

EATEL

INTERSTATE

ACCESS

GUIDEBOOK

SECTION 1 – Title Page & Legal Notice

LEGAL NOTICE

The EATEL Interstate Access Guidebook (“Guidebook”) applies to the EATEL Broadband Transmission Services that are subject to the jurisdiction of the Federal Communications Commission (“FCC”).

Broadband Transmission Services, as described in this document, are special access services for which tariffs are subject to withdrawal and services detariffed pursuant to FCC Memorandum Opinion and Order No. FCC 07-180 released October 12, 2007. The Broadband Transmission Services described in the Guidebook are common carrier services that have been detariffed under Title II of the Telecommunications Act, as applicable to non-dominant carriers. Beginning upon the effectiveness of the detariffing of Broadband Transmission rates, terms and conditions, Broadband Transmission Services will be provided under contracts, which may incorporate the rates, terms or conditions of the Guidebook.

The services described in the Guidebook may be available through negotiated agreements, which may include rates, terms or conditions more favorable to you than those in the Guidebook.

Prospective customers wishing to purchase Broadband Transmission Services at the rates, terms and conditions in the Guidebook may do so by initiating orders through the same processes used to order services from EATEL’s interstate access tariffs.

Prospective customers wishing to purchase Broadband Transmission Services at rates, terms or conditions different from those described in the Guidebook may contact their EATEL service representatives or call 1-800-621-4211. EATEL reserves the right to change the rates, terms and conditions in the Guidebook from time to time. Notification of changes will be made available at the EATEL website.

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SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

I. General

- A. Metro Ethernet Service is a high-speed packet transport that is based on Ethernet transmission parameters.
- B. Metro Ethernet Service provides various transport capabilities that range from 10 Mbps through 10000 Mbps that may be used to meet individual customer needs.
- C. Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z standards. 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 Standard Institute
11 West 42nd Street
New York, New York 10036
- D. Metro Ethernet Service, as provided under the provisions of this tariff section, is offered for intraLATA use only.
- E. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this and other guidebooks and tariffs of the Company.
- F. In locations where Metro Ethernet Service is not available, special construction charges may apply as set forth in applicable tariff provisions.
- G. For Metro Ethernet Service, additional tariffed charges such as the Due Date Change Charge, Expedite Request Charge and Cancellation Charge are applicable.

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations

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. 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 **Premium Metro Ethernet Service Connection**

Provides 10, 20, 30, 50, 250, 500, 1000 and 10000 Mbps. Ethernet capabilities that are a part of a Metro Ethernet Service network within a metropolitan area. Premium 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 Metro Ethernet Service Connections are available with “Fixed” and “Burst” capabilities. With the Fixed arrangement, Premium Metro Ethernet Service Connections will have the bandwidth ordered (e.g., 10 Mbps) available across the Metro Ethernet Service network. For example a 10 Mbps, a 20 Mbps, a 30 Mbps, and a 50 Mbps Connection may Burst up to 100 Mbps, while a 100 Mbps, 250 Mbps, 500 Mbps Connection may Burst up to 1 Gbps. 1Gbps may burst up to 10 Gbps. 10 Gbps is only available in fixed mode and is not available to burst.

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

4 **Metro Ethernet Service Independent Company (ICO) or Regional Bell Operating Company (RBOC) Trunk Connection**

Provides interconnection between Company’s Ethernet network and the Ethernet network of an Independent Telephone Company or RBOC.

5 **Metro Ethernet Customer Network**

A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet connections assigned to the same VLAN within the 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.

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations (cont'd)

A. Explanation of Terms (cont'd)

6. Q-Forwarding

Customer with a Premium 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.

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.

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.

7. VLAN Aggregation

Customers with a Virtual 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.

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.

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.

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations (cont'd)

A. Explanation of Terms (cont'd)

8. Reconfiguration Changes

A customer request to modify a 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 Metro Ethernet Service nonrecurring charges. Such changes are not treated as disconnects and do not change minimum period requirements.

A Service Reconfiguration Charge is applicable as set forth herein this guidebook 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 Section E below for a request to change an existing connection to a different connection that is the same physical service type that is a lower speed of service. 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 change the CoS Profile on an existing Virtual connection.

A System Reconfiguration Charge is applicable as set forth herein this guidebook 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 Section E below for a request to change an existing connection to a different connection that is a different physical service type that is a lower speed of service. 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.)

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations (cont'd)

B. Basis of Offering

1. Suspension of service at customer's request is not allowed.
2. 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.

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations (cont'd)

C. Provision of Service

1. Rates and charges contained in this Tariff consist of the following elements:
 - a. Premium Metro Ethernet Service Connection
 - b. Q-Forwarding
 - c. VLAN Aggregation
 - d. Service Reconfiguration
 - e. System Reconfiguration
2. All service connection charges for Metro Ethernet Service are included in the respective nonrecurring charges specified herein.
3. Requests by a customer to change from one Metro Ethernet Service arrangement to another 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.

If the new arrangement requested is a lower speed of service, the System Reconfiguration charge shall apply.

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

4. A request to modify an existing Metro Ethernet Connection as set forth following does not change the speed 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.

A Premium Metro Ethernet Connection-Fixed Mode and Premium Metro Ethernet Connection-Burst Mode of the same speed are considered to be the same speed of service and same physical service type. A Service Reconfiguration charge is applicable for a customer request to reconfigure a Premium 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.

5. A System Reconfiguration Charge is applicable for NCTE signaling interface option (optical to electrical, or vice versa) on an existing Metro Ethernet Connection. Such a change is not treated as a disconnect and there will be no change in the minimum period requirements.
6. In some cases, Company, RBOC and an Independent Telephone Company (ICO) may agree to jointly provide a customer Metro Ethernet Service. The rates and charges for the Metro Ethernet Service Connection are applicable for such connectivity. 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 ICO or RBOC.)

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

II. Regulations (cont'd)

D. Contract Plans

1. When economically practicable, customer specific contract service arrangements may be furnished in lieu of existing guidebook offerings provided there is reasonable potential for uneconomic bypass of the Company's service.
2. Rates, Charges, Terms and additional regulations, if applicable, for the contract service arrangements will be developed on an individual case basis.
3. Unless otherwise specified, the regulations for contract service arrangements are in addition to the applicable regulations and rates specified in other sections of this guidebook.

E. Moves

1. A move involves a change in the physical location of one of the following:
 - a. The point of interface at the customer premises.
 - b. The customer's premises.
2. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
 - a. **Moves Within The Same Building**
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 the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements.
 - b. **To a Different Building**
Moves to a different building will be treated as a disconnect at the existing location and all associated nonrecurring charges will apply at the new location. The customer will remain responsible for satisfying the remainder of the existing contract.

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service								
III.	Rates and Charges							
				Nonrecurring Charge	Month to Month	36 Months	60 Months	
	A.	Premium Metro Ethernet Service Arrangements						
		10 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	1017.00	810.00	729.00	
		(b)	per connection, Burst Mode	1000.00	1359.00	1080.00	972.00	
		20 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	1269.00	1017.00	918.00	
		(b)	per connection, Burst Mode	1000.00	1521.00	1215.00	1098.00	
		30 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	1395.00	1116.00	1017.00	
		(b)	per connection, Burst Mode	1000.00	1629.00	1323.00	1197.00	
		50 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	1674.00	1341.00	1206.00	
		(b)	per connection, Burst Mode	1000.00	1854.00	1485.00	1332.00	
		80 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	1850.00			
		(b)	per connection, Burst Mode	1000.00	2138.00			
		100 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	2025.00	1620.00	1458.00	
		(b)	per connection, Burst Mode	1000.00	2421.00	1935.00	1746.00	
		150 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	2277.00			
		(b)	per connection, Burst Mode	1000.00	2660.00			
		200 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	2403.00			
		(b)	per connection, Burst Mode	1000.00	2779.00			
		250 Mbps	Premium Connection					
		(a)	per connection, Fixed Mode	1000.00	2529.00	2025.00	1827.00	

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service								
III. Rates and Charges (con't)								
					Nonrecurring Charge	Month to Month	36 Months	60 Months
A. Premium Metro Ethernet Service Arrangements								
			(b)	per connection, Burst Mode	1000.00	2898.00	2322.00	2097.00
		300 Mbps		Premium Connection				
			(a)	per connection, Fixed Mode	1000.00	2948.00		
			(b)	per connection, Burst Mode	1000.00	3308.00		
		500 Mbps		Premium Connection				
			(a)	per connection, Fixed Mode	1000.00	3366.00	2691.00	2421.00
			(b)	per connection, Burst Mode	1000.00	3717.00	2970.00	2673.00
		1000 Mbps		Premium Connection				
			(a)	per connection, Fixed Mode	1000.00	4581.00	3821.00	3474.00
			(b)	per connection, Burst Mode	1000.00	4932.00	n/a	n/a
		10000 Mbps		Premium Connection				
			(a)	per connection, Fixed Mode	1000.00	7500.00	6821.00	6474.00
			(b)	per connection, Burst Mode	n/a	n/a	n/a	n/a

SECTION 2 – Metro Ethernet Service

Metro Ethernet Service

III. Rates and Charges (cont'd)

				Nonrecurring Charge	Month to Month	12 to 36 Months	37 to 60 Months
B. Metro Ethernet Service RBOC & Independent Company (ICO) Trunk Arrangements							
1.	ICO Trunk Connection						
	a)	per VLAN connection ¹		1300.00	775.00	500.00	450.00
C. Q-Forwarding Feature²							
1.	Q-Forwarding Service Establishment Charge						
	a)	per connection		500.00	-	-	-
2.	Q-Forwarding network Assignment Charge						
	a)	per network, per connection		-	90.00	75.00	70.00
D. VLAN Aggregation Feature³							
1.	VLAN Aggregation Service Establishment Charge						
	a)	per connection		500.00	-	-	-
2.	VLAN Aggregation, Network Assignment Charge						
	a)	per VLAN, per connection		-	90.00	75.00	70.00
E. Service Reconfiguration Charge							
1.	Service Reconfiguration Charge	500.00					
2.	System Reconfiguration Charge	1000.00					

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

Note 2: Optional feature only available with a Premium connection.

Note 3: Optional feature only available with a Virtual Connection.

SECTION 2 – Metro Ethernet Service

Digital Subscriber Line/Fiber Access Service

I. Rates and Charges

A. Asymmetric Digital Subscriber Line/Fiber Access Service

Except as specifically provided here, regulations concerning Asymmetric Digital Subscriber Line Access Service are the same as those set forth in Section 8.1 of the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 5. Rates for Asymmetric Digital Subscriber Line/Fiber Access Service are based on download and upload speeds and are as follows:

Download speeds	Upload speed	Voice & Data	Data Only
Up to 6 mbps	Up to 3 mbps	\$ 23.75	\$ 54.42
Up to 15 mbps	Up to 3 mbps	\$ 28.88	\$ 61.26
Up to 30 mbps	Up to 15 mbps	\$ 38.17	\$ 90.12
Up to 60 mbps	Up to 30 mbps	\$ 34.05	\$ 80.37
Up to 100 mbps	Up to 50 mbps	\$ 51.53	\$ 121.65
Up to 150 mbps	Up to 50 mbps	\$ 77.30	\$ 182.47
Up to 1000 Mbps	Up to 125 mbps	\$ 97.75	\$204.67

B. Symmetric Digital Subscriber Line Access Service

Regulations concerning Symmetric Digital Subscriber Line/Fiber Access Service are the same as those set forth in Section 8.2 of the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 5

Description	Speed	Monthly Rate	Nonrecurring Charges
SDSL Line Charge – Voice/Data	Up to 768 kbps	32.95	95.00
SDSL Line Charge – Voice/Data	Up to 768 kbps	95.00	181.00

C. DSL/Fiber Access Services Discount Pricing Arrangement

Volume Commitment Discounts are available on the monthly rates specified above for voice and data packages and data only packages contained in this section C as specified below:

1. 20% discount on monthly recurring charges for 10,000-14,999 packages purchased on a monthly basis
2. 40% discount on monthly recurring charges for 15,000-19,999 packages purchased on a monthly basis
3. 55% discount on monthly recurring charges for 20,000 or more purchased on a monthly basis.

Qualification for Volume Commitment Discounts shall be determined on a monthly basis.

SECTION 3 – Optical Wavelength Services

I. General

- A. EATEL’s Wavelength service provides high volume optical transport in a point-to-point configuration. EATEL’s Wavelength service provides transparent optical transport that supports a maximum bandwidth per optical signal.
- B. EATEL Wavelength service is available in three maximum transmission speeds: 1 Gbps, 2.5 Gbps, and 10 Gbps.
- C. Optional electrical interfaces and multiplexing functions are available with this service. Transport of a customer-generated SONET optical signal is supported; however, SONET functionality is not supported with this service.
- D. Optional optical to optical (CWDM/DWDM color to gray, or DWDM color to CWDM color) multiplexing functions are available with this service.
- E. EATEL Wavelength service is furnished where suitable facilities are available as determined by the Company.

II. Regulations

- A. The regulations, rates and charges specified herein are in addition to other regulations, rates and charges as specified in this guide.
 EATEL Wavelength service provides transport of digital optical signals only. Analog optical signals are not supported

III. Rates and Charges

	Nonrecurring Charge	Month to Month Charge	12-36 Months	37-60 Months
1 Gbps Wavelength Channel	\$2500	\$6480	\$5400	\$4500
2.5 Gbps Wavelength Channel	\$5000	\$9324	\$7770	\$6475
10 Gbps Wavelength Channel	\$7500	\$12960	\$10800	\$9000
Optical to Electrical multiplexing per channel	\$500	\$216	\$180	\$150
Optical to Optical multiplexing per channel (DWDM Color to CWDM Color)	\$2000	\$360	\$300	\$250
Optical to Optical multiplexing per channel (CWDM/DWDM Color to Gray)	\$1250	\$264	\$220	\$200