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July 1, 2004

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 July 31, 2004, tariff material consisting of:

**RI PUC No. 15**

<b>Part/Section</b>	<b>Revision of Page(s)</b>	<b>Original of Page(s)</b>
D/1	7, 8 and 9,	N/A
M/4	3	N/A

With this filing, Verizon RI proposes to add an additional speed to its Transparent LAN Service (TLS). The additional speed is 1000 Mbps. Verizon is also reducing the price of the 100 Mbps TLS speed.

Verizon certifies that the rates for the TLS speeds of 100 and 1000 Mbps are not less than the Long-run Incremental Cost of providing TLS in speeds of 100 and 1000 Mbps.

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,

Theresa L. O'Brien

## Attachments

**Verizon Rhode Island  
Tariff Filing Support Package**

**Transparent LAN Service (TLS)**

***Introduction of 1000 Mbps***

**July 1, 2004**

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

***Introduction of 1000 Mbps***

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# **Rhode Island – Transparent LAN Service**

## ***Introduction of 1000 Mbps***

### **Section 1**

#### **Service Description**

The purpose of this filing is to introduce a new service speed (1000 Mbps) to the existing Transparent LAN Service (TLS) offering. This filing also reduces the price of the 100 Mbps option.

Transparent LAN Service (TLS) is a high-speed data service which uses a shared fiber network to allow for the interconnection of Local Area Networks (LANs) across selected metropolitan areas. TLS currently delivers interfaces of 10 Mbps and 100 Mbps from the customer's LANs to the shared network. TLS will support 1000 Mbps once deployed. TLS creates a network with the ability to function as a shared public network. TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

### **Section 2**

#### **Rationale for Filing**

The customer applications that are in use today demand higher bandwidth increments. In order to remain competitive and meet our customer's increasing data requirements, Verizon must introduce higher bandwidth services with greater bandwidth throughput.

By deploying the new speed (1000 Mbps) and reducing the price of the existing 100 Mbps service, Verizon Rhode Island will provide competitive data services which will allow Verizon to retain and grow its customer base and generate new revenue.

# Rhode Island – Transparent LAN Service

## *Introduction of 1000 Mbps*

### Section 4

#### Application of Rates

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

<b>TLS Rates</b>		
	<b>Monthly/MRC</b>	<b>NRC</b>
<b><u>Month to Month</u></b>		
<b>100 Mbps</b>	\$2,400.00	\$1,300.00
<b>1000 Mbps</b>	\$4,000.00	\$1,300.00
<b><u>3 Year</u></b>		
<b>100 Mbps</b>	\$2,000.00	N/A
<b>1000 Mbps</b>	\$3,500.00	N/A
<b><u>5 Year</u></b>		
<b>100 Mbps</b>	\$1,800.00	N/A
<b>1000 Mbps</b>	\$3,200.00	N/A

Verizon certifies that the rates for the TLS speeds of 100 and 1000 Mbps are not less than the Long-run Incremental Cost of providing TLS in speeds of 100 and 1000 Mbps.

Verizon New England Inc.

**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:
<b>A.</b>	<b>Domain:</b> A Virtual Local Area Network (VLAN) or a collection of circuits that belongs to one closed user group.
<b>B.</b>	<b>Megabit Per Second (Mbps.):</b> 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.
<b>C.</b>	<b>Nanometers (nm):</b> Wavelength frequency equivalent to 1 billionth of a meter

1.4.2 Service Descriptions	
<b>A.</b>	Transparent LAN Service (TLS) is a high speed data service that uses a shared fiber 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.  TLS protects data privacy by using specialized screening software that permits subscribers to access only their data.

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1.4.3 Regulations	
<b>A.</b>	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 TLS equipment deployed in the Customer's serving wiring center (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.
<b>B.</b>	TLS is available to Customers whose serving central office is equipped with TLS equipment and is located within the maximum allowable range of the serving central office. The maximum dB loss cannot exceed 20dB @ 1310 nm for 10 Mbps service, 26 dB @ 1310 nm for 100 Mbps service, or 22 dB @ 1550 nm for 1000 Mbps service depending on the Customer's distance from the TLS equipped office.
<b>C.</b>	If the Customer's serving central office is not equipped with TLS equipment, the Customer may obtain service from a TLS equipped central office, by purchasing Interoffice Mileage in addition to the TLS access line. The dB loss cannot exceed the maximum allowable range, as specified in (B).

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

<b>1.4.3 Regulations</b>	
<b>D.</b>	<b>Provision of Service:</b> The TLS service will consist of: <ol style="list-style-type: none"> <li>1. Network Interface Device (NID) at the Customer's premises to terminate the fiber pair.</li> <li>2. Dedicated fiber pair from the Customer's premises to the serving central office.</li> <li>3. Network Management including fault monitoring and diagnostics, performance and network configuration applications and manual monitoring when necessary.</li> <li>4. Dedicated Port on the TLS switch.</li> <li>5. Interoffice Mileage, where applicable.</li> </ol>
<b>E.</b>	<b>Availability of Service</b> – TLS will be provided seven days a week, 24 hours a day, from central offices equipped to provide this service.
<b>F.</b>	<b>Connections</b> – 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"> <li>1. The Customer is also responsible for installation, operation and maintenance of any Customer-provided equipment.</li> <li>2. The Telephone Company has the service responsibility up to and including the network interface.</li> </ol>
<b>G.</b>	<b>Limitations</b> – The Customer's location must be within the maximum allowable range of the TLS equipped central office, as defined in (B).
<b>H.</b>	<b>Maintenance Window</b> – To meet the Customers' 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 8 AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on the Customer's service.
<b>I.</b>	<b>Technical Specification</b> – The technical specifications for TLS are delineated in IEEE802.3-2000.
<b>J.</b>	<b>Transmission Mode</b> – 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.
<b>K.</b>	TLS is available where facilities and conditions permit. Special construction charges may apply.
<b>L.</b>	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.

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

<b>1.4.4 Optional Features</b>	
<b>A. Customer Service Management (CSM)</b>	<ol style="list-style-type: none"> <li>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.</li> <li>2. CSM will be provided where conditions and facilities permit.</li> <li>3. The Company reserves the right to temporarily interrupt CSM for maintenance, software upgrades, and in emergency situations.</li> </ol>

<b>1.4.5 Application of Rates and Charges</b>	
<b>A.</b>	<p>The following rate elements are applicable to TLS:</p> <ol style="list-style-type: none"> <li>1. <b>Access Line</b> – 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).                     <ol style="list-style-type: none"> <li>a. The Access Line is offered on a month-to-month basis, or as a three-year or five-year Term Commitment Plan.</li> <li>b. A nonrecurring charge applies to the installation of the TLS Access Line provided on a month-to-month basis.</li> </ol> </li> <li>2. <b>Interoffice Mileage</b> – The Interoffice Mileage charge applies to the distance between the Customer’s serving central office and the nearest TLS equipped central office. 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 Access Line.</li> <li>3. <b>Domain/LAN Extension Equipment Changes</b> – Customer requests for changes in Domains and replacement of LAN extension equipment will be assessed a nonrecurring charge per location per change.</li> </ol>
<b>B.</b>	<b>Minimum Period</b> – The minimum period for TLS under the month-to-month plan is nine months.
<b>C.</b>	<b>Term Payment Plans</b> – The TLS Access Line is 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 1.4.5 following.
<b>D.</b>	<b>Moves and Changes</b> – When the Customer requests a move or relocation of the TLS 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.
<b>E.</b>	<p><b>Optional Features</b> – Additional rates and charges apply for optional features.</p> <ol style="list-style-type: none"> <li>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.</li> </ol>

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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
	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	(N) (N)
		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	(R)
		1000 Mbps – Month-to-Month – Monthly Each line	4,000.00	(N) (N)
		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	(R)
		1000 Mbps – 3-Year Term Plan – Monthly Each line	3,500.00	(N) (N)
		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	(R)
		1000 Mbps – 5-Year Term Plan – Monthly - Each Line	3,200.00	(N) (N)
		Interoffice Mileage - Per line	Per Mile – Monthly	100.00
	TLS Domain/LAN Change	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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