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July 13, 2006

**Jerry D. Hendrix**  
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Mrs. Beth Salak  
Director, Division of Communications  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Gerald L. Gunter Building, Room 270  
Tallahassee, Florida 32399-0850

Dear Mrs. Salak:

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

Access Services Tariff

Section E7	Second Revised Page 27.3
	First Revised Page 27.3.1
	Second Revised Page 27.4
	First Revised Page 27.4.1
	First Revised Page 27.5.2
	First Revised Page 48.4.1
	Second Revised Page 78
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	Third Revised Page 82
	Third Revised Page 83
	Second Revised Page 84

This filing will introduce several new speeds of Basic, Premium and Virtual Metro Ethernet service (i.e., 2, 4, and 8 Mbps) in the E Tariff.

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

Yours very truly,

Jerry D. Hendrix (slg)

Regulatory Vice President  
Attachments

**EXECUTIVE SUMMARY**  
**Filing Package No.: FL2006-109**

**Introduction**

The purpose of this filing is to introduce new speeds for BellSouth Metro Ethernet Service offerings in the Access Services Tariff.

**Description for Proposed Tariff**

**BASIC, PREMIUM and VIRTUAL METRO ETHERNET SERVICE:**

Metro Ethernet Service in the Access Services tariff is a high-speed packet transport offering that is based on Ethernet transmission parameters. Presently Metro Ethernet service provides transport capabilities that range from 10 Mbps through 1 Gbps.

This tariff filing will introduce in the Access Services Tariff (Section E7), new Basic, Premium and Virtual service connection speeds of Metro Ethernet Service that operate at 2 Mbps, 4 Mbps and 8 Mbps.

**Revenue Impact**

The new services will cover there costs.

## 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 ~~10-2~~ Mbps through 1 Gbps with capabilities for basic, premium, and virtual arrangements that may be used to meet individual customer needs.
- 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. Technical limitations associated with provisioning 2 Mbps, 4 Mbps and 8 Mbps BellSouth Metro Ethernet Connections based upon distance from the customer's premises to serving wire center and equipment configurations exist and are also set forth in 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.
- I. A Basic BellSouth Metro Ethernet service Connection provides 2 Mbps, 4 Mbps, 8 Mbps, 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<sup>1</sup> 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<sup>1</sup> greater than 10 miles from the Basic 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.

## 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 ~~2 Mbps, 4 Mbps, 8 Mbps,~~ 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)(E)(F)

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. (E)(F)

Premium BellSouth Metro Ethernet service Connections are available with "Fixed" and "Burst" capabilities unless specified otherwise<sup>1</sup>. 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. (E)(F)

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. (E)(F)

A Premium BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises<sup>2</sup> 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<sup>2</sup> greater than 10 miles from the Premium BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges. (E)(F)

**Note 1:** Premium Connections at ~~2 Mbps, 4 Mbps, 8 Mbps and~~ 900 Mbps are available only as Fixed arrangements (i.e., "Burst" capability is not available). (C)(E)(F)

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

## 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<sup>1</sup> 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<sup>1</sup> 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 2 Mbps, 4 Mbps, 8 Mbps, 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 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.

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.

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises<sup>1</sup> 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<sup>1</sup> greater than 10 miles from the Virtual 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.

## 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<sup>1</sup> to the BellSouth Metro Ethernet service wire center associated with the service serving the customer premises<sup>1</sup> is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises<sup>1</sup> 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.

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.

**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.

**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.

While Q-Forwarding is available with BellSouth Premium Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections.

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.

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.

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.

**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.

While VLAN Aggregation is available with BellSouth Virtual Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections.

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.

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.

**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.

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.

BELLSOUTH  
TELECOMMUNICATIONS, INC.  
FLORIDA

ACCESS SERVICES TARIFF

First Revised Page 27.4.1~~Original Page 27.4.1~~  
~~Cancels Original Page 27.4.1~~

ISSUED: July 13, 2006~~ISSUED: June 1, 2006~~

EFFECTIVE: July 28, 2006~~EFFECTIVE: June 16, 2006~~

BY: Marshall M. Criser III, President -FL  
Miami, Florida

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.

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

Material appearing on this page previously appeared on page(s) 27.4 of this section.

All BellSouth marks contained herein and as set forth in the trademarks and service marks section of the BellSouth Tariffs are owned by BellSouth Intellectual Property Corporation.

## 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 of 10 Mbps or higher<sup>1</sup>. 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. However, APS is not available for a 2 Mbps, 4 Mbps or 8 Mbps Connection.

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).

Note 1: Automatic Protection Switching (APS) is not available for a 2 Mbps, 4 Mbps or 8 Mbps Basic, Premium or Virtual Connection.



## 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).

Metro Ethernet Connection (Mbps):	Physical Service Type:	Higher Order of Service (Mbps):
- Dedicated 100	Dedicated I	Basic 1000; Dedicated 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200,300,450, 600,900
- Dedicated 1000	Dedicated II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900
- Basic 2	Basic 0	Basic 4,8,10,100,1000; Premium <sup>1</sup> 2, 4, 8,10,20,50,100,250,500; Virtual 2,4,8,10,20,50,80,100,200,300, 450,600,750,900
- Basic 4	Basic 0	Basic 8,10,100,1000; Premium <sup>1</sup> 4, 8,10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450, 600,750,900
- Basic 8	Basic 0	Basic 10,100,1000; Premium <sup>1</sup> 8,10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750, 900
- Basic 10	Basic I	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500,900 <sup>2</sup> ; Virtual 10,20,50,80,100, 200,300, 450,600,750,900
- Basic 100	Basic II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 80, 100,200,300,450,600,750,900
- Basic 1000	Basic III	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900
- Premium 2	Premium 0	Basic 100,1000; Premium <sup>1</sup> 4,8,10,20,50,100,250,500; Virtual 2,4,8,10,20,50,80,100,200,300,450,600, 750,900
- Premium 4	Premium 0	Basic 100,1000; Premium <sup>1</sup> 8,10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450,600,750, 900
- Premium 8	Premium 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750,900
- Premium <sup>1</sup> 10	Premium I	Basic 1000; Premium <sup>1</sup> 20,50,100,250,500,900 <sup>2</sup> ; Virtual 10,20,50,80,100,200,300, 450,600,750,900
- Premium <sup>1</sup> 20	Premium I	Basic 1000; Premium <sup>1</sup> 50,100,250,500,900 <sup>2</sup> ; Virtual 20,50,80,100,200,300,450, 600,750,900
- Premium <sup>1</sup> 50	Premium I	Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200, 300,450,600,750,900
- Premium <sup>1</sup> 100	Premium II	Premium <sup>1</sup> 250,500,900 <sup>2</sup> ; Virtual 100,200,300,450,600,750,900
- Premium <sup>1</sup> 250	Premium II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 300,450,600,750,900
- Premium <sup>1</sup> 500	Premium II	Premium 900 <sup>2</sup> ; Virtual 450,600,750,900
- Premium 900 <sup>2</sup>	Premium II	Virtual 900
- Virtual 2	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450,600,750,900
- Virtual 4	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750,900
- Virtual 8	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 10,20,50,80,100,200,300,450,600,750,900
- Virtual 10	Virtual I	Basic 1000; Premium <sup>1</sup> 20,50,100,250,500,900 <sup>2</sup> ; Virtual 20,50,80,100,200,300,450, 600, 750,900
- Virtual 20	Virtual I	Basic 1000; Premium <sup>1</sup> 50,100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200,300,450,600,750,900
- Virtual 50	Virtual II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 80, 100,200,300,450,600,750,900
- Virtual 80	Virtual II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 100, 200,300,450,600,750,900
- Virtual 100	Virtual II	Premium <sup>1</sup> 250,500,900 <sup>2</sup> ; Virtual 200,300,450,600,750,900
- Virtual 200	Virtual II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 300,450,600,750,900
- Virtual 300	Virtual II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900
- Virtual 450	Virtual II	Premium 900 <sup>2</sup> ; Virtual 600,750,900
- Virtual 600	Virtual II	Premium 900 <sup>2</sup> ; Virtual 750,900
- Virtual 750	Virtual II	Premium 900 <sup>2</sup> ; Virtual 900
- Virtual 900	Virtual II	None offered at this time

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

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

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

## 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

##### (a) 2 Mbps Basic Connection

- Per Connection

Nonrecurring Charge	Month to Month	USOC
\$ 950.00	\$ 495.00	MTEBO

##### (b) 4 Mbps Basic Connection

- Per Connection

950.00	515.00	MTEB1
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##### (c) 8 Mbps Basic Connection

- Per Connection

950.00	600.00	MTEB2
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##### (ad) 10 Mbps Basic Connection

- Per Connection

\$ 900.00	\$ 680.00	MTEBA
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##### (be) 100 Mbps Basic Connection

- Per Connection

900.00	1,310.00	MTEBB
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##### (ef) 1 Gbps Basic Connection

- Per Connection

1,000.00	2,850.00	MTEBC
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##### 2. Premium BellSouth Metro Ethernet Service Arrangements

##### (a) 2 Mbps Premium Connection

- Per Connection, Fixed Mode

950.00	548.00	MTEPO
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##### (b) 4 Mbps Premium Connection

- Per Connection, Fixed Mode

950.00	576.00	MTEP1
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##### (c) 8 Mbps Premium Connection

- Per Connection, Fixed Mode

950.00	664.00	MTEP2
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##### (ad) 10 Mbps Premium Connection

- Per Connection, Fixed Mode

900.00	904.00	MTEP3
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- Per Connection, Burst Mode

900.00	1,133.00	MTEE3
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##### (be) 20 Mbps Premium Connection

- Per Connection, Fixed Mode

900.00	1,128.00	MTEP4
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- Per Connection, Burst Mode

900.00	1,268.00	MTEE4
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##### (ef) 50 Mbps Premium Connection

- Per Connection, Fixed Mode

900.00	1,488.00	MTEP5
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- Per Connection, Burst Mode

900.00	1,545.00	MTEE5
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##### (eg) 100 Mbps Premium Connection

- Per Connection, Fixed Mode

1,000.00	1,800.00	MTEP6
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- Per Connection, Burst Mode

1,000.00	2,018.00	MTEE6
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##### (eh) 250 Mbps Premium Connection

- Per Connection, Fixed Mode

1,000.00	2,248.00	MTEP7
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- Per Connection, Burst Mode

1,000.00	2,415.00	MTEE7
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##### (ei) 500 Mbps Premium Connection

- Per Connection, Fixed Mode

1,000.00	2,992.00	MTEP8
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- Per Connection, Burst Mode

1,000.00	3,098.00	MTEE8
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##### (ej) 900 Mbps Premium Connection

- Per Connection, Fixed Mode

1,500.00	4,436.00	MTEP9
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##### 3. Dedicated BellSouth Metro Ethernet Service Arrangements

##### (a) 100 Mbps Dedicated Connection

- Per Connection

900.00	1,728.00	MTEDB
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##### (b) 1 Gbps Dedicated Connection

- Per Connection

1,000.00	3,448.00	MTEDC
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**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<sup>1</sup>**

(a) 2 Mbps Virtual Connection

- Per Connection

(b) 4 Mbps Virtual Connection

- Per Connection

(c) 8 Mbps Virtual Connection

- Per Connection

(d) 10 Mbps Virtual Connection

- Per Connection

(e) 20 Mbps Virtual Connection

- Per Connection

(f) 50 Mbps Virtual Connection

- Per Connection

(g) 80 Mbps Virtual Connection

- Per Connection

(h) 100 Mbps Virtual Connection

- Per Connection

(i) 200 Mbps Virtual Connection

- Per Connection

(j) 300 Mbps Virtual Connection

- Per Connection

(k) 450 Mbps Virtual Connection

- Per Connection

(l) 600 Mbps Virtual Connection

- Per Connection

(m) 750 Mbps Virtual Connection

- Per Connection

(n) 900 Mbps Virtual Connection

- Per Connection

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>USOC MTEVO</b>
	<b>\$ 1,000.00</b>	<b>\$ 388.00</b>	
	<b>1,000.00</b>	<b>416.00</b>	<b>MTEV1</b>
	<b>1,000.00</b>	<b>504.00</b>	<b>MTEV2</b>
	<b>\$ 1,000.00</b>	<b>\$ 744.00</b>	<b>MTEV3</b>
	<b>1,000.00</b>	<b>968.00</b>	<b>MTEV4</b>
	<b>1,000.00</b>	<b>1,328.00</b>	<b>MTEV5</b>
	<b>1,000.00</b>	<b>1,484.00</b>	<b>MTEV6</b>
	<b>1,500.00</b>	<b>1,640.00</b>	<b>MTEV7</b>
	<b>1,500.00</b>	<b>2,088.00</b>	<b>MTEV8</b>
	<b>1,500.00</b>	<b>2,356.00</b>	<b>MTEV9</b>
	<b>1,500.00</b>	<b>2,832.00</b>	<b>MTEVA</b>
	<b>1,750.00</b>	<b>3,364.00</b>	<b>MTEVB</b>
	<b>1,750.00</b>	<b>3,920.00</b>	<b>MTEVC</b>
	<b>2,000.00</b>	<b>4,276.00</b>	<b>MTEVD</b>

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

**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**

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

	<b>Month to Month</b>	<b>USOC</b>
<u>- Per 2 – 9 Mbps Connection<sup>1</sup></u>	\$ <b>320.00</b>	<u>MTEMO</u>
- Per 10 – 99 Mbps Connection	\$ <b>333.00</b>	<u>MTEMA</u>
- Per 100 – 499 Mbps Connection	<b>414.00</b>	<u>MTEMB</u>
- Per 500 Mbps – 1 Gbps Connection	<b>504.00</b>	<u>MTEMC</u>

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

<u>- Per 2 – 9 Mbps Connection<sup>1</sup></u>	<u>525.00</u>	<u>MTEMD</u>
- Per 10 – 99 Mbps Connection	<b>558.00</b>	<u>MTEME</u>
- Per 100 – 499 Mbps Connection	<b>702.00</b>	<u>MTEMF</u>
- Per 500 Mbps – 1 Gbps Connection	<b>837.00</b>	<u>MTEMG</u>

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

<u>- Per 2 – 9 Mbps Connection<sup>1</sup></u>	<u>800.00</u>	<u>MTEMH</u>
- Per 10 – 99 Mbps Connection	<b>873.00</b>	<u>MTEMJ</u>
- Per 100 – 499 Mbps Connection	<b>1,089.00</b>	<u>MTEMK</u>
- Per 500 Mbps – 1 Gbps Connection	<b>1,314.00</b>	<u>MTEML</u>

Note 1: Not available for Dedicated Arrangements.

## 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<sup>1</sup>: Selected to provide automatic protection switching in conjunction with a Basic, Premium or Virtual BellSouth Metro Ethernet Connection of 10 Mbps or higher. Applicable APS rate element based upon type of APS selected and actual total route miles<sup>2</sup> (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company.

(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. Optical Termination Charge: An electrical termination on the customer premises is standard for 2, 4 and 8 Mbps Basic, Premium and Virtual Connections. Therefore, an Optical Termination Charge applies when an optional optical termination is requested and provided for a 2, 4 or 8 Mbps Connection.

(a) Per Optical Termination

- Per Connection	=	30.00	MTEO1
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13. Service Reconfiguration Charge

(a) Per Request

- Per Connection	200.00	-	MTESR
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14. System Reconfiguration Charge

(a) Per Request

- Per Connection	900.00	-	MTESY
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**Note 1:** Optional feature only available with a Basic, Premium or Virtual Connection of 10 Mbps or higher. (APS is not available for a 2 Mbps, 4 Mbps or 8 Mbps Basic, Premium or Virtual Connection).

**Note 2:** Per definition of route mileage provided in E7.2.18U preceding.

## 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

##### (a) 2 Mbps Basic Connection

	Nonrecurring Charge	Transport Payment Plan Rates			USOC
		A 12-36 Mos	B 37-60 Mos	C 61-96 Mos	
- Per Connection	\$ -	\$ 380.00	\$ 360.00	\$ 345.00	MTEBO
(b) 4 Mbps Basic Connection					
- Per Connection	-	500.00	415.00	395.00	MTEB1
(c) 8 Mbps Basic Connection					
- Per Connection	-	540.00	475.00	450.00	MTEB2
(ad) 10 Mbps Basic Connection					
- Per Connection	\$ -	\$ 630.00	\$ 599.00	\$ 550.00	MTEBA
(be) 100 Mbps Basic Connection					
- Per Connection	-	1,180.00	1,121.00	1,065.00	MTEBB
(ef) 1 Gbps Basic Connection					
- Per Connection	-	2,565.00	2,437.00	2,315.00	MTEBC

##### 2. Premium BellSouth Metro Ethernet Service Arrangements

##### (a) 2 Mbps Premium Connection

- Per Connection, Fixed Mode	-	500.00	435.00	415.00	MTEPO
(b) 4 Mbps Premium Connection					
- Per Connection, Fixed Mode	-	540.00	470.00	445.00	MTEP1
(c) 8 Mbps Premium Connection					
- Per Connection, Fixed Mode	-	640.00	510.00	485.00	MTEP2
(ad) 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
(be) 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
(ef) 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
(eg) 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
(eh) 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
(ei) 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
(ej) 900 Mbps Premium Connection					
- Per Connection, Fixed Mode	-	3,700.00	3,532.00	3,356.00	MTEP9

##### 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<sup>1</sup>

(a) 2 Mbps Virtual Connection

	Nonrecurring Charge	Transport Payment Plan Rates			USOC
		A 12-36 Mos	B 37-60 Mos	C 61-96 Mos	
- Per Connection	\$ -	\$ 340.00	\$ 321.00	\$ 305.00	MTEVO
(b) <u>4 Mbps Virtual Connection</u>					
- Per Connection	-	380.00	359.00	341.00	MTEV1
(c) <u>8 Mbps Virtual Connection</u>					
- Per Connection	-	480.00	454.00	431.00	MTEV2
(ad) <u>10 Mbps Virtual Connection</u>					
- Per Connection	\$ -	\$ 560.00	\$ 529.00	\$ 503.00	MTEV3
(be) <u>20 Mbps Virtual Connection</u>					
- Per Connection	-	744.00	703.00	668.00	MTEV4
(ef) <u>50 Mbps Virtual Connection</u>					
- Per Connection	-	1,032.00	975.00	926.00	MTEV5
(eg) <u>80 Mbps Virtual Connection</u>					
- Per Connection	-	1,156.00	1,092.00	1,038.00	MTEV6
(eh) <u>100 Mbps Virtual Connection</u>					
- Per Connection	-	1,280.00	1,210.00	1,149.00	MTEV7
(fi) <u>200 Mbps Virtual Connection</u>					
- Per Connection	-	1,640.00	1,550.00	1,472.00	MTEV8
(gj) <u>300 Mbps Virtual Connection</u>					
- Per Connection	-	1,936.00	1,830.00	1,738.00	MTEV9
(hk) <u>450 Mbps Virtual Connection</u>					
- Per Connection	-	2,232.00	2,109.00	2,004.00	MTEVA
(il) <u>600 Mbps Virtual Connection</u>					
- Per Connection	-	2,660.00	2,514.00	2,388.00	MTEVB
(jm) <u>750 Mbps Virtual Connection</u>					
- Per Connection	-	3,104.00	2,933.00	2,787.00	MTEVC
(kn) <u>900 Mbps Virtual Connection</u>					
- Per Connection	-	3,540.00	3,345.00	3,178.00	MTEVD

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

**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

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

	Transport Payment Plan Rates				USOC
	Nonrecurring Charge	A 12-36 Mos	B 37-60 Mos	C 61-96 Mos	
- Per 2 – 9 Mbps Connection <sup>1</sup>	\$ -	\$ 320.00	\$ 320.00	\$ 320.00	MTEMO
- 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 2 – 9 Mbps Connection <sup>1</sup>	-	525.00	525.00	525.00	MTEMD
- 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 2 – 9 Mbps Connection <sup>1</sup>	-	800.00	800.00	800.00	MTEMH
- 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

Note 1: Not available for Dedicated Arrangements.



**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<sup>1</sup>

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 95.00	\$ 85.00	\$ 80.00	MTETP

7. Q-Forwarding Feature<sup>1</sup>

(a) Q-Forwarding Service Establishment Charge

- Per Connection	Nonrecurring Charge <sup>2</sup>	\$400.00			USOC MTEQF
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(b) Q-Forwarding Network Assignment Charge

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per Network, Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 65.00	\$ 60.00	\$ 55.00	MTEQN

8. VLAN Aggregation Feature<sup>3</sup>

(a) VLAN Aggregation Service Establishment Charge

- Per Connection	Nonrecurring Charge <sup>2</sup>	\$400.00			USOC MTEQE
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(b) VLAN Aggregation Network Assignment Charge

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per VLAN, Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 65.00	\$ 60.00	\$ 55.00	MTEQNM TEQV

**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.

Material previously appearing on this page now appears on page(s) 83.1 of this section.

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## 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<sup>1</sup>: Selected to provide automatic protection switching in conjunction with a Basic, Premium or Virtual BellSouth Metro Ethernet Connection of 10 Mbps or higher. Applicable APS rate element based upon type of APS selected and actual total route miles<sup>2</sup> (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company.

(a) Structural Protection

	Transport Payment Plan Rates			USOC	
	Nonrecurring Charge <sup>3</sup>	A 12-36 Mos	B 37-60 Mos		C 61-96 Mos
- 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. Optical Termination Charge: An electrical termination on the customer premises is standard for 2, 4 and 8 Mbps Basic, Premium and Virtual Connections. Therefore, an Optical Termination Charge applies when an optional optical termination is requested and provided for a 2, 4 or 8 Mbps Connection.

(a) Per Optical Termination

- Per Connection	=	30.00	30.00	30.00	MTEO1
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~~13~~13. Service Reconfiguration Charge

(a) Per Request

- Per Connection			Nonrecurring Charge <sup>3</sup> \$ 200.00		USOC MTESR
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~~14~~14. System Reconfiguration Charge

(a) Per Request

- Per Connection			900.00		MTESY
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**Note 1:** Optional feature only available with a Basic, Premium or Virtual Connection.

**Note 2:** Per definition of route mileage provided in E7.2.18U preceding.

**Note 3:** This nonrecurring charge is applicable to service under a TPP arrangement.

## 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 2 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. *Technical limitations associated with provisioning 2 Mbps, 4 Mbps and 8 Mbps BellSouth Metro Ethernet Connections based upon distance from the customer's premises to serving wire center and equipment configurations exist and are also set forth in TR-73632.* (C)
- 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.
- I. A Basic BellSouth Metro Ethernet service Connection provides *2 Mbps, 4 Mbps, 8 Mbps*, 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. (C)  
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<sup>1</sup> 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<sup>1</sup> greater than 10 miles from the Basic 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.

## 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 **2 Mbps, 4 Mbps, 8 Mbps**, 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)

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.

Premium BellSouth Metro Ethernet service Connections are available with "Fixed" and "Burst" capabilities unless specified otherwise<sup>1</sup>. 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.

A Premium BellSouth Metro Ethernet service Connection provides data channel transport that connects customer premises<sup>2</sup> 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<sup>2</sup> greater than 10 miles from the Premium BellSouth Metro Ethernet service wire center also require BellSouth Metro Ethernet service Additional Mileage charges.

**Note 1:** Premium Connections at **2 Mbps, 4 Mbps, 8 Mbps and** 900 Mbps are available only as Fixed arrangements (i.e., "Burst" capability is not available). (C)

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

## 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<sup>1</sup> 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<sup>1</sup> 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 **2 Mbps, 4 Mbps, 8 Mbps**, 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. (C)

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.

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.

A Virtual BellSouth Metro Ethernet Service Connection provides data channel transport that connects customer premises<sup>1</sup> 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<sup>1</sup> greater than 10 miles from the Virtual 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.

## 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<sup>1</sup> to the BellSouth Metro Ethernet service wire center associated with the service serving the customer premises<sup>1</sup> is greater than 10 miles in length. The additional mileage is measured in airline miles from the customer premises<sup>1</sup> 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.

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.

- 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.
- 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.

While Q-Forwarding is available with BellSouth Premium Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections. (N)

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.

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.

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.

- 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.

While VLAN Aggregation is available with BellSouth Virtual Metro Ethernet Connections at 2 Mbps, 4 Mbps and 8 Mbps, this feature is subject to technical limitations set forth in Technical Reference 73632 when used with these speed connections. (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.

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.

- 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.

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.

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.

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

## 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 *of 10 Mbps or higher<sup>1</sup>*. 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. **However, APS is not available for a 2 Mbps, 4 Mbps or 8 Mbps Connection.** (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).

- Note 1:** Automatic Protection Switching (APS) is not available for a 2 Mbps, 4 Mbps or 8 Mbps Basic, Premium or Virtual Connection. (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)**

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 <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200,300,450, 600,900	
- Dedicated 1000	Dedicated II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900	
- Basic 2	Basic 0	Basic 4,8,10,100,1000; Premium <sup>1</sup> 2, 4, 8,10,20,50,100,250,500; Virtual 2,4,8,10,20,50,80,100,200,300, 450,600,750,900	(N)
- Basic 4	Basic 0	Basic 8,10,100,1000; Premium <sup>1</sup> 4, 8,10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450, 600,750,900	(N)
- Basic 8	Basic 0	Basic 10,100,1000; Premium <sup>1</sup> 8,10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750, 900	(N)
- Basic 10	Basic I	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500,900 <sup>2</sup> ; Virtual 10,20,50,80,100, 200,300, 450,600,750,900	
- Basic 100	Basic II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 80, 100,200,300,450,600,750,900	
- Basic 1000	Basic III	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900	
- Premium 2	Premium 0	Basic 100,1000; Premium <sup>1</sup> 4,8,10,20,50,100,250,500; Virtual 2,4,8,10,20,50,80,100,200,300,450,600, 750,900	(N)
- Premium 4	Premium 0	Basic 100,1000; Premium <sup>1</sup> 8,10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450,600,750, 900	(N)
- Premium 8	Premium 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750,900	(N)
- Premium <sup>1</sup> 10	Premium I	Basic 1000; Premium <sup>1</sup> 20,50,100,250,500,900 <sup>2</sup> ; Virtual 10,20,50,80,100,200,300, 450,600,750,900	
- Premium <sup>1</sup> 20	Premium I	Basic 1000; Premium <sup>1</sup> 50,100,250,500,900 <sup>2</sup> ; Virtual 20,50,80,100,200,300,450, 600,750,900	
- Premium <sup>1</sup> 50	Premium I	Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200, 300,450,600,750,900	
- Premium <sup>1</sup> 100	Premium II	Premium <sup>1</sup> 250,500,900 <sup>2</sup> ; Virtual 100,200,300,450,600,750,900	
- Premium <sup>1</sup> 250	Premium II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 300,450,600,750,900	
- Premium <sup>1</sup> 500	Premium II	Premium 900 <sup>2</sup> ; Virtual 450,600,750,900	
- Premium 900 <sup>2</sup>	Premium II	Virtual 900	
- Virtual 2	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 4,8,10,20,50,80,100,200,300,450,600,750,900	(N)
- Virtual 4	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 8,10,20,50,80,100,200,300,450,600,750,900	(N)
- Virtual 8	Virtual 0	Basic 100,1000; Premium <sup>1</sup> 10,20,50,100,250,500; Virtual 10,20,50,80,100,200,300,450,600,750,900	(N)
- Virtual 10	Virtual I	Basic 1000; Premium <sup>1</sup> 20,50,100,250,500,900 <sup>2</sup> ; Virtual 20,50,80,100,200,300,450, 600, 750,900	
- Virtual 20	Virtual I	Basic 1000; Premium <sup>1</sup> 50,100,250,500,900 <sup>2</sup> ; Virtual 50,80,100,200,300,450,600,750,900	
- Virtual 50	Virtual II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 80, 100,200,300,450,600,750,900	
- Virtual 80	Virtual II	Basic 1000; Premium <sup>1</sup> 100,250,500,900 <sup>2</sup> ; Virtual 100, 200,300,450,600,750,900	
- Virtual 100	Virtual II	Premium <sup>1</sup> 250,500,900 <sup>2</sup> ; Virtual 200,300,450,600,750,900	
- Virtual 200	Virtual II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 300,450,600,750,900	
- Virtual 300	Virtual II	Premium <sup>1</sup> 500,900 <sup>2</sup> ; Virtual 450,600,750,900	
- Virtual 450	Virtual II	Premium 900 <sup>2</sup> ; Virtual 600,750,900	
- Virtual 600	Virtual II	Premium 900 <sup>2</sup> ; Virtual 750,900	
- Virtual 750	Virtual II	Premium 900 <sup>2</sup> ; Virtual 900	
- Virtual 900	Virtual II	None offered at this time	

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

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

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



## 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) 2 Mbps Basic Connection	\$ 950.00	\$ 495.00	MTEBO	(N)
- Per Connection				(N)
(b) 4 Mbps Basic Connection	950.00	515.00	MTEB1	(N)
- Per Connection				(N)
(c) 8 Mbps Basic Connection	950.00	600.00	MTEB2	(N)
- Per Connection				(N)
(d) 10 Mbps Basic Connection	900.00	680.00	MTEBA	(T)
- Per Connection				(T)
(e) 100 Mbps Basic Connection	900.00	1,310.00	MTEBB	(T)
- Per Connection				(T)
(f) 1 Gbps Basic Connection	1,000.00	2,850.00	MTEBC	(T)
- Per Connection				(T)

##### 2. Premium BellSouth Metro Ethernet Service Arrangements

(a) 2 Mbps Premium Connection				(N)
- Per Connection, Fixed Mode	950.00	548.00	MTEPO	(N)
(b) 4 Mbps Premium Connection				(N)
- Per Connection, Fixed Mode	950.00	576.00	MTEP1	(N)
(c) 8 Mbps Premium Connection				(N)
- Per Connection, Fixed Mode	950.00	664.00	MTEP2	(N)
(d) 10 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	900.00	904.00	MTEP3	
- Per Connection, Burst Mode	900.00	1,133.00	MTEE3	
(e) 20 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	900.00	1,128.00	MTEP4	
- Per Connection, Burst Mode	900.00	1,268.00	MTEE4	
(f) 50 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	900.00	1,488.00	MTEP5	
- Per Connection, Burst Mode	900.00	1,545.00	MTEE5	
(g) 100 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	1,000.00	1,800.00	MTEP6	
- Per Connection, Burst Mode	1,000.00	2,018.00	MTEE6	
(h) 250 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	1,000.00	2,248.00	MTEP7	
- Per Connection, Burst Mode	1,000.00	2,415.00	MTEE7	
(i) 500 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	1,000.00	2,992.00	MTEP8	
- Per Connection, Burst Mode	1,000.00	3,098.00	MTEE8	
(j) 900 Mbps Premium Connection				(T)
- Per Connection, Fixed Mode	1,500.00	4,436.00	MTEP9	

##### 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<sup>1</sup>**

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>USOC</b>	
(a) 2 Mbps Virtual Connection	<b>\$ 1,000.00</b>	<b>\$ 388.00</b>	<b>MTEVO</b>	(N)
- Per Connection				(N)
(b) 4 Mbps Virtual Connection	<b>1,000.00</b>	<b>416.00</b>	<b>MTEV1</b>	(N)
- Per Connection				(N)
(c) 8 Mbps Virtual Connection	<b>1,000.00</b>	<b>504.00</b>	<b>MTEV2</b>	(N)
- Per Connection				(N)
(d) 10 Mbps Virtual Connection	<b>1,000.00</b>	<b>744.00</b>	<b>MTEV3</b>	(T)
- Per Connection				(T)
(e) 20 Mbps Virtual Connection	<b>1,000.00</b>	<b>968.00</b>	<b>MTEV4</b>	(T)
- Per Connection				(T)
(f) 50 Mbps Virtual Connection	<b>1,000.00</b>	<b>1,328.00</b>	<b>MTEV5</b>	
- Per Connection				(T)
(g) 80 Mbps Virtual Connection	<b>1,000.00</b>	<b>1,484.00</b>	<b>MTEV6</b>	(T)
- Per Connection				(T)
(h) 100 Mbps Virtual Connection	<b>1,500.00</b>	<b>1,640.00</b>	<b>MTEV7</b>	(T)
- Per Connection				(T)
(i) 200 Mbps Virtual Connection	<b>1,500.00</b>	<b>2,088.00</b>	<b>MTEV8</b>	(T)
- Per Connection				(T)
(j) 300 Mbps Virtual Connection	<b>1,500.00</b>	<b>2,356.00</b>	<b>MTEV9</b>	(T)
- Per Connection				(T)
(k) 450 Mbps Virtual Connection	<b>1,500.00</b>	<b>2,832.00</b>	<b>MTEVA</b>	(T)
- Per Connection				(T)
(l) 600 Mbps Virtual Connection	<b>1,750.00</b>	<b>3,364.00</b>	<b>MTEVB</b>	(T)
- Per Connection				(T)
(m) 750 Mbps Virtual Connection	<b>1,750.00</b>	<b>3,920.00</b>	<b>MTEVC</b>	(T)
- Per Connection				(T)
(n) 900 Mbps Virtual Connection	<b>2,000.00</b>	<b>4,276.00</b>	<b>MTEVD</b>	(T)
- Per Connection				(T)

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

**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**

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

	<b>Month to Month</b>	<b>USOC</b>	
- Per 2 – 9 Mbps Connection <sup>1</sup>	\$ <b>320.00</b>	<b>MTEMO</b>	(N)
- Per 10 – 99 Mbps Connection	<b>333.00</b>	<b>MTEMA</b>	(T)
- Per 100 – 499 Mbps Connection	<b>414.00</b>	<b>MTEMB</b>	
- Per 500 Mbps – 1 Gbps Connection	<b>504.00</b>	<b>MTEMC</b>	

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

- Per 2 – 9 Mbps Connection <sup>1</sup>	<b>525.00</b>	<b>MTEMD</b>	(N)
- Per 10 – 99 Mbps Connection	<b>558.00</b>	<b>MTEME</b>	
- Per 100 – 499 Mbps Connection	<b>702.00</b>	<b>MTEMF</b>	
- Per 500 Mbps – 1 Gbps Connection	<b>837.00</b>	<b>MTEMG</b>	

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

- Per 2 – 9 Mbps Connection <sup>1</sup>	<b>800.00</b>	<b>MTEMH</b>	(N)
- Per 10 – 99 Mbps Connection	<b>873.00</b>	<b>MTEMJ</b>	
- Per 100 – 499 Mbps Connection	<b>1,089.00</b>	<b>MTEMK</b>	
- Per 500 Mbps – 1 Gbps Connection	<b>1,314.00</b>	<b>MTEML</b>	

**Note 1:** Not available for Dedicated Arrangements. (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<sup>1</sup>: Selected to provide automatic protection switching in conjunction with a Basic, Premium or Virtual BellSouth Metro Ethernet Connection *of 10 Mbps or higher*. Applicable APS rate element based upon type of APS selected and actual total route miles<sup>2</sup> (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (C)

(a) Structural Protection

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>USOC</b>
- 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 Optical Termination Charge: An electrical termination on the customer premises is standard for 2, 4 and 8 Mbps Basic, Premium and Virtual Connections. Therefore, an Optical Termination Charge applies when an optional optical termination is requested and provided for a 2, 4 or 8 Mbps Connection. (N)

(a) Per Optical Termination (N)

- Per Connection	-	30.00	MTEO1 (N)
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13. Service Reconfiguration Charge (T)

(a) Per Request

- Per Connection	200.00	-	MTESR
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14. System Reconfiguration Charge (T)

(a) Per Request

- Per Connection	900.00	-	MTESY
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**Note 1:** Optional feature only available with a Basic, Premium or Virtual Connection *of 10 Mbps or higher*. (APS is not available for a 2 Mbps, 4 Mbps or 8 Mbps Basic, Premium or Virtual Connection). (C)

**Note 2:** Per definition of route mileage provided in E7.2.18U preceding.

## 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			USOC	
		A 12-36 Mos	B 37-60 Mos	C 61-96 Mos		
(a) 2 Mbps Basic Connection	\$ -	\$ 380.00	\$ 360.00	\$ 345.00	MTEBO	(N)
- Per Connection						
(b) 4 Mbps Basic Connection	-	500.00	415.00	395.00	MTEB1	(N)
- Per Connection						
(c) 8 Mbps Basic Connection	-	540.00	475.00	450.00	MTEB2	(N)
- Per Connection						
(d) 10 Mbps Basic Connection	-	630.00	599.00	550.00	MTEBA	(T)
- Per Connection						
(e) 100 Mbps Basic Connection	-	1,180.00	1,121.00	1,065.00	MTEBB	
- Per Connection						
(f) 1 Gbps Basic Connection	-	2,565.00	2,437.00	2,315.00	MTEBC	(T)
- Per Connection						

##### 2. Premium BellSouth Metro Ethernet Service Arrangements

(a) 2 Mbps Premium Connection						(N)
- Per Connection, Fixed Mode	-	500.00	435.00	415.00	MTEPO	(N)
(b) 4 Mbps Premium Connection						(N)
- Per Connection, Fixed Mode	-	540.00	470.00	445.00	MTEP1	(N)
(c) 8 Mbps Premium Connection						(N)
- Per Connection, Fixed Mode	-	640.00	510.00	485.00	MTEP2	(N)
(d) 10 Mbps Premium Connection						(T)
- Per Connection, Fixed Mode	-	720.00	684.00	650.00	MTEP3	
- Per Connection, Burst Mode	-	900.00	855.00	812.00	MTEE3	
(e) 20 Mbps Premium Connection						(T)
- Per Connection, Fixed Mode	-	904.00	859.00	816.00	MTEP4	
- Per Connection, Burst Mode	-	1,013.00	962.00	914.00	MTEE4	
(f) 50 Mbps Premium Connection						(T)
- 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	
(g) 100 Mbps Premium Connection						(T)
- 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	
(h) 250 Mbps Premium Connection						(T)
- 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	
(i) 500 Mbps Premium Connection						(T)
- 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	
(j) 900 Mbps Premium Connection						(T)
- Per Connection, Fixed Mode	-	3,700.00	3,532.00	3,356.00	MTEP9	

##### 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<sup>1</sup>

(a) 2 Mbps Virtual Connection

		<b>Transport Payment Plan Rates</b>					
		<b>A</b>	<b>B</b>	<b>C</b>			
		<b>12-36</b>	<b>37-60</b>	<b>61-96</b>			
		<b>Mos</b>	<b>Mos</b>	<b>Mos</b>			
		<b>Nonrecurring</b>			<b>USOC</b>		
		<b>Charge</b>					
		<b>\$</b>	<b>\$</b>	<b>\$</b>			
	- Per Connection	-			<b>MTEVO</b>	(N)	
(b)	4 Mbps Virtual Connection						
	- Per Connection	-	<b>380.00</b>	<b>359.00</b>	<b>341.00</b>	<b>MTEV1</b>	(N)
(c)	8 Mbps Virtual Connection						
	- Per Connection	-	<b>480.00</b>	<b>454.00</b>	<b>431.00</b>	<b>MTEV2</b>	(N)
(d)	10 Mbps Virtual Connection						
	- Per Connection	-	<b>560.00</b>	<b>529.00</b>	<b>503.00</b>	<b>MTEV3</b>	(T)
(e)	20 Mbps Virtual Connection						
	- Per Connection	-	<b>744.00</b>	<b>703.00</b>	<b>668.00</b>	<b>MTEV4</b>	(T)
(f)	50 Mbps Virtual Connection						
	- Per Connection	-	<b>1,032.00</b>	<b>975.00</b>	<b>926.00</b>	<b>MTEV5</b>	(T)
(g)	80 Mbps Virtual Connection						
	- Per Connection	-	<b>1,156.00</b>	<b>1,092.00</b>	<b>1,038.00</b>	<b>MTEV6</b>	(T)
(h)	100 Mbps Virtual Connection						
	- Per Connection	-	<b>1,280.00</b>	<b>1,210.00</b>	<b>1,149.00</b>	<b>MTEV7</b>	(T)
(i)	200 Mbps Virtual Connection						
	- Per Connection	-	<b>1,640.00</b>	<b>1,550.00</b>	<b>1,472.00</b>	<b>MTEV8</b>	(T)
(j)	300 Mbps Virtual Connection						
	- Per Connection	-	<b>1,936.00</b>	<b>1,830.00</b>	<b>1,738.00</b>	<b>MTEV9</b>	(T)
(k)	450 Mbps Virtual Connection						
	- Per Connection	-	<b>2,232.00</b>	<b>2,109.00</b>	<b>2,004.00</b>	<b>MTEVA</b>	(T)
(l)	600 Mbps Virtual Connection						
	- Per Connection	-	<b>2,660.00</b>	<b>2,514.00</b>	<b>2,388.00</b>	<b>MTEVB</b>	(T)
(m)	750 Mbps Virtual Connection						
	- Per Connection	-	<b>3,104.00</b>	<b>2,933.00</b>	<b>2,787.00</b>	<b>MTEVC</b>	(T)
(n)	900 Mbps Virtual Connection						
	- Per Connection	-	<b>3,540.00</b>	<b>3,345.00</b>	<b>3,178.00</b>	<b>MTEVD</b>	(T)

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

**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

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

	Nonrecurring Charge	Transport Payment Plan Rates			USOC	
		A 12-36 Mos	B 37-60 Mos	C 61-96 Mos		
- Per 2 – 9 Mbps Connection <sup>1</sup>	\$ -	\$ 320.00	\$ 320.00	\$ 320.00	MTEMO	(N)
- 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	
- 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 2 – 9 Mbps Connection <sup>1</sup>	-	525.00	525.00	525.00	MTEMD	(N)
- 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 2 – 9 Mbps Connection <sup>1</sup>	-	800.00	800.00	800.00	MTEMH	(N)
- 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	

**Note 1:** Not available for Dedicated Arrangements. (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)

6. Priority Plus Feature<sup>1</sup>

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 95.00	\$ 85.00	\$ 80.00	MTETP
		\$ -			

7. Q-Forwarding Feature<sup>1</sup>

(a) Q-Forwarding Service Establishment Charge

		Nonrecurring Charge <sup>2</sup>	USOC
- Per Connection		\$400.00	MTEQF

(b) Q-Forwarding Network Assignment Charge

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per Network, Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 65.00	\$ 60.00	\$ 55.00	MTEQN
		\$ -			

8. VLAN Aggregation Feature<sup>3</sup>

(a) VLAN Aggregation Service Establishment Charge

		Nonrecurring Charge <sup>2</sup>	USOC
- Per Connection		\$400.00	MTEQE

(b) VLAN Aggregation Network Assignment Charge

		Transport Payment Plan Rates			
		A	B	C	
		12-36	37-60	61-96	
		Mos	Mos	Mos	USOC
- Per VLAN, Per Connection	Nonrecurring Charge <sup>2</sup>	\$ 65.00	\$ 60.00	\$ 55.00	MTEQV (T)
		\$ -			

**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.

Material previously appearing on this page now appears on page(s) 83.1 of this section.

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## 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<sup>1</sup>: Selected to provide automatic protection switching in conjunction with a Basic, Premium or Virtual BellSouth Metro Ethernet Connection *of 10 Mbps or higher*. Applicable APS rate element based upon type of APS selected and actual total route miles<sup>2</sup> (rounded up to next whole mile) based upon a customer-specific design as determined by the Telephone Company. (C)

##### (a) Structural Protection

	Nonrecurring Charge <sup>3</sup>	Transport Payment Plan Rates			USOC
		A 12-36 Mos	B 37-60 Mos	C 61-96 Mos	
- 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. Optical Termination Charge: An electrical termination on the customer premises is standard for 2, 4 and 8 Mbps Basic, Premium and Virtual Connections. Therefore, an Optical Termination Charge applies when an optional optical termination is requested and provided for a 2, 4 or 8 Mbps Connection. (N)

##### (a) Per Optical Termination

- Per Connection	-	30.00	30.00	30.00	MTEO1
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#### 13. Service Reconfiguration Charge (T)

##### (a) Per Request

- Per Connection				Nonrecurring Charge <sup>3</sup> \$ 200.00	USOC MTESR
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#### 14. System Reconfiguration Charge (T)

##### (a) Per Request

- Per Connection				900.00	MTESY
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**Note 1:** Optional feature only available with a Basic, Premium or Virtual Connection.

**Note 2:** Per definition of route mileage provided in E7.2.18U preceding.

**Note 3:** This nonrecurring charge is applicable to service under a TPP arrangement.