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January 24, 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 February 23, 2006, 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	3.1 and 3.2	N/A
M/4	1.2	N/A

With this filing, Verizon Rhode Island (“Verizon RI”) proposes to enhance its existing Frame Relay Service. Verizon RI’s Frame Relay Service is a data communications service that provides data connectivity between and among widely distributed locations. Data connectivity is provided via Permanent Virtual Circuit (PVC) connections implemented over access facilities utilizing a switch dedicated to high-speed data services.

Verizon RI is now introducing Premier Permanent Virtual Circuit Service (Premiere PVC). Premier PVC is an optional feature that will enable Frame Relay customers to manage their Frame Relay traffic by specifying a service class that will differentiate between delay sensitive traffic and delay tolerant traffic.

Verizon certifies that the rates for Premiere PVC Service are not less than the Long Run Incremental Costs of providing the service.

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**

## *Frame Relay Service*

### **Premier Permanent Virtual Circuits (“PVC”) Service Optional Feature for Frame Relay Service**

Tariff Filing Support Package

January, 2006

# **Premier Permanent Virtual Circuits (“PVC”) Service Optional Feature for Frame Relay Service**

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# **Premier Permanent Virtual Circuits (“PVC”) Service Optional Feature for Frame Relay Service**

## **Section 1**

### **Service Description**

The purpose of this filing is to enhance Verizon Rhode Island’s (“Verizon RI”) current offering of Frame Relay Service (“FRS”) by introducing a Permanent Virtual Circuit (“PVC”) Committed Information Rate (“CIR”) Optional Feature called “Premier PVC Service”. Quality of Service (“QoS”) based Frame Relay Premier Permanent Virtual Circuits (PVCs) will be available with existing Standard and Multi-jurisdictional PVC CIRs for an additional charge. This offering will allow Verizon RI to remain competitive and meet customers’ data requirements.

Premier PVC Service provides the potential to offer Frame Relay service with distinct Quality of Service (“QoS”) classes. There are four Premier PVC service classes: Variable Frame Relay real time (“VFR-rt”), Variable Frame Relay non-real time (“VFR-nrt”), Unspecified Frame Relay (“UFR”), and Control Traffic. VFR-rt, VFR-nrt and UFR are available for customer traffic, while the fourth service class, Control Traffic, is reserved for Network Management traffic. Specific parameters relating to delay, delay variation, frame loss, and throughput are associated with each Premier PVC service class. Premier PVC routes traffic through the network based on the service class. This is significant because PVCs can now be provisioned by specifying a service class that can differentiate between delay sensitive traffic (i.e, voice, video, and Systems Network Architecture (SNA)) and delay tolerant traffic (data).

Further, the development of Verizon’s Internet Protocol-Virtual Private Network (IP-VPN) offering with differentiated classes of service is dependent upon the ability to offer different classes of services with Frame Relay. With the introduction of Premier PVC Service, customers will have the choice of configuring their Frame Relay circuits with a high priority class of service. Additionally, Premier PVC Service will also allow customers to use their existing Frame Relay Service investments to move toward a network-based IP-VPN solution.

## **Section 2**

### **Rationale for Filing**

Over the past few years, market demand has increased for delay-sensitive and loss intolerant applications ranging from Systems Network Architecture traffic to Voice over Frame Relay. With the advent of new applications, customers now require some of their data to traverse a path where delay and delay variation are guaranteed. Increasingly, customers want to use their Frame Relay Service to carry critical data traffic. In order to remain competitive and meet customers' data requirements, Verizon RI introduces these alternative options for different classes of service via the Premier PVC feature for Frame Relay. The Premier PVC Frame Relay feature allows VFR-rt traffic to be routed over the path with the lowest delay and the remaining traffic (VFR-nrt and UFR) to be routed over the path with the lowest administrative cost. This allows the delay, delay variation, and frame loss ratios to be guaranteed for VFR-rt traffic, and it also allows a customer to manage their various data traffic in the most cost efficient manner.

## **Section 3**

### **Application of Rates and Charges**

Premier PVC Service has an additional charge that will be added to the already tariffed Standard, Multi-Jurisdiction, Standard Inter-worked, or Multi-Jurisdiction Inter-worked PVC CIR charges.

Premier PVC Service has a monthly recurring charge of \$10.00. If the service is added to an existing Standard, Multi-Jurisdiction, Standard Inter-worked, or Multi-Jurisdiction Inter-worked PVC at the time of the initial installation, there will be no additional non-recurring charges. However, if added after the initial installation, the Administration Charge will be applicable as stated in the existing Frame Relay Service section of the tariff. (PUC RI No. 15, Part M, Section 4.1.3)

Verizon certifies that the rates for Premier PVC Service are not less than the Long-run Incremental Cost of providing Premier PVC Service.

**1. Advanced Data Services**  
**1.3 Frame Relay**

<b>1.3.2 Service Components</b>	
<b>B.</b>	<p><b>Port Only Connections</b> – UNIs and NNIs are also provisioned as a Port Only Connection. UNI Port Only Connection provides a Frame Relay Network connection based on the port connection speeds of 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, 768 Kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps, and 44.736 Mbps. NNI Port Only Connection provides a Frame Relay Network connection based on the port connection speeds of 384 Kbps, 1.536 Mbps and 44.736 Mbps. The Frame Relay port speed will be consistent with the channel speed of the access channel. Each port can accommodate multiple PVCs. UNI Port Only and NNI Port Only Connections are available on a month-to-month, one-year, three-year and five-year term.</p> <p>1. Customers may access Port Only Connections via Telephone Company-provided digital access facilities. The associated regulations, rates and charges under the appropriate Telephone Company Tariff shall apply in addition to the regulations, rates and charges associated with FRS.</p>
<b>C.</b>	<p><b>Permanent Virtual Circuit (PVC) Committed Information Rate (CIR)</b> — provides a mechanism to prioritize applications on a per-PVC basis over a Frame Relay UNI. This feature allows all users to maintain the capability to transfer data within their CIR on a non-sequential, high-priority basis without potential packet data discard due to network congestion.</p> <p>1. The following types of PVC CIR are available:</p> <p>a. Standard - A Standard PVC is a logical channel path between intrastate Frame Relay ports or an intrastate Frame Relay port and an intrastate ATM port.</p> <p>b. Multi-jurisdictional – A Multi-jurisdictional PVC is a logical channel path between two Frame Relay ports, one being an interstate port and the other an intrastate port or between a Frame Relay port and an ATM port, one being an interstate port and the other an intrastate port. A Multi-jurisdictional PVC falls under federal jurisdiction and the PVC CIR rates, rules and regulations from the Verizon Telephone Companies FCC Tariff No. 20 are applicable.</p> <p>2. The maximum CIR allowed is determined by the lower of the two port speeds connected by the PVC. The maximum CIR allowed for port speeds at 1.536 Mbps and below is 75% of the lower of the two port speeds. For port speeds above 1.536 Mbps to 44.7136 Mbps, the maximum CIR allowed is 50% of the lower of the two port speeds.</p> <p>3. Frame Relay to ATM Service Interworking provides for the conversion of Frame Relay packets to ATM cells and the conversion of ATM cells to Frame Relay Packets. Frame Relay to ATM Service Interworking is available with Standard and Multi-jurisdictional PVC CIR at no additional charge.</p> <p>4. Premier PVC Service – Premier PVC Service enables a customer to differentiate PVCs and assign a higher priority of service to specific PVCs. This service is available where facilities permit. Premier PVC Service is intended for PVCs carrying delay-sensitive, loss-intolerant data and is available with all PVC CIR. When Premier PVC Service is ordered, a monthly recurring charge applies for each application of Premier PVC Service and is in addition to the applicable charges for Standard or Multi-jurisdictional PVCs.</p>

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 (N)

Effective: February 23, 2006

Vice President Regulatory-RI

Verizon New England Inc.

**1. Advanced Data Services**  
**1.3 Frame Relay**

<b>1.3.2</b>	<b>Service Components (Cont'd)</b>
<b>D.</b>	<p><b>Optional Features and Functions</b> — These provide the Customer with additional capabilities for interaction with the FRS packet network.</p>
1.	<p>Additional Logical Channels allow 56 Kbps, 384 Kbps and 1.536 Mbps Customers to simultaneously operate multiple channels on a single port. The maximum additional logical channels available for 56 Kbps or 384 Kbps UNI Port With Access Line is 199 and the maximum additional logical channels available for 1.536 Mbps UNI Port With Access Line is 991. Each additional logical channel must be associated with a specific network address.</p>
a.	<p>Effective September 17, 2003, the Logical Channels optional feature is no longer available to new customers. Moves, additions, or changes are not permitted.</p>
2.	<p>Backup UNI service is a disaster avoidance and disaster recovery feature that consists of a Primary UNI and a Backup UNI, and incorporates PVC remapping capabilities of the Frame Relay network. The Primary UNI is terminated at the primary Customer host location and in normal operation serves PVCs between the primary host location and various Customer remote locations. A second UNI, which is designated by the Customer as a Backup UNI, is installed and terminated at the customer's Backup host location. During normal operations no PVCs are mapped to the Backup UNI. The Customer will be required to purchase both UNIs. In the event of a Primary UNI, primary digital access line or, Customer primary host location failure, the predefined PVC configuration can be remapped to the Backup UNI at the Customer's request. Upon restoral of the Primary UNI service the Customer must contact the Company to initiate remapping of PVCs from the Backup UNI back to the Primary UNI. A Backup UNI, which may serve as a Backup to one or more Primary UNIs, can only Backup one Primary UNI at a time. A Backup UNI must be the same port speed or greater than the Primary UNI(s).</p>
a.	<p>A Customer ordering Backup UNI service is responsible for the following:</p>
1.	<p>Determining network configuration before and after the activation of Backup UNI service.</p>
2.	<p>Providing the Company with the appropriate information required for joint development of the Backup UNI database.</p>

(X)  
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 (X)

**Issued: January 24, 2006**  
**Effective: February 23, 2006**

**Theresa L. O'Brien**  
**Vice President Regulatory-RI**

Verizon New England Inc.

**4. Rates and Charges**  
**4.1 Advanced Data Services**

4.1.2 Frame Relay - Service Period Plan				
ID	Service Category	Rate Element	Rate	USOC
	Standard PVC Committed Information Rates Optional Feature	CIR, Per PVC - 6 Mbps	150.00	
		CIR, Per PVC - 7 Mbps	175.00	
		CIR, Per PVC - 8 Mbps	200.00	
		CIR, Per PVC - 9 Mbps	225.00	
		CIR, Per PVC - 10 Mbps	250.00	
		CIR, Per PVC - 11 Mbps	275.00	
		CIR, Per PVC - 12 Mbps	300.00	
		CIR, Per PVC - 13 Mbps	325.00	
		CIR, Per PVC - 14 Mbps	350.00	
		CIR, Per PVC - 15 Mbps	375.00	
		CIR, Per PVC - 16 Mbps	400.00	
		CIR, Per PVC - 17 Mbps	425.00	
		CIR, Per PVC - 18 Mbps	450.00	
		CIR, Per PVC - 19 Mbps	475.00	
		CIR, Per PVC - 20 Mbps	500.00	
		CIR, Per PVC - 21 Mbps	525.00	
		CIR, Per PVC - 22 Mbps	550.00	
	Premier PVC Service	Per PVC (In addition to PVC CIR charges) – Monthly	10.00	(N) (N)
	UNI Port With Access Line	56 Kbps – Vintage 1 <sup>1</sup> - One Year – Monthly - Each	130.25	
		56 Kbps – Vintage 2 - One Year – Monthly - Each	136.25	
		56 Kbps – Vintage 1 <sup>1</sup> - Three Years – Monthly – Each	113.50	
		56 Kbps – Vintage 2 - Three Years – Monthly – Each	119.50	
		56 Kbps – Vintage 1 <sup>1</sup> - Five Years – Monthly – Each	103.00	
		56 Kbps – Vintage 2 – Five Years – Monthly – Each	109.00	
		56 Kbps – Seven Year <sup>2</sup> – Monthly – Each	97.85	

Note 1: Effective September 17, 2003, this service is no longer available to new customers. Moves, additions, or changes are not permitted.

Note 2: Effective June 20, 2003, the 7-Year VTPPs for 56 Kbps, 384 Kbps and 1.536 Mbps UNI Port With Access Line Connections are no longer available to new customers.

Effective: February 23, 2006

Vice President Regulatory-RI