

Theresa L. O'Brien
Vice President – Regulatory Affairs



234 Washington Street
Providence, RI 02903

Phone 401 525-3060
Fax 401 525-3064
theresa.obrien@verizon.com

January 7, 2011

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

RECEIVED
2011 JAN -7 AM 9:36
PUBLIC UTILITIES COMMISSION

Dear Ms. Massaro:

We are filing, herewith, for effect February 7, 2011, tariff material consisting of:

PUC RI No. 15

Part/Section	Revision of Pages	Original of Pages
D/1	7.1, 8, 8.1, 9, 9.1, 9.2, 10, 11, 11.2, and 11.4	N/A
M/4	3.1.1 and 3.4	3.5 and 3.6

With this filing, Verizon Rhode Island (“Verizon RI”) proposes to introduce a new Ethernet Virtual Circuit (EVC) service type, Ethernet Virtual Private – Local Area Network (EVP-LAN), to Transparent LAN (TLS) Premier Access Lines. TLS is a high speed data service that uses a shared optical transport network to allow for the interconnection of Local Area Networks (LANs).

Additionally, this filing also introduces a lower speed (10 Mbps) to TLS Ethernet Relay Service (ERS) Premier Access lines with month-to-month, 3- and 5-year term rates. Existing TLS Premier Access Line currently offers 100 Mbps and 1000 Mbps bandwidths.

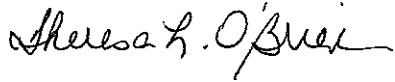
This filing further proposes to withdraw both the User Network Interface with Protected Access Line Service (PAL) and the Customer Service Management (CSM) feature associated with TLS. There are no customers for these services in the state of Rhode Island.

The attached Executive Summary provides further details of the filing.

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 with your stamp of receipt.

Respectfully submitted,

A handwritten signature in cursive script that reads "Theresa L. O'Brien".

Theresa L. O'Brien

Attachments

Transparent LAN Service (TLS)
**Introduction of Ethernet Virtual Private
Local Area Network (EVP-LAN)**

Verizon Rhode Island
Tariff Filing Executive Summary

January, 2011

**Verizon Rhode Island
Transparent LAN Service (TLS)**

**Introduction of Ethernet Virtual Private
Local Area Network (EVP-LAN)**

Executive Summary

<u>Contents</u>	<u>Page</u>
Purpose of Filing	1
Rationale for Filing	2
Application of Charges	2

Rhode Island – Transparent LAN Service

Ethernet Virtual Private Local Area Network (EVP-LAN)

Section 1

Purpose of Filing

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). TLS delivers interfaces of 10 Mbps, 100 Mbps, 1000 Mbps, or 10 Gbps from the customer's LANs to the shared network.

This filing introduces a new Ethernet Virtual Circuit (EVC) type called Ethernet Virtual Private Local Area Network (EVP-LAN) to TLS. EVP-LAN provides the ability to offer multipoint-to-multipoint Ethernet service on a TLS Premier Access User Network Interface (UNI). EVP-LAN service provides for the provisioning of an EVC Virtual LAN bandwidth on a Premier Access UNI and the bridging of the EVP-LAN bandwidth to other EVP-LAN EVCs within a Virtual LAN assignment. This EVP-LAN feature will enable Verizon customers to establish *multipoint-to-multipoint* service across multiple Premier Access UNIs while simultaneously using those Premier Access UNIs to establish point-to-point service. This EVP-LAN offering is introduced with month-to-month rates.

In conjunction with the addition of the EVP-LAN service, Verizon is changing the percentage of allocated EVC bandwidth for standard EVC traffic to assure Verizon's Service Level Agreements (SLA) commitments are met. An EVP-LAN EVC is a multipoint-to-multipoint service offering such that Ethernet traffic does not have a consistent defined path for performance measuring. As a result, EVP-LAN EVCs are not included with performance SLAs. Verizon is establishing bandwidth parameters for each EVP-LAN Class of Service type to assure network performance for the Customer. In addition, Verizon is adding clarification to further define the permissible Class of Service (CoS) bandwidth per UNI speed and EVC type.

Also, Verizon is introducing a lower speed Premier Access UNI (10 Mbps Ethernet Relay Service (ERS) Premier Access UNI). This offering will be available on a month-to-month basis or at 3- and 5-year term rates. Currently, the TLS Premier Access Lines are offered at 100 Mbps and 1000 Mbps bandwidths. The addition of the 10Mbps ERS Premier Access UNI will enable greater use of standard ERS EVCs and the new EVP-LAN EVCs.

Verizon is also withdrawing two TLS services - EMS Protected Access Line (PAL) UNI service and Customer Service Management (CSM) reporting service. There are no customers in Rhode Island for these services, and Verizon foresees no demand in the future.

Rhode Island – Transparent LAN Service

Ethernet Virtual Private Local Area Network (EVP-LAN)

Section 2

Rationale for Filing

This filing responds to customers' requests to converge two networking solutions, Ethernet LAN (E-LAN) and Ethernet Virtual Private Line (EVPL), on the same Ethernet UNI connection. The introduction of the new Ethernet Virtual Circuit (EVC) service type, Ethernet Virtual Private – Local Area Network (EVP-LAN), to Transparent LAN (TLS) Premier Access Line service will allow Verizon to enhance its TLS Service offering, remain competitive, and meet large, sophisticated customers' data requirements while growing the customer base and generating new TLS revenue

Many customers (i.e. enterprises, universities, medical and financial institutions) use Wide Area Network (WAN) solutions for their data needs. A select set of customers desires the ability to establish one Ethernet connection per site and be able to use that single connection for multiple WAN solutions. The combination of the EVP-LAN EVC type and the ERS EVC type will enable customers to create multipoint-to-multipoint and point-to-point Ethernet WAN solutions with greater efficiency.

Section 3

Application of Charges

The rates and charges applicable to EVP-LAN and 10 Mbps ERS Premier Access UNIs are as follows:

<u>TLS Rates</u>		
<u>Ethernet Virtual Private LAN (EVP-LAN), each</u>		
	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
1 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$16.00	\$200.00
2 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$32.00	\$200.00
3 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$48.00	\$200.00
4 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$64.00	\$200.00
5 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$80.00	\$200.00
6 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$96.00	\$200.00
7 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$112.00	\$200.00
8 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$128.00	\$200.00

Rhode Island – Transparent LAN Service

Ethernet Virtual Private Local Area Network (EVP-LAN)

9 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$144.00	\$200.00
10 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$160.00	\$200.00
20 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$315.00	\$200.00
30 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$470.00	\$200.00
40 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$625.00	\$200.00
50 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$780.00	\$200.00
60 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$885.00	\$200.00
70 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$990.00	\$200.00
80 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,095.00	\$200.00
90 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,200.00	\$200.00
100 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,305.00	\$200.00
200 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,410.00	\$200.00
300 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,515.00	\$200.00
400 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,620.00	\$200.00
500 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,715.00	\$200.00
600 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,810.00	\$200.00
700 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$1,905.00	\$200.00
800 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$2,000.00	\$200.00
900 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$2,095.00	\$200.00
1000 Mbps - Month-to-Month - Basic Class of Service - Per EVPLAN EVC	\$2,190.00	\$200.00
1 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$125.00	\$200.00
2 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$250.00	\$200.00
3 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$375.00	\$200.00
4 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$500.00	\$200.00
5 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$625.00	\$200.00
6 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$690.00	\$200.00
7 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$755.00	\$200.00
8 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$820.00	\$200.00
9 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$885.00	\$200.00
10 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$950.00	\$200.00
20 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$1,235.00	\$200.00
30 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$1,520.00	\$200.00
40 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$1,805.00	\$200.00
50 Mbps - Month-to-Month - Real-Time Class of Service - Per EVPLAN EVC	\$2,090.00	\$200.00

TLS Rates

10 Mbps ERS Premier Access UNI , each

	<u>Monthly Rate</u>	<u>Non- recurring Charge</u>
<u>Premier Access Line , Per Line</u>		
10 Mbps - Month-to-Month – Monthly – Each	\$1,025.00	\$1300.00
10 Mbps – 3-Year Term Plan – Monthly – Each	\$875.00	\$1300.00
10 Mbps - 5-Year Term Plan – Monthly – Each	\$775.00	\$1300.00

Verizon certifies that the rates for Ethernet Virtual Private Local Area Network and 10 Mbps ERS Premier Access UNIs are not less than the Long-run Incremental Costs of providing the services.

Verizon New England Inc.

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

1.4.2 Service Descriptions

2. 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.

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.

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.

With ERS service type, an Ethernet Virtual Private – Local Area Network (EVP-LAN) can be established with EVP-LAN EVCs. An EVP-LAN is a multipoint Virtual LAN comprised of a CUG of two or more EVCs. EVP-LAN EVCs are designated by the Customer within an ERS Premier domain.

a. Six EVC service classes are available for use with ERS:

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.

ERS Basic (ERS-B): This services 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.

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.

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.

EVP-LAN Basic (EVPLAN-B): This services class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 1000 Mbps. EVP-LAN-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 EVPLAN-B EVC service class.

EVP-LAN Real Time (EVPLAN-RT): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 50 Mbps. EVPLAN-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 EVPLAN-RT EVC service class and EIR equals 0. EVPLAN-RT is not available for 10 Gbps UNI speed.

(N)
 (N)
 (C)

(N)
 (N)

Verizon New England Inc.

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

1.4.2 Service Descriptions

a. (Cont'd)

An ERS EVC can include up to three service classes (ERS-B, ERS-PD and ERS-RT) as described above within each EVC. An EVP-LAN EVC can include one service class (either EVPLAN-B or EVPLAN-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).

(X)
 (N)
 (N)
 (X)

1.4.3 Regulations

- 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 infrastructure. Telephone Company equipment used to deliver service may be deployed in the Customer's serving central office (TLS-equipped central office), deployed in leased space near the Customer's location, or deployed at the Customer's location. At subscription, the Customer has an option of selecting access lines at speeds of 10 Mbps, 100 Mbps, 1000 Mbps, or 10 Gbps. The 10 Gbps UNI speed is available only through the Ethernet Relay Service (ERS) Premier access line service type.
- B.** TLS is available to Customers whose serving central office is a TLS-equipped central office and whose location is within the maximum allowable fiber 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 transport facility used in each serving arrangement.
- 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.
- 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.
 - 2. Optical Transport from the Customer's premises to the serving central office.
 - 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.
 - 5. Ethernet TLS Ethernet Virtual Circuit (Ethernet TLS EVC), where applicable.
 - 6. Interoffice Mileage, where applicable.
- 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, EVPLAN-B, and EVPLAN-RT EVCs, as defined in Section 1.4.2.B.2, are available only from Central Offices equipped to support ERS service.

(N)

Verizon New England Inc.

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

1.4.3 Regulations	
F.	The standard Customer connectivity model for UNI Port with Access includes direct fiber or existing transport facilities between the Customer's location and the TLS-equipped central office. Customers requesting Protected Access Line service* will have two standby fibers provisioned in addition to the primary direct fiber. The customer may select to have their UNI Port with Access provisioned over an optical transport system. If so, the customer must choose one of the following UNI Port with Access arrangements: <ol style="list-style-type: none"> 1. Protected Non-Diverse – Customer connectivity is provisioned over an optical transport system as a survivable service with an alternate (not diverse) facility between the Customer's location and the TLS-equipped central office. 2. Protected Diverse – Customer connectivity is provisioned over an optical transport system as a survivable service with an alternate and diverse fiber path between the Customer's location and the TLS-equipped central office. Dual entrance at the customer premises and company wire centers is not considered a standard feature of this option, but may be provided as special construction, where facilities are available. 3. Protected Private – Customer connectivity is provisioned over a dedicated private ring which the customer has already obtained from the Telephone Company. At least one node of the private ring must be located in a TLS-equipped central office.
G.	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. <ol style="list-style-type: none"> 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.
H.	Limitations – The Customer's location must be within the maximum allowable range of the TLS-equipped central office.
I.	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.
J.	Technical Specification – The technical specifications for TLS are delineated in IEEE802.3-2000.
K.	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, 1000 Mbps or 10 Gbps access is full duplex.

(X)
 (C)
 (X)

* Effective February 7, 2011, Protected Access Line Service is withdrawn from this tariff, and the Telephone Company will no longer provide this service as of that date. (C)
 (C)

Verizon New England Inc.

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

1.4.3 Regulations	
L.	TLS is available where facilities and conditions permit. Special construction charges may apply.
M.	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.

1.4.4 Optional Features	
A. Customer Service Management (CSM)*	(C) (D) (D)
1.	
2.	
3.	

1.4.5 Application of Rates and Charges	
A.	(C)
1. UNI Port With Access Line Connection	
a. Standard Access Lines (available for EMS Type Only) – 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. Besides the standard connectivity model, Standard Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist.	
<ul style="list-style-type: none"> - Protected Non-Diverse - Protected Diverse - Protected Private 	

* Effective February 7, 2011, the Customer Service Management feature is withdrawn from this Tariff, and the Telephone Company will no longer provide this service as of that date. (C)
 (C)

** Effective February 7, 2011, Protected Access Line Service is withdrawn from this tariff, and The Telephone Company will no longer provide this service as of that date. (C)
 (C)

Verizon New England Inc.

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

1.4.5 Application of Rates and Charges		
A. (Cont'd)		
b. Protected Access Line*	(C) (D)	
c. 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 10 Mbps, 100 Mbps, 1000 Mbps or 10 Gbps 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, ERS-RT, EVPLAN-B and/or EVPLAN-RT EVCs 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.	(D) (N) (N)	
All of the following requirements must be met in order to provision ERS – Premier UNI Port with Access Line Connections:		
The percentage allocated for EVC bandwidth for ERS-B is less than or equal to 500% of UNI Speed; and		
The percentage allocated for EVC bandwidth for ERS-PD is less than or equal to 85% of UNI Speed; and		(C)
The percentage allocated for EVC bandwidth for ERS-RT is less than or equal to 85% of UNI Speed; and		(C)
The percentage allocated for EVC bandwidth for ERS-PD, ERS-RT and EVPLAN-RT is less than or equal to 85% of UNI Speed; and		(N) (C)
The percentage allocated for EVC bandwidth for ERS-B and ERS-PD, ERS-RT and EVPLAN-B is less than or equal to 500% of UNI Speed.		(N)(C)
The Mbps allocated for EVC bandwidth for EVPLAN-B is less than or equal to 5000 Mbps of EVP-LAN CUG.		(N)
The Mbps allocated for EVC bandwidth for EVPLAN-RT is less than or equal to 100 Mbps of EVP-LAN CUG.		(N)
Besides the standard connectivity model, Premier Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist.		
<ul style="list-style-type: none"> - Protected Non-Diverse - Protected Diverse - Protected Private 		

* Effective February 7, 2011, Protected Access Line Service is withdrawn from this tariff, and The Telephone Company will no longer provide this service as of that date. (C)
(C)

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

1.4.5 Application of Rates and Charges

A. (Cont'd)

d. 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 1000 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. Besides the standard connectivity model, EMS – Real Time Access Line is offered with three other types of UNI Port with Access Line Connections, where facilities exist.

- Protected Non-Diverse
- Protected Diverse
- Protected Private

2. 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.

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 or combining EVPLAN-Basic and EVPLAN-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.

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:

10 Mbps	=	2 EVCs
100 Mbps	=	No more than 16 EVCs
1000 Mbps	=	No more than 75 EVCs
10 Gbps	=	No more than 250 EVCs

ERS EVC bandwidth is limited to a maximum Mbps per Service Class per EVC, and must comply with each of the following maximum limits:

EVC Service Class	10 Mbp UNI Max/EVC	100 Mbp UNI Max/EVC	100 Mbp UNI Max/EVC	10 Gbps UNI Max/EVC
ERS-B (or) EVPLAN-B	10 Mbps	100 Mbps	1000 Mbps	1000 Mbps
ERS-PD	5 Mbps	50 Mbps	500 Mbps	500 Mbps
ERS-RT	5 Mbps	50 Mbps	100 Mbps	100 Mbps
EVPLAN-RT	5 Mbps	50 Mbps	50 Mbps	N/A

(N)
(N)

(N)
(N)

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

1.4.5 Application of Rates and Charges	
A. (Cont'd)	
3.	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. Optical protected mileage is the use of optical transport systems in the interoffice network to carry an Ethernet UNI circuit to protect against fiber outages and is available only for the 1000 Mbps Protected Non-Diverse and Protected Diverse UNI speed at the applicable rate provided in Part M, Section 4. The protected transport option for 10/100 Mbps Protected Non-Diverse and Protected Diverse UNI speeds include optical protected interoffice transport when needed.
B.	Minimum Period – The minimum period for TLS under the month-to-month plan is nine months.
C.	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.
D.	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. 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. Customer requests for changes in Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location, per change. Customer requests for changes in EMS Domains and replacement of LAN extension equipment will be charged a nonrecurring charge per location, per change.
E.	Optional Features – Additional rates and charges apply for optional features.
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. (C)

1.4.6 Termination Liability	
A.	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: $25\% \times \text{MRC} \times \# \text{ of Lines} \times \text{Remainder of Term} = \text{Termination Charge}$

* Effective February 7, 2011, the Customer Service Management feature is withdrawn from this tariff, and The Telephone Company will no longer provide this service as of that date. (C)

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

1.4.6 Termination Liability	
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.
B.	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: <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.	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.
D.	Early termination charges will not be assessed under the following circumstances: <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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.

(X)
 |
 (X)

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.

1.4.8 Service Level Agreements (SLA)	
A.	Service Level Agreements (SLA) provide TLS Customers with Service Response Credits (SRC) applied to their Verizon Rhode Island telephone bill if the Telephone Company fails to meet certain operational and network thresholds. SLAs are available at no additional charge or fee to the Customer. A Customer is eligible for an SLA SRC if the Customer adheres to the conditions stated within this tariff. The SLA specifies performance criteria against which actual performance for TLS is compared on a monthly basis.

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

1.4.8 Service Level Agreements (SLA)

B. (Cont'd)

b. Network Availability is the percentage of time during a calendar month that the TLS is available for use by the Customer.

Measurements — The Telephone Company threshold for Network Availability is 99.90%. Network Availability is calculated on a per-TLS Port Connection basis as follows:

- ((24 X Number of Days in Month X Number of TLS Port Connections) - (Number of Hours Out of Service during Month)) / (24 X Number of Days in Month X Number of TLS Port Connections).
- The Telephone Company will not round up the calculation to reach the 99.90% threshold. This SLA is available only for outages reported by the Customer via a trouble ticket to the Telephone Company.

SRCs — If the overall Network Availability measurement is less than the threshold of 99.90% for a calendar month, the Telephone Company will provide a credit equal to ten percent (10%) of the associated monthly charge for any individual TLS port connection that did not meet the threshold during the month.

2. Network Performance SLAs applies to all Customers subscribing to an EVC Class of Service (CoS) within a local network consisting of the following types:

- ERS Real Time EVC bandwidth CoS, and (T)
- ERS Priority Data EVC bandwidth CoS (T)
- All other EVCs do not qualify for Network Performance SLAs including EVP-LAN EVCs (T) (T)

The performance SLA is hierarchical in nature and statistically-based conformance is determined on a Met or Missed basis, first on a per-hour basis and then on a per-month conformance basis.

Per-Hour Conformance — For each hour in the month, a determination is made as to whether the performance objectives are 'Met' for the CoS attributes related to the CoS instance on a given EVC. For a given Hour (e.g., H1), the overall performance objective is 'Met' if the performance objectives for each of the Data Delivery Ratio (DDR), Round Trip Delay (RTD), and Jitter, attributes are 'Met'. If any of the attribute objectives is 'Missed', then the overall performance objective per Hour (H1) is determined to be 'Missed'.

Per-Month Conformance — For the month, a determination is made as to the percentage of hours that the overall performance objective is 'Met'. For a given Month (e.g., M1), the monthly performance guarantee is 'Met' if the % of hours 'Met' for the month meets or exceeds the monthly objective.

EVC Class of Service Network Performance SLA shall be based on the following Ethernet frame traffic criteria:

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

1.4.8 Service Level Agreements (SLA)

2. (Cont'd)

Jitter is the variance in frame delay (in milliseconds) between two service frames as measured at the ingress and egress UNIs. The jitter definition is to restricted service frames that conform to the subscribed CIR profile. The following chart details the Jitter SRCs:

Real Time Bandwidth	EVC	Jitter Measurement	Jitter SRCs
		The Telephone Company threshold for Delay is 5 milliseconds.	If the overall jitter measurement does not meet the per-month conformance, then the Telephone Company shall provide an SRC equal to ten percent (10%) of the monthly charge for any individual EVC that did not meet such threshold during such calendar month.

3. The SLA SRC applies to the following TLS elements:

- UNI Port with Access Line Connection
- Ethernet Virtual Circuit (EVC) Bandwidth, excluding EVP-LAN EVCs

(N)

C. SLA Exclusions — SLAs do not apply to the extent that any of the following reasons prevented the Telephone Company from meeting the SLAs:

1. The acts of the Customer or other party authorized by the Customer to use the TLS circuit/connection, including but not limited to Customer's negligence, the Customer's refusal to grant the Telephone Company reasonable access to the premises for testing/repair, the Customer's refusal to release the TLS circuit/connection for testing and/or repair, the Customer's maintenance activities or rearrangement of the TLS circuit/connection, or if the Customer has exceeded the purchased EVC bandwidth;
2. Subsequent reports (i.e., additional Customer inquiries) while the trouble is pending;
3. Service troubles closed due to the Customer's action;
4. Service troubles repaired by the Telephone Company prior to the receipt of a trouble report;
5. Service trouble caused by the Customer's CPE or facilities on the Customer's side of the demarcation point or any power, equipment, service or systems not provided by the Telephone Company;
6. An Interruption related to the provisioning of a new TLS Access Line or Access Lines in service for less than a month;
7. Scheduled maintenance and downtimes;
8. Unavailability of network monitoring or management equipment or reporting;
9. Any other reason outside the control of the Telephone Company.

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
	Standard Access Line – Protected Private, Per line	1000 Mbps – Month-to-Month – Monthly – Each	2,600.00	
		1000 Mbps – 3-Year Term Plan – Monthly – Each	2,400.00	
		1000 Mbps – 5-Year Term Plan – Monthly – Each	2,000.00	
	Protected Access Line, Per line*			(D)
				(C)
	Premier Access Line, Per line	Month-to-Month option – NRC	1,300.00	(D)
		10 Mbps – Month-to-Month – Monthly – Each	1,025.00	(N)
		10 Mbps – 3-Year Term Plan – Monthly – Each	875.00	
		10 Mbps – 5-Year Term Plan – Monthly – Each	775.00	(N)
		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	
		10 Gbps – Month-to-Month – Monthly – Each	10,500.00	
		10 Gbps – 3-Year Term Plan – Monthly – Each	9,000.00	
		10 Gbps – 5-Year Term Plan – Monthly – Each	8,000.00	
	Premier Access Line – Protected Non-Diverse, Per line	Month-to-Month option – NRC	1,300.00	
		10 Mbps – Month-to-Month – Monthly – Each	1,050.00	
		10 Mbps – 3-Year Term Plan – Monthly – Each	900.00	
		10 Mbps – 5-Year Term Plan – Monthly – Each	750.00	
		100 Mbps – Month-to-Month – Monthly – Each	1,900.00	
		100 Mbps – 3-Year Term Plan – Monthly – Each	1,600.00	
		100 Mbps – 5-Year Term Plan – Monthly – Each	1,450.00	

* Effective February 7, 2011, Protected Access Line Service is withdrawn from this tariff, and The Telephone Company will no longer provide this service as of that date. (C)
 (C)

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	
	Ethernet Virtual Private LAN EVC Basic Bandwidth (EVPLAN-B)	1 Mbps – Per Class - Monthly	16.00	(N)
		2 Mbps – Per Class - Monthly	32.00	
		3 Mbps – Per Class - Monthly	48.00	
		4 Mbps – Per Class - Monthly	64.00	
		5 Mbps – Per Class - Monthly	80.00	
		6 Mbps – Per Class - Monthly	96.00	
		7 Mbps – Per Class - Monthly	112.00	
		8 Mbps – Per Class - Monthly	128.00	
		9 Mbps – Per Class - Monthly	144.00	
		10 Mbps – Per Class - Monthly	160.00	
		20 Mbps – Per Class - Monthly	315.00	
		30 Mbps – Per Class - Monthly	470.00	
		40 Mbps – Per Class - Monthly	625.00	
		50 Mbps – Per Class - Monthly	780.00	
	60 Mbps – Per Class - Monthly	885.00		
	70 Mbps – Per Class - Monthly	990.00	(N)	

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
	Ethernet Virtual Private LAN EVC Basic Bandwidth (EVPLAN-B)	80 Mbps – Per Class - Monthly	1,095.00	(N)
		90 Mbps – Per Class - Monthly	1,200.00	
		100 Mbps – Per Class - Monthly	1,305.00	
		200 Mbps – Per Class - Monthly	1,410.00	
		300 Mbps – Per Class - Monthly	1,515.00	
		400 Mbps – Per Class - Monthly	1,620.00	
		500 Mbps – Per Class - Monthly	1,715.00	
		600 Mbps – Per Class - Monthly	1,810.00	
		700 Mbps – Per Class - Monthly	1,905.00	
		800 Mbps – Per Class - Monthly	2,000.00	
		900 Mbps – Per Class - Monthly	2,095.00	
		1000 Mbps – Per Class - Monthly	2,190.00	
		Ethernet Virtual Private LAN EVC Real Time Bandwidth (EVPLAN-RT)	1 Mbps – Per Class - Monthly	125.00
	2 Mbps – Per Class - Monthly		250.00	
	3 Mbps – Per Class - Monthly		375.00	
	4 Mbps – Per Class - Monthly		500.00	
	5 Mbps – Per Class - Monthly		625.00	
	6 Mbps – Per Class - Monthly		690.00	
	7 Mbps – Per Class - Monthly		755.00	
	8 Mbps – Per Class - Monthly		820.00	
	9 Mbps – Per Class - Monthly		885.00	
	10 Mbps – Per Class - Monthly		950.00	
	20 Mbps – Per Class - Monthly		1,235.00	
	30 Mbps – Per Class - Monthly		1,520.00	
	40 Mbps – Per Class - Monthly		1,805.00	
	50 Mbps – Per Class - Monthly	2,090.00	(N)	
	Interoffice Mileage, Per line	Per Mile – Monthly	100.00	(X)
		Per Optical Protected Mile – 1000 Mbps Protected Non-Diverse and Protected Diverse Only – Monthly	750.00	(X)

Verizon New England Inc.

4. Rates and Charges
4.2 Transparent LAN Service

4.2.1 Transparent LAN Service				
	TLS Domain/LAN Extension Equipment Changes	NRC – Per location, Per Change	400.00	(X)
	Optional Features*			(D)(C)
				(X)(D)

* Effective February 7, 2011, the Customer Service Management feature is withdrawn from this Tariff, and the Telephone Company will no longer provide this service as of that date. (C)
 (C)