)

Network Availability (N)
- Best Effort CoS: 99.500% or greater (N)
- Business Critical CoS: 99.995% or greater (N)
- Interactive CoS: 99.995% or greater (N)
- Real-Time CoS: 99.995% or greater (N)

Latency (one-way) (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: 15 milliseconds or less (N)
- Interactive CoS: 5 milliseconds or less (N)
- Real-Time CoS: 5 milliseconds or less (N)

Jitter (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: Not Applicable (N)
- Interactive CoS: 1 millisecond or less (N)
- Real-Time CoS: 1 millisecond or less (N)

Packet Delivery (N)
- Best Effort CoS: Not Applicable (N)
- Business Critical CoS: 99.900% or greater (N)
- Interactive CoS: 99.950% or greater (N)
- Real-Time CoS: 99.995% or greater (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

3. SLA Restrictions (N)

(a) The Telephone Company will implement SLA provisioning restrictions that will define customer network design requirements and limitations to BellSouth's commitment to meet Service Levels for BellSouth Metro Ethernet Service. The customer network design requirements are as follows: (N)

- A customer must subscribe to the Metro Ethernet Virtual Service with Metro Ethernet Reporting to receive credits for missed Service Level Commitments. (N)
- Credits are not provided for partial month service. (N)
- A customer's account must be current to receive a credit. (N)

(b) SLA Credits do not apply when any stated objective is not met because the Telephone Company does not have control over the circumstances causing the objective to be missed. Situations over which the Telephone Company does not have control include, but are not limited to, the following: (N)

- any act, any omission or negligence on the part of the customer, any other customer or any third party, or of any other entity providing a portion of the service, (N)
- labor difficulties, governmental orders, civil commotions, acts of civil or military authority, embargoes, epidemics, declared National Emergencies, criminal actions against the Telephone Company, war, terrorist acts, riots, insurrections, fires, explosions, nuclear accidents, power blackouts, acts of God (including, but not limited to, earthquakes, floods or unusually severe weather) or other circumstances beyond the Telephone Company's control, (N)
- the customer's premises equipment, and (N)
- unavailability of the customer's facilities and/or equipment including customer-provided power and environmental conditions for BellSouth-owned and operated equipment located on the customer's premises. (N)

(c) The Customer must request a credit within one month of the Telephone Company missing a BellSouth Metro Ethernet Service Level Commitment. A customer request for a Network Service Level SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the observed measurement of the specific SLA that was missed. A customer request for a Repair SLA credit must be submitted on a standard request form issued by the Company that includes the month the SLA commitment was missed, accurate identification of the affected circuit, and the trouble ticket number of the repair request. The Telephone Company will investigate customer requests for any SLA credits to determine the cause of any performance failures reported by the customer. The Telephone Company will investigate the customer's request over a period of up to 45 calendar days. The 45-day period will begin when the customer makes the request for credit with their BellSouth Sales Representative. SLA credits will be provided to the customer if the Company determines that the Telephone Company had control over the circumstances causing the failure. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

4. SLA Credits for Virtual Connections with Metro Ethernet Reporting (Cont'd) (N)

The following credits will apply when the Telephone Company misses a Service Level Commitment on any single CoS (each credit is described in (a) thru (e) following). A maximum of one credit will be applied monthly per Connection for an SLA not met for any CoS that is supported by the customer's CoS profile (i.e., a maximum of one credit is applicable for an SLA even if missed for multiple CoS). (N)

BellSouth Metro Ethernet service Time-To-Repair: (N)

- 0 to 4 hours per incident: No Credit (N)
- Over 4 hours to 24 hours per incident: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)
- Each additional 24-hour period, per incident: Credit an additional amount equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

BellSouth Metro Ethernet service Network Availability: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

BellSouth Metro Ethernet service Latency: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

BellSouth Metro Ethernet service Jitter: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

BellSouth Metro Ethernet service Packet Delivery: A credit equal to 3/30 of the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

**Note 1:** Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.4 Rate Regulations (Cont'd)

### E7.4.32 BellSouth Metro Ethernet Service (Cont'd)

**D.** Service Level Agreement for Virtual BellSouth Metro Ethernet service[1] (Cont'd) (N)

4. SLA Credits for Virtual Connections with Metro Ethernet Reporting (Cont'd) (N)

The SLA credit amount will be determined by applying the credits outlined preceding to the rate elements or total billed revenues specified following: (N)

The total credits issued for all SLAs for a specific BellSouth Metro Ethernet service Connection during a single bill period may not exceed the total monthly recurring charges billed for all the rate elements associated with that BellSouth Metro Ethernet service Connection. Credits are not provided for partial month service. (N)

(a) BellSouth Metro Ethernet Service Time-To-Repair Credit – The Service Level Commitment measurement will be based on each individual trouble ticket for a customer's connection. Multiple trouble tickets on the same day for the same customer connection will only be eligible for one time-to-repair credit. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection (N)

(b) BellSouth Metro Ethernet Service Network Availability Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the availability commitment. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(c) BellSouth Metro Ethernet Service Latency Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the latency Commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(d) BellSouth Metro Ethernet Service Jitter Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the jitter Commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

(e) BellSouth Metro Ethernet Service Packet Delivery Credit[3] – The Service Level Commitment measurement will be based on a specific calendar month's performance. The credit will apply for each BellSouth Metro Ethernet Service Connection that does not meet the packet delivery commitment for any eligible CoS. The SLA credit will apply to the monthly recurring charges for all the rate elements[2] associated with the affected Metro Ethernet Connection. (N)

**Note 1**: Details of the technical measurements and performance results methodologies for each commitment are provided in BellSouth Technical Reference TR-73632. (N)

**Note 2:** Specifically, rate elements for the Metro Ethernet Connection, Additional Mileage and Features. (N)

**Note 3:** BellSouth Metro Ethernet networks that do not span more than one switch in the core network are not eligible for credits under this SLA. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.20 Reserved For Future Use

### E7.5.21 Reserved For Future Use

### E7.5.22 BellSouth Metro Ethernet Service

**A.** Rates and charges for month-to-month service

1. Basic BellSouth Metro Ethernet Service Arrangements

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| (a) 10 Mbps Basic Connection | | | | |
| - Per Connection | **$ 900.00** | **$ 680.00** | **MTEBA** | |
| (b) 100 Mbps Basic Connection | | | | |
| - Per Connection | **900.00** | **1,310.00** | **MTEBB** | |
| (c) 1 Gbps Basic Connection | | | | |
| - Per Connection | **1,000.00** | **2,850.00** | **MTEBC** | |

2. Premium BellSouth Metro Ethernet Service Arrangements

| | | | | |
|---|---|---|---|---|
| (a) 10 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **900.00** | **904.00** | **MTEP3** | |
| - Per Connection, Burst Mode | **900.00** | **1,133.00** | **MTEE3** | |
| (b) 20 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **900.00** | **1,128.00** | **MTEP4** | |
| - Per Connection, Burst Mode | **900.00** | **1,268.00** | **MTEE4** | |
| (c) 50 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **900.00** | **1,488.00** | **MTEP5** | |
| - Per Connection, Burst Mode | **900.00** | **1,545.00** | **MTEE5** | |
| (d) 100 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **1,000.00** | **1,800.00** | **MTEP6** | |
| - Per Connection, Burst Mode | **1,000.00** | **2,018.00** | **MTEE6** | |
| (e) 250 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **1,000.00** | **2,248.00** | **MTEP7** | |
| - Per Connection, Burst Mode | **1,000.00** | **2,415.00** | **MTEE7** | |
| (f) 500 Mbps Premium Connection | | | | |
| - Per Connection, Fixed Mode | **1,000.00** | **2,992.00** | **MTEP8** | |
| - Per Connection, Burst Mode | **1,000.00** | **3,098.00** | **MTEE8** | |
| (g) 900 Mbps Premium Connection | | | | (N) |
| - Per Connection, Fixed Mode | **1,500.00** | **4,436.00** | **MTEP9** | (N) |

3. Dedicated BellSouth Metro Ethernet Service Arrangements

| | | | |
|---|---|---|---|
| (a) 100 Mbps Dedicated Connection | | | |
| - Per Connection | **900.00** | **1,728.00** | **MTEDB** |
| (b) 1 Gbps Dedicated Connection | | | |
| - Per Connection | **1,000.00** | **3,448.00** | **MTEDC** |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

4. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

(a) 10 Mbps Virtual Connection (N)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per Connection | $ 1,000.00 | $ 744.00 | MTEV3 | (N) |
| (b) 20 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 968.00 | MTEV4 | (N) |
| (c) 50 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 1,328.00 | MTEV5 | (N) |
| (d) 80 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,000.00 | 1,484.00 | MTEV6 | (N) |
| (e) 100 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 1,640.00 | MTEV7 | (N) |
| (f) 200 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,088.00 | MTEV8 | (N) |
| (g) 300 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,356.00 | MTEV9 | (N) |
| (h) 450 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,500.00 | 2,832.00 | MTEVA | (N) |
| (i) 600 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,750.00 | 3,364.00 | MTEVB | (N) |
| (j) 750 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 1,750.00 | 3,920.00 | MTEVC | (N) |
| (k) 900 Mbps Virtual Connection | | | | (N) |
| - Per Connection | 2,000.00 | 4,276.00 | MTEVD | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

***5***. BellSouth Metro Ethernet Service Additional Mileage (T)

(a) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 10 miles through 25 airline miles

| | Month to Month | USOC |
|---|---|---|
| - Per 10 – 99 Mbps Connection | $ 333.00 | MTEMA |
| - Per 100 – 499 Mbps Connection | 414.00 | MTEMB |
| - Per 500 Mbps – 1 Gbps Connection | 504.00 | MTEMC |

(b) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 25 miles through 35 airline miles

| | | |
|---|---|---|
| - Per 10 – 99 Mbps Connection | 558.00 | MTEME |
| - Per 100 – 499 Mbps Connection | 702.00 | MTEMF |
| - Per 500 Mbps – 1 Gbps Connection | 837.00 | MTEMG |

(c) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 35 miles through 50 airline miles

| | | |
|---|---|---|
| - Per 10 – 99 Mbps Connection | 873.00 | MTEMJ |
| - Per 100 – 499 Mbps Connection | 1,089.00 | MTEMK |
| - Per 500 Mbps – 1 Gbps Connection | 1,314.00 | MTEML |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

***6***. Priority Plus Feature[1] (T)

| | Nonrecurring Charge | Month to Month | USOC | |
|---|---|---|---|---|
| - Per Connection | **$ -** | **$ 120.00** | **MTETP** | |

***7***. Q-Forwarding Feature[1] (T)

| | | | | |
|---|---|---|---|---|
| (a) | Q-Forwarding Service Establishment Charge | | | |
| | - Per Connection | **400.00** | **-** | **MTEQF** |
| (b) | Q-Forwarding Network Assignment Charge | | | |
| | - Per Network, Per Connection | **-** | **80.00** | **MTEQN** |

8. VLAN Aggregation Feature[2] (N)

| | | | | |
|---|---|---|---|---|
| (a) | VLAN Aggregation Service Establishment Charge | | | (N) |
| | - Per Connection | **400.00** | **-** | **MTEQE** (N) |
| (b) | VLAN Aggregation Network Assignment Charge | | | (N) |
| | - Per VLAN, Per Connection | **-** | **80.00** | **MTEQV** (N) |

***9***. Metro Ethernet Reporting Feature[3] (T)

| | | | | |
|---|---|---|---|---|
| (a) | Metro Ethernet Reporting, Service Establishment Charge | | | |
| | - Per Customer Account | **225.00** | **-** | **MTERE** |
| (b) | Metro Ethernet Reporting Charge | | | |
| | - Per Connection | **-** | **10.00** | **MTERC** |
| (c) | Metro Ethernet Reporting, Web Interface Charge | | | |
| | - First | **-** | **-** | **MTER1** |
| | - Each Additional | **65.00** | **20.00** | **MTERW** |
| (d) | Metro Ethernet Reporting, Security Card | | | |
| | - Each | **200.00** | **-** | **MTERS** |

**Note 1:** Optional feature only available with a Premium Connection.

**Note 2:** Optional feature only available with a Virtual Connection. (N)

**Note 3:** Optional feature only available with a Premium or Virtual Connection. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

10. Class of Service (CoS) Profile[1] (N)

(a) Real-Time CoS[2] (N)

| | Month to Month | USOC | |
|---|---|---|---|
| - 10% | **$ 54.00** | **MTETF** | (N) |
| - 20% | **108.00** | **MTETG** | (N) |
| - 25% | **135.00** | **MTETH** | (N) |
| - 30% | **162.00** | **MTETJ** | (N) |
| - 35% | **189.00** | **MTETK** | (N) |
| - 40% | **216.00** | **MTETL** | (N) |
| - 50% | **270.00** | **MTETM** | (N) |
| - 70% | **378.00** | **MTETO** | (N) |

(b) Interactive CoS[2] (N)

| | | | |
|---|---|---|---|
| - 10% | **45.00** | **MTEVF** | (N) |
| - 20% | **90.00** | **MTEVG** | (N) |
| - 25% | **112.00** | **MTEVH** | (N) |
| - 30% | **135.00** | **MTEVJ** | (N) |
| - 35% | **157.00** | **MTEVK** | (N) |
| - 40% | **180.00** | **MTEVL** | (N) |
| - 50% | **225.00** | **MTEVM** | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

10. Class of Service (CoS) Profile[1] (Cont'd) (N)

(c) Business Critical CoS (N)

| | Month to Month | USOC | |
|---|---|---|---|
| - 10% | **$ 27.00** | **MTEPF** | (N) |
| - 20% | **54.00** | **MTEPG** | (N) |
| - 25% | **67.00** | **MTEPH** | (N) |
| - 30% | **81.00** | **MTEPJ** | (N) |
| - 35% | **94.00** | **MTEPK** | (N) |
| - 40% | **108.00** | **MTEPL** | (N) |
| - 50% | **135.00** | **MTEPM** | (N) |
| - 60% | **162.00** | **MTEPN** | (N) |
| - 75% | **202.00** | **MTEPP** | (N) |
| - 90% | **243.00** | **MTEPQ** | (N) |
| - 100% | **270.00** | **MTEPR** | (N) |

(d) Best Effort CoS (N)

| | | | |
|---|---|---|---|
| - 10% | **9.00** | **MTEBF** | (N) |
| - 20% | **18.00** | **MTEBG** | (N) |
| - 25% | **22.00** | **MTEBH** | (N) |
| - 30% | **27.00** | **MTEBJ** | (N) |
| - 35% | **31.00** | **MTEBK** | (N) |
| - 40% | **36.00** | **MTEBL** | (N) |
| - 50% | **45.00** | **MTEBM** | (N) |
| - 60% | **54.00** | **MTEBN** | (N) |
| - 75% | **67.00** | **MTEBP** | (N) |
| - 90% | **81.00** | **MTEBQ** | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**A.** Rates and charges for month-to-month service (Cont'd)

***11***.Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (C)

(a) Structural Protection

| | Nonrecurring Charge | Month to Month | USOC |
|---|---|---|---|
| - Per APS Arrangement of less than 10 route miles | **$ 1000.00** | **$ 1900.00** | **MTEAO** |
| - Per APS Arrangement of 10 through 25 route miles | **1500.00** | **2145.00** | **MTEA1** |
| - Per APS Arrangement of greater than 25 through 35 route miles | **2000.00** | **2445.00** | **MTEA2** |
| - Per APS Arrangement of greater than 35 through 50 route miles | **2500.00** | **2900.00** | **MTEA3** |
| (b) Route Protection | | | |
| - Per APS Arrangement of less than 10 route miles | **1500.00** | **2320.00** | **MTEA5** |
| - Per APS Arrangement of 10 through 25 route miles | **2000.00** | **2610.00** | **MTEA6** |
| - Per APS Arrangement of greater than 25 through 35 route miles | **2500.00** | **2965.00** | **MTEA7** |
| - Per APS Arrangement of greater than 35 through 50 route miles | **3000.00** | **3435.00** | **MTEA8** |

***12***. Service Reconfiguration Charge (T)

| | | | |
|---|---|---|---|
| (a) Per Request | | | |
| - Per Connection | **200.00** | **-** | **MTESR** |

***13***. System Reconfiguration Charge (T)

| | | | |
|---|---|---|---|
| (a) Per Request | | | |
| - Per Connection | **900.00** | **-** | **MTESY** |

**Note 1:** Optional feature only available with a Basic**,** Premium ***or Virtual*** Connection. (C)

**Note 2:** Per definition of route mileage provided in E7.2.18***U*** preceding. (T)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan

1. Basic BellSouth Metro Ethernet Service Arrangements

| | Nonrecurring Charge | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| (a) 10 Mbps Basic Connection - Per Connection | $ - | $ 630.00 | $ 599.00 | $ 550.00 | MTEBA | |
| (b) 100 Mbps Basic Connection - Per Connection | - | 1,180.00 | 1,121.00 | 1,065.00 | MTEBB | |
| (c) 1 Gbps Basic Connection - Per Connection | - | 2,565.00 | 2,437.00 | 2,315.00 | MTEBC | |

2. Premium BellSouth Metro Ethernet Service Arrangements

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) 10 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 720.00 | 684.00 | 650.00 | MTEP3 | |
| - Per Connection, Burst Mode | - | 900.00 | 855.00 | 812.00 | MTEE3 | |
| (b) 20 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 904.00 | 859.00 | 816.00 | MTEP4 | |
| - Per Connection, Burst Mode | - | 1,013.00 | 962.00 | 914.00 | MTEE4 | |
| (c) 50 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 1,192.00 | 1,132.00 | 1,075.00 | MTEP5 | |
| - Per Connection, Burst Mode | - | 1,238.00 | 1,176.00 | 1,117.00 | MTEE5 | |
| (d) 100 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 1,440.00 | 1,368.00 | 1,300.00 | MTEP6 | |
| - Per Connection, Burst Mode | - | 1,613.00 | 1,532.00 | 1,455.00 | MTEE6 | |
| (e) 250 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 1,800.00 | 1,710.00 | 1,625.00 | MTEP7 | |
| - Per Connection, Burst Mode | - | 1,935.00 | 1,838.00 | 1,746.00 | MTEE7 | |
| (f) 500 Mbps Premium Connection | | | | | | |
| - Per Connection, Fixed Mode | - | 2,392.00 | 2,272.00 | 2,158.00 | MTEP8 | |
| - Per Connection, Burst Mode | - | 2,475.00 | 2,351.00 | 2,233.00 | MTEE8 | |
| (g) 900 Mbps Premium Connection | | | | | | (N) |
| - Per Connection, Fixed Mode | - | 3,700.00 | 3,532.00 | 3,356.00 | MTEP9 | (N) |

3. Dedicated BellSouth Metro Ethernet Service Arrangements

| | | | | | |
|---|---|---|---|---|---|
| (a) 100 Mbps Dedicated Connection | | | | | |
| - Per Connection | - | 1,384.00 | 1,248.00 | 1,186.00 | MTEDB |
| (b) 1 Gbps Dedicated Connection | | | | | |
| - Per Connection | - | 2,760.00 | 2,488.00 | 2,364.00 | MTEDC |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

4. Virtual BellSouth Metro Ethernet Service Arrangements[1] (N)

(a) 10 Mbps Virtual Connection (N)

| | Nonrecurring Charge | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| - Per Connection | $ - | $ 560.00 | $ 529.00 | $ 503.00 | MTEV3 | (N) |
| (b) 20 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 744.00 | 703.00 | 668.00 | MTEV4 | (N) |
| (c) 50 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,032.00 | 975.00 | 926.00 | MTEV5 | (N) |
| (d) 80 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,156.00 | 1,092.00 | 1,038.00 | MTEV6 | (N) |
| (e) 100 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,280.00 | 1,210.00 | 1,149.00 | MTEV7 | (N) |
| (f) 200 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,640.00 | 1,550.00 | 1,472.00 | MTEV8 | (N) |
| (g) 300 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 1,936.00 | 1,830.00 | 1,738.00 | MTEV9 | (N) |
| (h) 450 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 2,232.00 | 2,109.00 | 2,004.00 | MTEVA | (N) |
| (i) 600 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 2,660.00 | 2,514.00 | 2,388.00 | MTEVB | (N) |
| (j) 750 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 3,104.00 | 2,933.00 | 2,787.00 | MTEVC | (N) |
| (k) 900 Mbps Virtual Connection | | | | | | (N) |
| - Per Connection | - | 3,540.00 | 3,345.00 | 3,178.00 | MTEVD | (N) |

**Note 1:** Each Virtual Connection requires the establishment of a Class of Service (CoS) profile. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

***5***. BellSouth Metro Ethernet Service Additional Mileage (T)

(a) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 10 miles through 25 airline miles

| | | Transport Payment Plan Rates | | | |
|---|---|---|---|---|---|
| | | A | B | C | |
| | Nonrecurring Charge | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC |
| - Per 10 – 99 Mbps Connection | $ - | $ 333.00 | $ 333.00 | $ 333.00 | MTEMA |
| - Per 100 – 499 Mbps Connection | - | 414.00 | 414.00 | 414.00 | MTEMB |
| - Per 500 Mbps – 1 Gbps Connection | - | 504.00 | 504.00 | 504.00 | MTEMC |

(b) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 25 miles through 35 airline miles

| | | | | | |
|---|---|---|---|---|---|
| - Per 10 – 99 Mbps Connection | - | 558.00 | 558.00 | 558.00 | MTEME |
| - Per 100 – 499 Mbps Connection | - | 702.00 | 702.00 | 702.00 | MTEMF |
| - Per 500 Mbps – 1 Gbps Connection | - | 837.00 | 837.00 | 837.00 | MTEMG |

(c) BellSouth Metro Ethernet Service Additional Mileage:
BellSouth Metro Ethernet Service arrangements greater than 35 miles through 50 airline miles

| | | | | | |
|---|---|---|---|---|---|
| - Per 10 – 99 Mbps Connection | - | 873.00 | 873.00 | 873.00 | MTEMJ |
| - Per 100 – 499 Mbps Connection | - | 1,089.00 | 1,089.00 | 1,089.00 | MTEMK |
| - Per 500 Mbps – 1 Gbps Connection | - | 1,314.00 | 1,314.00 | 1,314.00 | MTEML |

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

***6***. Priority Plus Feature[1] (T)

| | | Transport Payment Plan Rates | | | |
|---|---|---|---|---|---|
| | | A | B | C | |
| | Nonrecurring Charge[2] | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC |
| - Per Connection | $ - | $ 95.00 | $ 85.00 | $ 80.00 | MTETP |

***7***. Q-Forwarding Feature[1] (T)

(a) Q-Forwarding Service Establishment Charge

| | Nonrecurring Charge[2] | USOC |
|---|---|---|
| - Per Connection | $400.00 | MTEQF |

(b) Q-Forwarding Network Assignment Charge

| | | Transport Payment Plan Rates | | | |
|---|---|---|---|---|---|
| | | A | B | C | |
| | Nonrecurring Charge[2] | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC |
| - Per Network, Per Connection | $ - | $ 65.00 | $ 60.00 | $ 55.00 | MTEQN |

8. VLAN Aggregation Feature[3] (N)

(a) VLAN Aggregation Service Establishment Charge (N)

| | Nonrecurring Charge[2] | USOC |
|---|---|---|
| - Per Connection | $400.00 | MTEQE (N) |

(b) VLAN Aggregation Network Assignment Charge (N)

| | | Transport Payment Plan Rates | | | |
|---|---|---|---|---|---|
| | | A | B | C | |
| | Nonrecurring Charge[2] | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC |
| - Per VLAN, Per Connection | $ - | $ 65.00 | $ 60.00 | $ 55.00 | MTEQN (N) |

(M)

**Note 1:** Optional feature only available with a Premium Connection.

**Note 2:** This nonrecurring charge is applicable to service under a TPP arrangement.

**Note 3:** Optional feature only available with a Virtual Connection. (N)

Material previously appearing on this page now appears on page(s) 83.1 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

***9***. Metro Ethernet Reporting Feature[1] (T)(M)

(a) Metro Ethernet Reporting, Service Establishment Charge (M)

| | Nonrecurring Charge[2] | USOC | |
|---|---|---|---|
| - Per Customer Account | **$ 225.00** | **MTERE** | (M) |

(b) Metro Ethernet Reporting Charge (M)

| | | Transport Payment Plan Rates | | | | |
|---|---|---|---|---|---|---|
| | | A | B | C | | |
| | Nonrecurring Charge[2] | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC | |
| - Per Connection | **$ -** | **$ 8.00** | **$ 6.00** | **$ 5.00** | **MTERC** | (M) |

(c) Metro Ethernet Reporting, Web Interface Charge (M)

| | | | | | | |
|---|---|---|---|---|---|---|
| - First | - | - | - | - | **MTER1** | (M) |
| - Each Additional | **65.00** | **18.00** | **15.00** | **13.00** | **MTERW** | (M) |

(d) Metro Ethernet Reporting, Security Card (M)

| | Nonrecurring Charge[2] | USOC | |
|---|---|---|---|
| - Each | **$ 200.00** | **MTERS** | (M) |

**Note 1:** Optional feature only available with a Premium ***or Virtual*** Connection. (C)(M)

**Note 2:** This nonrecurring charge is applicable to service under a TPP arrangement. (M)

Material appearing on this page previously appeared on page(s) 83 of this section.

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

10. Class of Service (CoS) Profile[1] (N)

(a) Real-Time CoS[2] (N)

| | Nonrecurring Charge[3] | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| - 10% | $ - | $ 54.00 | $ 54.00 | $ 54.00 | MTETF | (N) |
| - 20% | - | 108.00 | 108.00 | 108.00 | MTETG | (N) |
| - 25% | - | 135.00 | 135.00 | 135.00 | MTETH | (N) |
| - 30% | - | 162.00 | 162.00 | 162.00 | MTETJ | (N) |
| - 35% | - | 189.00 | 189.00 | 189.00 | MTETK | (N) |
| - 40% | - | 216.00 | 216.00 | 216.00 | MTETL | (N) |
| - 50% | - | 270.00 | 270.00 | 270.00 | MTETM | (N) |
| - 70% | - | 378.00 | 378.00 | 378.00 | MTETO | (N) |

(b) Interactive CoS[2] (N)

| | | | | | | |
|---|---|---|---|---|---|---|
| - 10% | - | 45.00 | 45.00 | 45.00 | MTEVF | (N) |
| - 20% | - | 90.00 | 90.00 | 90.00 | MTEVG | (N) |
| - 25% | - | 112.00 | 112.00 | 112.00 | MTEVH | (N) |
| - 30% | - | 135.00 | 135.00 | 135.00 | MTEVJ | (N) |
| - 35% | - | 157.00 | 157.00 | 157.00 | MTEVK | (N) |
| - 40% | - | 180.00 | 180.00 | 180.00 | MTEVL | (N) |
| - 50% | - | 225.00 | 225.00 | 225.00 | MTEVM | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%.. (N)

**Note 2:** The combined CoS bandwidth percentages selected in a customer's Virtual Connection CoS profile for Real-Time CoS plus Interactive CoS may not exceed 50%, except where the customer selects the 70% Real-Time CoS bandwidth percentage and has no Interactive traffic. (N)

**Note 3:** This nonrecurring charge is applicable to service under a TPP Arrangement. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

10. Class of Service (CoS) Profile[1] (Cont'd) (N)

(c) Business Critical CoS (N)

| | Nonrecurring Charge[2] | Transport Payment Plan Rates A 12-36 Mos | B 37-60 Mos | C 61-96 Mos | USOC | |
|---|---|---|---|---|---|---|
| - 10% | $ - | $ 27.00 | $ 27.00 | $ 27.00 | MTEPF | (N) |
| - 20% | - | 54.00 | 54.00 | 54.00 | MTEPG | (N) |
| - 25% | - | 67.00 | 67.00 | 67.00 | MTEPH | (N) |
| - 30% | - | 81.00 | 81.00 | 81.00 | MTEPJ | (N) |
| - 35% | - | 94.00 | 94.00 | 94.00 | MTEPK | (N) |
| - 40% | - | 108.00 | 108.00 | 108.00 | MTEPL | (N) |
| - 50% | - | 135.00 | 135.00 | 135.00 | MTEPM | (N) |
| - 60% | - | 162.00 | 162.00 | 162.00 | MTEPN | (N) |
| - 75% | - | 202.00 | 202.00 | 202.00 | MTEPP | (N) |
| - 90% | - | 243.00 | 243.00 | 243.00 | MTEPQ | (N) |
| - 100% | - | 270.00 | 270.00 | 270.00 | MTEPR | (N) |
| (d) Best Effort CoS | | | | | | (N) |
| - 10% | - | 9.00 | 9.00 | 9.00 | MTEBF | (N) |
| - 20% | - | 18.00 | 18.00 | 18.00 | MTEBG | (N) |
| - 25% | - | 22.00 | 22.00 | 22.00 | MTEBH | (N) |
| - 30% | - | 27.00 | 27.00 | 27.00 | MTEBJ | (N) |
| - 35% | - | 31.00 | 31.00 | 31.00 | MTEBK | (N) |
| - 40% | - | 36.00 | 36.00 | 36.00 | MTEBL | (N) |
| - 50% | - | 45.00 | 45.00 | 45.00 | MTEBM | (N) |
| - 60% | - | 54.00 | 54.00 | 54.00 | MTEBN | (N) |
| - 75% | - | 67.00 | 67.00 | 67.00 | MTEBP | (N) |
| - 90% | - | 81.00 | 81.00 | 81.00 | MTEBQ | (N) |

**Note 1:** Each Virtual Connection requires the designation of a CoS profile with desired percentages of each CoS selected. The sum of the percentages for all CoS selected for a Virtual Connection must sum to 100%.. (N)

**Note 2:** This nonrecurring charge is applicable to service under a TPP Arrangement. (N)

# E7. SPECIAL ACCESS (A.K.A. BELLSOUTH SPA) SERVICE

## E7.5 Rates and Charges (Cont'd)

### E7.5.22 BellSouth Metro Ethernet Service (Cont'd)

**B.** Rates and charges for Transport Payment Plan (Cont'd)

***11***. Automatic Protection Switching (APS) Feature[1]: Selected to provide automatic protection switching in conjunction with a Basic**,** Premium ***or Virtual*** BellSouth Metro Ethernet Connection. Applicable APS rate element based upon type of APS selected and actual total route miles[2] (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (C)

(a) Structural Protection

| | | Transport Payment Plan Rates | | | |
|---|---|---|---|---|---|
| | | A | B | C | |
| | Nonrecurring Charge[3] | 12-36 Mos | 37-60 Mos | 61-96 Mos | USOC |
| - Per APS Arrangement of less than 10 route miles | $ - | $ 1250.00 | $ 1092.00 | $ 935.00 | MTEAO |
| - Per APS Arrangement of 10 through 25 route miles | - | 1496.00 | 1301.00 | 1126.00 | MTEA1 |
| - Per APS Arrangement of greater than 25 through 35 route miles | - | 1798.00 | 1679.00 | 1530.00 | MTEA2 |
| - Per APS Arrangement of greater than 35 through 50 route miles | - | 2452.00 | 2376.00 | 2134.00 | MTEA3 |

(b) Route Protection

| | | | | | |
|---|---|---|---|---|---|
| - Per APS Arrangement of less than 10 route miles | - | 1470.00 | 1285.00 | 1100.00 | MTEA5 |
| - Per APS Arrangement of 10 through 25 route miles | - | 1760.00 | 1530.00 | 1325.00 | MTEA6 |
| - Per APS Arrangement of greater than 25 through 35 route miles | - | 2115.00 | 1975.00 | 1800.00 | MTEA7 |
| - Per APS Arrangement of greater than 35 through 50 route miles | - | 2885.00 | 2795.00 | 2510.00 | MTEA8 |

***12***. Service Reconfiguration Charge (T)

(a) Per Request

| | Nonrecurring Charge[3] | USOC |
|---|---|---|
| - Per Connection | $ 200.00 | MTESR |

***13***. System Reconfiguration Charge (T)

(a) Per Request

| | | |
|---|---|---|
| - Per Connection | 900.00 | MTESY |

**Note 1:** Optional feature only available with a Basic**,** Premium ***or Virtual*** Connection. (C)

**Note 2:** Per definition of route mileage provided in E7.2.18***U*** preceding. (T)

**Note 3:** This nonrecurring charge is applicable to service under a TPP arrangement.