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April 5, 2006

Ms. Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, Rhode Island 02888

Dear Ms. Massaro:

We are filing, herewith, for effect May 5, 2006, tariff material consisting of:

RI PUC No. 15

Part/Section	Revision of Page(s)	Original of Page(s)
TOC	45	N/A
D/1	7, 8, 9, 10, and 11	7.1, 9.1, 9.2
M/4	3	3.1, 3.2, 3.3, and 3.4

This tariff filing provides for the introduction of new access line connections for Transparent LAN Service (TLS) and the introduction of Ethernet Virtual Circuits (EVCs) for Transparent LAN Ethernet Relay Service (ERS).

Transparent LAN Service is a high-speed data service which uses an optical fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers interfaces of 10 Mbps, 100 Mbps, and 1000 Mbps from the customer's LANs to the shared network. Introduction of these alternative access lines and Ethernet Virtual Circuits provides customers with higher bandwidth Ethernet traffic.

Verizon certifies that the rates for the additional TLS access lines and Ethernet Virtual Circuits are not less than the Long-run Incremental Cost of providing the services.

If you have any questions regarding this filing, please contact Frances O'Neill-Cunha of my staff at 401 525-3560.

Enclosed are an original and nine copies of the tariff material. Please return a copy of this letter and the tariff pages marked "Duplicate" with your stamp of receipt.

Respectfully submitted,

Theresa L. O'Brien

Attachments

Verizon Rhode Island
Tariff Filing Support Package

Transparent LAN Service (TLS)

**Addition of TLS Access Lines and
Ethernet Virtual Circuits**

April 2006

Verizon Rhode Island

Transparent LAN Service (TLS) Addition of TLS Access Lines and Ethernet Virtual Circuits

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Rhode Island – Transparent LAN Service

Section 1

Service Description

Transparent LAN Service (TLS) is a high speed data service that uses an optical fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers an interface of 10 Mbps, 100 Mbps or 1000 Mbps from the customer's LANs to the shared network.

Verizon currently offers TLS Ethernet Multipoint Service (EMS), which is a *connection-less* Ethernet TLS service that allows connectivity among multiple customer-designated locations within a LATA. EMS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone.

The purpose of this filing is to add wording to the tariff that more accurately describes the current TLS EMS offering and to enhance TLS by introducing alternate access line arrangements and Ethernet Virtual Circuits.

The new, proposed TLS access lines are as follows:

- Protected Access Lines - Protected Access Lines provide service protection for 100 Mbps and 1000 Mbps EMS Access Lines. Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the customer premises. This service, in most situations, allows a company to recover from a detected failure by moving the customer's data to an alternate fiber pair in approximately one second. Both fiber pairs will be served by the same central office and will have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.
- EMS Real Time Access Lines - EMS Real Time Access Lines provide a form of Quality of Service (QOS) for EMS Service, where a fixed portion of the Access Line is configured for Real Time Traffic, utilizing a Committed Information Rate (CIR). The remainder of the Access Line can be used for traffic which is not Real Time.
- Premier Access Lines – Premiere Access Lines provide a new form of TLS service - Ethernet Relay Service (ERS). ERS is a *connection-oriented* Ethernet service that allows for point-to-point connectivity among customer-designated locations within a LATA. Each ERS domain will be comprised of any number of virtual LANs designated by the customer to be included in the domain. ERS Service requires an Ethernet Virtual Circuit to establish a virtual LAN or CUG and the Quality of Service (QOS) for specific bandwidth between customer locations.

Rhode Island – Transparent LAN Service

Ethernet Virtual Circuits (EVC):

Four classes of service are available with TLS Ethernet Virtual Circuits for Ethernet Relay Service (ERS). Each EVC can include up to three service classes. Customers are required to identify the class of service they require for their Ethernet frames. The four classes of service are:

- ERS EVC Standard - Standard ERS EVCs are designed for use with an ERS Standard UNI Port with Access Line Connection at 10, 100, and 1000 Mbps where the customer applications do not require a Committed Information Rate (CIR) or low delay.
- ERS EVC Basic - ERS EVC Basic circuits are designed for use with an ERS Premier UNI Port with Access Line connection where the customer applications do not require a Committed Information Rate (CIR) or low delay. EVC Basic is available at bandwidths between 1Mbps and 1000 Mbps.
- ERS EVC Priority Data - ERS EVC Priority Data circuits are designed for use with a Premier UNI Port with Access Line connection where the customer applications do not require low delay. EVC Priority Data is available at bandwidths between 1 Mbps and 500 Mbps.
- ERS EVC Real Time - ERS EVC Real Time circuits are designed for use with a Premier UNI Port with Access Line connection with customer applications which require a CIR and low delay for some portion of their traffic. ERS EVC Real Time is available at bandwidths between 1 Mbps and 100 Mbps.

Section 2

Rationale for Filing

Customers are increasingly requesting more robust access lines with Quality of Service characteristics and the ability to deliver higher bandwidth ethernet traffic via connection-oriented services for their network transmissions. In response to this demand, Verizon is deploying the the new TLS access lines and Ethernet Virtual Circuits described in this filing.

The deployment of these new services/features allows Verizon to enhance its TLS Service, remain competitive, and meet our customers' increasing data requirements, while growing the customer base and generating new TLS revenue.

Rhode Island – Transparent LAN Service

Section 3

Application of Charges

The new rates and charges applicable to Transparent LAN Service are as follows:

<u>TLS Rates</u>		
<u>EMS Protected Access Line, each</u>		
	Monthly/MRC	NRC
<u>100 Mbps</u>		
Month-to-Month	\$3,600.00	\$1,300.00
3-Year Term	\$3,000.00	N/A
5-Year Term	\$2,700.00	N/A
<u>1000 Mbps</u>		
Month-to-Month	\$6,000.00	\$1,300.00
3-Year Term	\$5,200.00	N/A
5-Year Term	\$4,800.00	N/A
<u>EMS Premiere Access Line, each</u>		
	Monthly/MRC	NRC
<u>100 Mbps</u>		
Month-to-Month	\$1,200.00	\$1,300.00
3-Year Term	\$1,000.00	N/A
5-Year Term	\$900.00	N/A
<u>1000 Mbps</u>		
Month-to-Month	\$2,400.00	\$1,300.00
3-Year Term	\$2,000.00	N/A
5-Year Term	\$1,800.00	N/A
<u>EMS Real Time Access Line, each</u>		
	Monthly/MRC	NRC
<u>100 Mbps</u>		
Month-to-Month	\$2,500.00	\$1,300.00
3-Year Term	\$2,100.00	N/A
5-Year Term	\$1,900.00	N/A
<u>1000 Mbps</u>		
Month-to-Month	\$4,500.00	\$1,300.00
3-Year Term	\$4,000.00	N/A
5-Year Term	\$3,700.00	N/A

Rhode Island – Transparent LAN Service

<u>ERS EVC Setup, per EVC</u>		
	Monthly/MRC	NRC
	-	\$200.00
<u>ERS Standard Ethernet Virtual Circuit (EVC), per EVC</u>		
	Monthly/MRC	NRC
10 Mbps	\$ 50.00	-
100 Mbps	\$100.00	-
1000 Mbps	\$200.00	-
<u>ERS EVC Basic Bandwidth, per Class</u>		
	Monthly/MRC	NRC
1 Mbps	\$15.00	-
2 Mbps	30.00	-
3 Mbps	45.00	-
4 Mbps	60.00	-
5 Mbps	75.00	-
6 Mbps	90.00	-
7 Mbps	105.00	-
8 Mbps	120.00	-
9 Mbps	135.00	-
10 Mbps	150.00	-
20 Mbps	300.00	-
30 Mbps	450.00	-
40 Mbps	600.00	-
50 Mbps	750.00	-
60 Mbps	850.00	-
70 Mbps	950.00	-
80 Mbps	1,050.00	-
90 Mbps	1,150.00	-
100 Mbps	1,250.00	-
200 Mbps	1,350.00	-
300 Mbps	1,450.00	-
400 Mbps	1,550.00	-
500 Mbps	1,650.00	-
600 Mbps	1,740.00	-
700 Mbps	1,830.00	-
800 Mbps	1,920.00	-
900 Mbps	2,010.00	-
1000 Mbps	2,100.00	-

Rhode Island – Transparent LAN Service

<u>ERS EVC Priority Data Bandwidth, per Class</u>		
	Monthly/MRC	NRC
1 Mbps	\$40.00	-
2 Mbps	80.00	-
3 Mbps	120.00	-
4 Mbps	160.00	-
5 Mbps	200.00	-
6 Mbps	220.00	-
7 Mbps	240.00	-
8 Mbps	260.00	-
9 Mbps	280.00	-
10 Mbps	300.00	-
20 Mbps	600.00	-
30 Mbps	900.00	-
40 Mbps	1,200.00	-
50 Mbps	1,500.00	-
60 Mbps	1,720.00	-
70 Mbps	1,940.00	-
80 Mbps	2,100.00	-
90 Mbps	2,300.00	-
100 Mbps	2,500.00	-
200 Mbps	2,700.00	-
300 Mbps	2,900.00	-
400 Mbps	3,100.00	-
500 Mbps	3,300.00	-
<u>ERS EVC Real Time Bandwidth, per Class</u>		
	Monthly/MRC	NRC
1 Mbps	\$120.00	-
2 Mbps	240.00	-
3 Mbps	360.00	-
4 Mbps	480.00	-
5 Mbps	600.00	-
6 Mbps	660.00	-
7 Mbps	720.00	-
8 Mbps	780.00	-
9 Mbps	840.00	-
10 Mbps	900.00	-
20 Mbps	1,175.00	-
30 Mbps	1,450.00	-
40 Mbps	1,725.00	-
50 Mbps	2,000.00	-
60 Mbps	2,200.00	-
70 Mbps	2,400.00	-
80 Mbps	2,600.00	-

Rhode Island – Transparent LAN Service

<u>ERS EVC Real Time Bandwidth, per Class</u> <u>(cont'd)</u>		
90 Mbps	\$2,800.00	-
100 Mbps	3,000.00	-

Verizon certifies that the rates for the additional TLS access lines and Ethernet Virtual Circuits are not less than the Long-run Incremental Cost of providing the services.

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.1 Definitions	
	In addition to the General Definitions set forth in PUC RI No. 15 , Section 1.1, the following definitions apply:
A.	Committed Information Rate (CIR): This parameter defines the rate that the Customer can expect to achieve on a particular Ethernet Virtual Circuit (EVC). CIR is specified in bits per second. (N)
B.	Domain: A Virtual Local Area Network (VLAN) or a collection of circuits that belongs to one closed user group. (N)
C.	Excess Information Rate (EIR): This parameter defines the rate beyond the CIR that the customer can expect to achieve on a particular EVC. EIR is specified in bits per second. (T)
D.	Megabit Per Second (Mbps.): The speed at which data is transferred through the network, where one Megabit Per Second equals the transfer rate of one (1) million bits of data in one (1) second. (N)
E.	Nanometers (nm): Wavelength frequency equivalent to 1 billionth of a meter. (T)

1.4.2 Service Descriptions	
A.	Transparent LAN Service (TLS) is a high speed data service that uses a shared optical transport network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS delivers interfaces of 10 Mbps, 100 Mbps or 1000 Mbps from the Customer's LANs to the shared network. (T) TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.
B.	TLS is available as two service types: Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) Standard. The Customer must select either EMS or ERS Standard as the service type for each domain: (T)
1.	Ethernet Multipoint Service (EMS) is a connection-less Ethernet TLS service that allows connectivity among multiple Customer-designated locations within a LATA. (T) With EMS, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security among Customers on the shared switch and backbone. An EMS domain is comprised of any number of access lines designated by the Customer to be included in a closed user group (CUG) or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of the Customer's access lines within a given domain. (T)

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.2 Service Descriptions	
2.	<p>Ethernet Relay Service (ERS) Standard is a connection-oriented Ethernet TLS service that allows for point-to-point connectivity between Customer-designated locations within a LATA</p> <p>With ERS, an Ethernet Virtual Circuit (EVC) establishes a virtual LAN or CUG. An ERS domain is comprised of any number of virtual LANs designated by the Customer to be included in the ERS Standard domain. ERS provides point-to-point connectivity between pairs of the Customer's access lines.</p> <p>A Customer may have more than one domain within a LATA, but connections between domains are not permitted. TLS may be used to access shared networks. In such cases, subscribers in a CUG can access only their own data.</p> <p>a. Four EVC service classes are available for use with ERS:</p> <p>ERS Standard (ERS-Std): This service class is available with ERS – Standard UNI Port With Access Line Connections at 10, 100 and 1000 Mbps. ERS Standard is designed for Customer applications that do not require a Committed Information Rate (CIR) or low delay, where CIR equals 0 and Excess Information Rate (EIR) equals the number of Mbps of the selected ERS-Standard EVC service class.</p> <p>ERS Basic (ERS-B): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 1000 Mbps. ERS-B is designed for Customer applications that do not require a CIR or low delay, where the CIR equals 0 and EIR equals the number of Mbps of the selected ERS-B EVC service class.</p> <p>ERS Priority Data (ERS-PD): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 500 Mbps. ERS-PD is designed for Customer applications which do not require low delay, but require a CIR, where the CIR and EIR equal the number of Mbps of the selected ERS-PD EVC service class.</p> <p>ERS Real Time (ERS-RT): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 100 Mbps. ERS-RT is designed for Customer applications which require a CIR and low delay for some portion of their traffic, where CIR equals the number of Mbps of the selected ERS-RT EVC service class and EIR equals 0.</p> <p>An ERS EVC can include up to three service classes (ERS-B, ERS-PD and ERS-RT) as described above within each EVC. The Customer is required to identify the Basic, PD and RT Class of Service Ethernet frames by one of the following choices: setting the VLAN Class of Service (CoS) ID (for 802.1q tagged Ethernet Frames), or setting the DiffServ Code Point (DSCP) (for tagged or untagged Ethernet frames), or setting the VLAN ID (for tagged or untagged Ethernet frames).</p>

(N)

(N)

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.3 Regulations		(X)
A.	A TLS network is provisioned through specialized wire centers in a specific geographic location. Customers gain access to the shared public wire center network via a switch, node or other Telephone Company equipment delivering service through a shared fiber path or network infra-structure and deployed in the Customer's serving central office (TLS equipped central office) or deployed in leased space near the Customer's location. At subscription, the Customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps or 1000 Mbps.	(T) (T)
B.	TLS is available to Customers whose serving central office is a TLS equipped central office and whose location is within the maximum allowable range of the serving central office. The maximum allowable range is determined by the dB loss rate where the actual distance between the TLS equipped serving wire center and the Customer's location varies based on the specifics of the facility used in each serving arrangement.	(T)
C.	If the Customer's serving central office is not a TLS equipped central office, the Customer may obtain service by purchasing Interoffice Mileage in addition to the TLS access line.	(T)(X)
D.	Provision of Service: TLS service consists of:	
1.	Network Interface Device (NID) at the Customer's premises to terminate the fiber pair or other optical transport.	(C)
2.	Optical Transport from the Customer's premises to the serving central office.	(C)
3.	Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.	
4.	User Network Interface (UNI) Port With Access Line Connection.	(T)
5.	Ethernet TLS Ethernet Virtual Circuit (Ethernet TLS EVC), where applicable.	(N)
6.	Interoffice Mileage, where applicable.	(T)
E.	Availability of Service – TLS is provided seven days a week, 24 hours a day, from central offices equipped to provide this service. ERS Service, including Premier Access Lines as defined in Section 1.4.5.A.1.c. and ERS-Std, ERS-B, ERS-PD, ERS-RT EVCs, as defined in Section 1.4.2.B.2, are available only from Central Offices equipped to support ERS service.	(N) (N)
F.	Connections – The network interface is the LAN interface on the TLS equipment at the Customer's premises. The Customer is responsible for any inside wiring required to connect the LAN to the TLS equipment.	
1.	The Customer is also responsible for installation, operation and maintenance of any Customer-provided equipment.	
2.	The Telephone Company has the service responsibility up to and including the network interface.	
G.	Limitations – The Customer's location must be within the maximum allowable range of the TLS equipped central office.	(T)

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.3 Regulations	
H.	Maintenance Window – To meet the Customer’s requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11 PM and 6 AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customer’s service.
I.	Technical Specification – The technical specifications for TLS are delineated in IEEE802.3-2000.
J.	Transmission Mode – The transmission mode supported is dependent on the access rate. The supported transmission mode for 10 Mbps access is half duplex and full duplex. Full duplex 10 Mbps access is available only where conditions and facilities permit. The supported transmission mode for 100 Mbps and 1000 Mbps access is full duplex.
K.	TLS is available where facilities and conditions permit. Special construction charges may apply.
L.	The associated regulations, rates and charges under the appropriate Telephone Company Tariff shall apply in addition to the regulations, rates and charges associated with TLS.

(T)(X)
 (C)
 (X)

1.4.4 Optional Features	
A.	Customer Service Management (CSM)
1.	Customer Service Management (CSM) is an optional feature that provides Customers with web-based reports. These reports give the Customer the ability to extract “read-only” network traffic information regarding their networks thereby allowing Customers to monitor and manage their network performance. CSM is provided per Customer Domain/VLAN.
2.	CSM will be provided where conditions and facilities permit.
3.	The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.

1.4.5 Application of Rates and Charges	
A.	The following rate elements are applicable to TLS:
1.	UNI Port With Access Line Connection
a.	Standard Access Lines (available for EMS or ERS Standard Service Type) – A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 10 Mbps, 100 Mbps, or 1000 Mbps).
	The Standard Access Lines are offered on a month-to-month basis, or as a three-year or five-year Term Commitment Plan.
	A nonrecurring charge applies to the installation of the Standard and Protected Access Lines provided on a month-to-month basis.

(T)
 (T)(C)
 (T)
 (T)

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.5 Application of Rates and Charges	
A. (Cont'd)	
b.	<p>Protected Access Line (available for EMS Service Type Only) – The Protected Access Line is offered on a month-to-month basis, or as a 3-year or 5-year Term Commitment Plan. A nonrecurring charge will apply to the installation of a Protected Access Line provided on a month-to-month basis. A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps or 1000 Mbps). Protected Access Lines are provisioned as a survivable service with an alternate fiber pair between the central office and the Customer premises. Protected Access Lines allow the Company to recover from a detected failure by moving the Customer’s data to an alternate fiber pair in approximately one second. Both fiber pairs must be served by the same central office and must have the same access speed. The second fiber pair will be routed over a diverse fiber path when possible.</p>
c.	<p>Premier Access Line - The Premier Access Line is offered on a month-to-month basis or as a 3-year or 5-year Term Plan. A nonrecurring charge applies to the installation of the UNI provided on a month-to-month basis. Premier Access Lines are available at 100 Mbps or 1,000 Mbps and provide connectivity between the Customer premises and the serving wire center. ERS – Premier UNI Port With Access Line Connection requires some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, as described in Section 1.4.2.B.2, in order to establish point-to-point connectivity among the Customer’s access lines. A Customer cannot mix ERS-Premier UNI ports with any other UNI type.</p> <p>All of the following requirements must be met in order to provision ERS – Premier UNI Port with Access Line Connections:</p> <p>The percentage allocated for EVC bandwidth for ERS-B is less than or equal to 500% of UNI Speed; and</p> <p>The percentage allocated for EVC bandwidth for ERS-PD is less than or equal to 100% of UNI Speed; and</p> <p>The percentage allocated for EVC bandwidth for ERS-RT is less than or equal to 50% of UNI Speed; and</p> <p>The percentage allocated for EVC bandwidth for ERS-PD and ERS-RT is less than or equal to 100% of UNI Speed; and</p> <p>The percentage allocated for EVC bandwidth for ERS-B and ERS-PD and ERS-RT is less than or equal to 600% of UNI Speed.</p>
d.	<p>EMS – Real Time (EMS-RT) Access Line – The EMS-RT Access Line is offered on a month-to-month basis or as a 3-year or 5-year Term Plan. A nonrecurring charge applies to the installation of the EMS-RT Access Line provided on a month-to-month basis. A monthly rate applies on a per-line basis, based on the speed of the access connection (i.e., 100 Mbps or 1000 Mbps). This enhanced service class configures a fixed portion of the UNI to be configured for Real Time Traffic, where each 100 Mbps UNI has a Committed Information Rate (CIR) equal to 2 Mbps and an Excess Information Rate (EIR) equal to 0 and where each 1,000 Mbps UNI has CIR equal to 10 MBPS and EIR equal to 0. The remainder of the UNI can be used for CIR equal to 0 with EIR equal to 0 traffic. A Customer cannot mix an EMS-RT Access Line with the ERS Service type, but may mix an EMS-RT Access Line with EMS Access Lines.</p>

(N)

(N)

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.5 Application of Rates and Charges																						
2.	<p>Ethernet Virtual Circuit (EVC) – For Customers who order the Standard Access Line, a monthly rate will apply on a per EVC bandwidth basis. ERS Standard is the only EVC class available with the Standard Access Line. The EVC bandwidth must be equal to the bandwidth of the lowest speed of the end points it is connecting. ERS Standard EVCs are purchased on a month-to-month basis. A non-recurring charge will apply per ERS Standard EVC.</p> <p>For Customers who order the Premier Access Line, a monthly rate will apply on a service class and EVC bandwidth basis. Premier Access Line Customers have the choice of combining ERS-Basic, ERS-Priority Data, and/or ERS-Real Time bandwidth on an EVC. A non-recurring charge will apply per ERS EVC. EVCs are purchased on a month-to-month basis. A Customer may have more than one service class on the EVC, but will incur only one EVC non-recurring charge.</p> <p>The number of EVCs permitted on each ERS – Standard UNI Port With Access Line Connection and/or ERS Premier UNI Port With Access Line Connection is limited as follows:</p> <table style="margin-left: 40px;"> <tr> <td>10 Mbps</td> <td>=</td> <td>2 EVCs</td> </tr> <tr> <td>100 Mbps</td> <td>=</td> <td>No more than 10 EVCs</td> </tr> <tr> <td>1000 Mbps</td> <td>=</td> <td>No more than 75 EVCs</td> </tr> </table> <p>ERS EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:</p> <table style="margin-left: 40px;"> <thead> <tr> <th style="text-align: left;"><u>EVC Service Class</u></th> <th style="text-align: center;"><u>100 Mbps UNI Max/EVC</u></th> <th style="text-align: center;"><u>1000 Mbps UNI Max/EVC</u></th> </tr> </thead> <tbody> <tr> <td>ERS-B</td> <td style="text-align: center;">100 Mbps</td> <td style="text-align: center;">1000 Mbps</td> </tr> <tr> <td>ERS-PD</td> <td style="text-align: center;">50 Mbps</td> <td style="text-align: center;">500 Mbps</td> </tr> <tr> <td>ERS-RT</td> <td style="text-align: center;">50 Mbps</td> <td style="text-align: center;">100 Mbps</td> </tr> </tbody> </table>	10 Mbps	=	2 EVCs	100 Mbps	=	No more than 10 EVCs	1000 Mbps	=	No more than 75 EVCs	<u>EVC Service Class</u>	<u>100 Mbps UNI Max/EVC</u>	<u>1000 Mbps UNI Max/EVC</u>	ERS-B	100 Mbps	1000 Mbps	ERS-PD	50 Mbps	500 Mbps	ERS-RT	50 Mbps	100 Mbps
10 Mbps	=	2 EVCs																				
100 Mbps	=	No more than 10 EVCs																				
1000 Mbps	=	No more than 75 EVCs																				
<u>EVC Service Class</u>	<u>100 Mbps UNI Max/EVC</u>	<u>1000 Mbps UNI Max/EVC</u>																				
ERS-B	100 Mbps	1000 Mbps																				
ERS-PD	50 Mbps	500 Mbps																				
ERS-RT	50 Mbps	100 Mbps																				
3.	<p>Interoffice Mileage – The Interoffice Mileage charge applies to the distance between the Customer’s serving central office and the nearest TLS equipped central office (a central office equipped with a switch, node or other Telephone Company equipment capable of delivering service via a shared fiber path or network infra-structure). This interoffice distance is measured in airline miles based upon the latitude and longitude of each central office. The mileage measurement is calculated as specified by NECA Tariff FCC No. 4. The mileage rate applies on a per-mile basis. This charge applies in addition to the applicable rates and charges for the TLS UNI Port with Access Line.</p>																					
B.	<p>Minimum Period – The minimum period for TLS under the month-to-month plan is nine months.</p>																					
C.	<p>Term Payment Plans – The TLS UNI Port with Access Lines are offered under a three (3) year or five (5) year Term Payment Plan. The regulations applicable to TLS provided under a Term Payment Plan are specified in 1.4.6 following.</p>																					

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Verizon New England Inc.

1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.5 Application of Rates and Charges	
D.	<p>Moves, Changes and Upgrades – When the Customer requests a move or relocation of a Standard Access Line, Protected Access Line, Premier Access Line, or EMS Real Time Access Line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all charges.</p> <p>When the Customer requests an upgrade in service speed, or change in service type, at an existing address, the upgrade in service speed/change in service type will be treated as a termination of the existing service and the establishment of a new service for the application of all charges, except for termination liability as specified in 1.4.6.D.4.</p> <p>Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location, per change.</p> <p>Customer requests for changes in EMS Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location, per change.</p>
E.	<p>Optional Features – Additional rates and charges apply for optional features.</p> <p>1. A monthly rate and a nonrecurring charge apply for each CSM arrangement. The Customer will be charged on a per Domain/VLAN basis. The nonrecurring charge applies in addition to all other applicable service charges.</p>

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1.4.6 Termination Liability	
A.	<p>In the event TLS is terminated by the Customer prior to completion of the current term commitment period, the Customer shall be liable for an early termination charge, except as noted below. The amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:</p> <p style="text-align: center;">$25\% \times \text{MRC} \times \# \text{ of Lines} \times \text{Remainder of Term} = \text{Termination Charge}$</p> <p>1. Early termination charges will apply only to those rate elements under a term plan. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the Customer may terminate the service without incurring an early termination charge.</p>
B.	<p>End of Term Options - Prior to the end of the term plan, the Customer may select one of the following options, to be effective at the end of the term:</p> <ol style="list-style-type: none"> 1. Renew term plan 2. Commit to a new term plan 3. Arrange for a change of service, or 4. Arrange for termination of the service.
C.	<p>In the event the Customer does not select one of the above options, the Customer will be converted to the shortest-term period available under tariff (i.e., month-to-month) for the same service, and will be subject to the applicable term commitment, if any, unless the Customer terminates the service within sixty (60) days of the conversion date.</p>

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1. Advanced Data Services
1.4 Transparent LAN Service (TLS)

1.4.6 Termination Liability	
D.	Early termination charges will not be assessed under the following circumstances:
1.	Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;
2.	Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;
3.	Customer renegotiates a new term plan for the same service before the current plan expires and the value of the new term plan is equal to or greater than the remaining value of the current term plan;
4.	Customer changes to another service or service type and/or upgrades service to a higher speed or capacity under a term plan, provided the following conditions are met:
a.	The value of the new term plan is equal to or greater than the remaining value of the current term plan,
b.	The Telephone Company provides the new service via tariff or on an individual case basis (ICB) and,
c.	The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

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1.4.7 Interruption of Service	
A.	Interruption of Service - For any complete failure of service which continues for more than 24 hours, credit will be applied according to Part A, Section 1.4.4.

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Verizon New England Inc.

4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
ID	Service Category	Rate Element	Rate	USOC
	TLS Standard Access Line	Half Duplex/Full Duplex - 10 Mbps – Month-to-Month – NRC – Each line	1,300.00	
		100 Mbps – Month-to-Month – NRC – Each line	1,300.00	
		1000 Mbps – Month-to-Month – NRC – Each line	1,300.00	
		Half Duplex/Full Duplex - 10 Mbps – Month-to-Month – Monthly - Each line	1,200.00	
		100 Mbps – Month-to-Month – Monthly Each line	2,400.00	
		1000 Mbps – Month-to-Month – Monthly Each line	4,000.00	
		Half Duplex/Full Duplex - 10 Mbps – 3-year Term Plan – Monthly - Each line	1,000.00	
		100 Mbps – 3-year Term Plan – Monthly Each line	2,000.00	
		1000 Mbps – 3-year Term Plan – Monthly Each line	3,500.00	
		Half Duplex/Full Duplex - 10 Mbps – 5-year Term Plan – Monthly - Each line	900.00	
		100 Mbps – 5-year Term Plan – Monthly - Each line	1,800.00	
		1000 Mbps – 5-year Term Plan – Monthly - Each Line	3,200.00	

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Verizon New England Inc.

4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
ID	Service Category	Rate Element	Rate	USOC
	Protected Access Line, Per line	Month-to-Month option – NRC	1,300.00	
		100 Mbps – Month-to-Month – Monthly – Each	3,600.00	
		100 Mbps – 3-year Term Plan – Monthly – Each	3,000.00	
		100 Mbps – 5-year Term Plan – Monthly – Each	2,700.00	
		1000 Mbps – Month-to-Month – Monthly – Each	6,000.00	
		1000 Mbps – 3-year Term Plan – Monthly – each	5,200.00	
		1000 Mbps – 5-year Term Plan – Monthly – Each	4,800.00	
	Premier Access Line, Per line	Month-to-Month option – NRC	1,300.00	
		100 Mbps – Month-to-Month – Monthly – Each	1,200.00	
		100 Mbps – 3-year Term Plan – Monthly – Each	1,000.00	
		100 Mbps – 5-year Term Plan – Monthly – Each	900.00	
		1000 Mbps – Month-to-Month – Monthly – Each	2,400.00	
		1000 Mbps – 3-year Term Plan – Monthly – Each	2,000.00	
		1000 Mbps – 5-year Term Plan – Monthly – Each	1,800.00	
	EMS - Real Time Access Line	Month-to-Month option – NRC	1,300.00	
		100 Mbps – Month-to-Month – Monthly – Each	2,500.00	
		100 Mbps – 3-year Term Plan – Monthly – Each	2,100.00	
		100 Mbps – 5-year Term Plan – Monthly – Each	1,900.00	
		1000 Mbps – Month-to-Month – Monthly – Each	4,500.00	
		1000 Mbps – 3-year Term Plan – Monthly – Each	4,000.00	
		1000 Mbps – 5-year Term Plan – Monthly – Each	3,700.00	

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Verizon New England Inc.

4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
ID	Service Category	Rate Element	Rate	USOC
	ERS Ethernet Virtual Circuit (EVC)	ERS EVC Setup, Per EVC	200.00	
	ERS EVC Standard (ERS-Std), Per EVC	Standard Per EVC – 10 Mbps – Monthly	50.00	
		Standard Per EVC – 100 Mbps – Monthly	100.00	
		Standard Per EVC – 1000 Mbps – Monthly	200.00	
	ERS EVC Basic (ERS-B) Bandwidth	1 Mbps – Per Class – Monthly	15.00	
		2 Mbps – Per Class – Monthly	30.00	
		3 Mbps – Per Class – Monthly	45.00	
		4 Mbps – Per Class – Monthly	60.00	
		5 Mbps – Per Class – Monthly	75.00	
		6 Mbps – Per Class – Monthly	90.00	
		7 Mbps – Per Class – Monthly	105.00	
		8 Mbps – Per Class – Monthly	120.00	
		9 Mbps – Per Class – Monthly	135.00	
		10 Mbps – Per Class - Monthly	150.00	
		20 Mbps – Per Class – Monthly	300.00	
		30 Mbps – Per Class – Monthly	450.00	
		40 Mbps – Per Class – Monthly	600.00	
		50 Mbps – Per Class – Monthly	750.00	
		60 Mbps – Per Class – Monthly	850.00	
		70 Mbps – Per Class – Monthly	950.00	
		80 Mbps – Per Class – Monthly	1,050.00	
		90 Mbps – Per Class – Monthly	1,150.00	
		100 Mbps – Per Class – Monthly	1,250.00	
		200 Mbps – Per Class – Monthly	1,350.00	
	300 Mbps – Per Class – Monthly	1,450.00		
	400 Mbps – Per Class – Monthly	1,550.00		
	500 Mbps – Per Class – Monthly	1,650.00		

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4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
ID	Service Category	Rate Element	Rate	USOC
	ERS EVC Basic (ERS-B) Bandwidth	600 Mbps – Per Class – Monthly	1,740.00	
		700 Mbps – Per Class – Monthly	1,830.00	
		800 Mbps – Per Class – Monthly	1,920.00	
		900 Mbps – Per Class – Monthly	2,010.00	
		1000 Mbps – Per Class – Monthly	2,100.00	
	ERS EVC Priority Data (ERS-PD) Bandwidth	1 Mbps – Per Class – Monthly	40.00	
		2 Mbps – Per Class – Monthly	80.00	
		3 Mbps – Per Class – Monthly	120.00	
		4 Mbps – Per Class – Monthly	160.00	
		5 Mbps – Per Class – Monthly	200.00	
		6 Mbps – Per Class – Monthly	220.00	
		7 Mbps – Per Class – Monthly	240.00	
		8 Mbps – Per Class – Monthly	260.00	
		9 Mbps – Per Class – Monthly	280.00	
		10 Mbps – Per Class – Monthly	300.00	
		20 Mbps – Per Class – Monthly	600.00	
		30 Mbps – Per Class – Monthly	900.00	
		40 Mbps – Per Class – Monthly	1,200.00	
		50 Mbps – Per Class – Monthly	1,500.00	
		60 Mbps – Per Class – Monthly	1,720.00	
		70 Mbps – Per Class – Monthly	1,940.00	
		80 Mbps – Per Class – Monthly	2,100.00	
		90 Mbps – Per Class – Monthly	2,300.00	
		100 Mbps – Per Class – Monthly	2,500.00	
		200 Mbps – Per Class – Monthly	2,700.00	
	300 Mbps – Per Class – Monthly	2,900.00		
	400 Mbps – Per Class – Monthly	3,100.00		
	500 Mbps – Per Class – Monthly	3,300.00		

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Verizon New England Inc.

4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
ID	Service Category	Rate Element	Rate	USOC
	ERS EVC Real Time (ERS-RT) Bandwidth	1 Mbps – Per Class – Monthly	120.00	
		2 Mbps – Per Class – Monthly	240.00	
		3 Mbps – Per Class – Monthly	360.00	
		4 Mbps – Per Class – Monthly	480.00	
		5 Mbps – Per Class – Monthly	600.00	
		6 Mbps – Per Class – Monthly	660.00	
		7 Mbps – Per Class – Monthly	720.00	
		8 Mbps – Per Class – Monthly	780.00	
		9 Mbps – Per Class – Monthly	840.00	
		10 Mbps – Per Class – Monthly	900.00	
		20 Mbps – Per Class – Monthly	1,175.00	
		30 Mbps – Per Class – Monthly	1,450.00	
		40 Mbps – Per Class – Monthly	1,725.00	
		50 Mbps – Per Class – Monthly	2,000.00	
		60 Mbps – Per Class – Monthly	2,200.00	
		70 Mbps – Per Class – Monthly	2,400.00	
		80 Mbps – Per Class – Monthly	2,600.00	
	90 Mbps – Per Class – Monthly	2,800.00		
	100 Mbps – Per Class – Monthly	3,000.00		
	Interoffice Mileage, Per line	Per Mile – Monthly	100.00	
	TLS Domain/LAN Extension Equipment Changes	NRC – Per location, Per Change	400.00	
	Optional Features	Customer Service Management – Per Domain/VLAN – NRC	350.00	
		Customer Service Management – Per Domain/VLAN – Monthly	150.00	

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