

COMMUNICATIONS SERVICES TARIFF

CHECK SHEET

All pages inclusive of this Tariff are effective as of the date shown at the bottom of the respective pages. Original and revised pages, as named below, and Supplement No. 1 comprise all changes from the original Tariff and are currently in effect as of the date on the bottom of this page.

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COMMUNICATIONS SERVICES TARIFF

SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.1 Frame Relay Service (Continued)

5.1.2 Service Components (Continued)

D. Committed Information Rate (Continued)

For customers of record prior to July 29, 2004, each UNI Port with Access Line Connection, UNI Port Only Connection, Enterprise UNI Port Only Connection and NNI Port Only Connection allows for one logical channel, one network address and transport across the packet network. Additional logical channels are optional features which are described in (E) following. Effective July 29, 2004, logical channels and additional logical channels are no longer available to new customers. Customers of record may retain existing Logical Channels as specified in (C) 5.1.2(E)(2). New customers must purchase Committed (C) Information Rate (CIR) in lieu of Logical Channels.

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COMMUNICATIONS SERVICES TARIFF

SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.1 Frame Relay Service (Continued)

5.1.2 Service Components (Continued)

E. Optional Features and Functions

Optional features and functions provide Customer with additional capabilities for use with the FRS packet network. Nonrecurring charges do not apply when optional features are ordered in conjunction with the initial installation of the associated FRS UNI Port Only or UNI Port with Access Line Connection. When ordered subsequent to the initial installation of the associated FRS UNI Port Only or UNI Port with Access Line Connection, nonrecurring charges apply as set forth in Section 5.1.5 following.

1. Additional PVCs Per UNI

This feature provides the assignment of additional DLCIs. When any two DLCIs are mapped together, a PVC is created. Additional PVCs Per UNI are subject to the availability of facilities.

2. Additional Logical Channel

Additional Logical Channels are no longer available to new customers. For customers of record prior to July 29 2004, a logical channel allows Customer to simultaneously operate multiple channels on a single access or port. In addition to the logical channel included with each access or port connection, additional logical channels may be ordered. Each Additional Logical Channel must be associated with a specific network address and includes connection to another logical channel on an access or port connection in order to form a PVC. When FRS is used to access IP-VPN Service, a logical channel on an access or port connection forms a PVC with an i-VC instead of an additional logical channel. Logical channel Customers placing orders for moves or changes to existing UNI access facilities, or placing orders for new UNI access facilities, will be required to purchase CIR for the PVC between ports. However, customers who renew a term pricing plan, commit to a new term, or have a term pricing plan that expires may retain the logical channels and are not required to purchase CIR for the PVC between ports.

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.1 Frame Relay Service (Continued)

5.1.2 Service Components (Continued)

E. Optional Features and Functions

3. Committed Information Rate (CIR) Optional Feature

(M)

CIR is no longer available to new customers as an optional feature. Effective July 29, 2004, CIR is a chargeable basic component of Frame Relay Service as specified in 5.1.2(D) preceding.

For customers of record prior to July 29, 2004, CIR is a feature that provides Customer with a mechanism for prioritizing data on a per PVC basis across a given UNI. A CIR allows a sustained throughput at a chosen rate without having any frames designated "discard eligible" under normal operating conditions. Various CIR rates are available.

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.1 Frame Relay Service (Continued)

5.1.2 Service Components (Continued)

E. Optional Features and Functions (Continued)

(M)

4. Back-up UNI

Back-up 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 services 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 is required to purchase both UNIs.

A Customer ordering Backup UNI service is responsible for the following:

- Determining network configuration before and after activation of Backup UNI service.
- Providing the Company with the appropriate information required for joint development of the Backup UNI database.
- Maintaining its own port configurations and router tables (for seamless changes from the Primary UNI to the Backup UNI, the customer must use the same addressing scheme on routers connected to the primary and backup sites)

A Backup UNI, which may serve as a backup to one or more Primary UNIs, can be utilized to back up only one Primary UNI at a time. A Backup UNI must be the same or greater port speed than the Primary UNI(s).

In the event of failure of a Primary UNI, digital access line or host location, the Customer must contact the Company to request that the Primary UNI be remapped to the Backup UNI in order to activate the Backup UNI service.

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.1 Frame Relay Service (Continued)

5.1.2 Service Components (Continued)

E. Optional Features and Functions (Continued)

4. Back-up UNI (Continued)

Upon restoral of the Primary UNI service, the Customer must contact the Company to request that the Backup UNI be remapped back to the Primary UNI. (M)

A nonrecurring charge applies, per Backup UNI, per occurrence, when a customer requests an activation of the Backup UNI service.

There is no charge for deactivation of Backup UNI service.

5. Northern Corridor Option

The Northern Corridor Option provides UNI subscribers (UNI Port With Access Line Connection and UNI Port Only Connection) in New York City the ability to connect a PVC at a specified CIR (up to 2 Mbps) to locations in the New York-New Jersey Corridor as defined in Section 1 preceding. The option is available on a Month-to-Month basis or may be included in the one-year, three-year or five-year term plan of the underlying UNI. (M)

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART I (Continued)

5.8 Exchange Access Frame Relay Service (Continued)

5.8.1 General (Continued)

A. User Network Interface (UNI) Connections (Cont'd)

3. Additional UNI Port With Access Line Connections and UNI Port Only Connections may be ordered under Section 5.8.1D following for disaster recovery of one or multiple UNI Port With Access Line Connections and UNI Port Only Connections and are referred to as Backup UNIs.

B. Network-to-Network Interface (NNI) Port Connection

The NNI, specifies how an XA-FRS switch sends and receives data from a Frame Relay interexchange carrier's or other Customer's network.

The NNI Port Connection provides connection of a digital transmission facility, including 1.536 Mbps/DS1 and 44.736 Mbps/DS3, to Company's XA-FRS Network.

NNI Port Only Connections include interoffice mileage from a Customer's serving wire center to a Frame Relay Switch. Rates and charges for applicable Channel Terminations are also as specified in The Verizon Telephone Companies Tariff F.C.C. No. 1. (T)

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART II (Continued)

5.10 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) (Cont'd)5.10.2 Service Components (Cont'd)

A. User Network Interface (UNI) Port With Access Line Connection (Cont'd)

The OC3c and OC12c UNI Port With Access Line Connections are provisioned on either Protected or Protected Diverse Synchronous Optical Network (SONET) facilities or Direct Fiber Facilities. SONET is a standards-based fiber optic communication network that transports both asynchronous and synchronous digital signals using the Synchronous Transport Signal (STS) format. ATM OC3c and OC12c Protected SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate (not diverse) facility between the central office and the Customer premises. ATM OC3c and OC12c Protected Diverse SONET UNI Port With Access Line Connections are provisioned over SONET as a survivable service with an alternate and diverse path between the ATM CRS hub and the Customer premises.

Direct Fiber UNI Port With Access Line Connection is a type of OC3c or OC12c ATM UNI that is provisioned with no alternate facility between the ATM CRS hub and the Customer premises. Effective October 23, 2004 Direct Fiber UNI Port With Access Line Connections are no longer available to new customers. Existing customers may continue their service until their Extended Service Plan expires or until their service is disconnected, whichever occurs first. All of the options available under Section 5.10.12(C) continue to apply.

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DS3, OC3c, OC12c and other interfaces, both electrical and optical, are supported and defined to the technical specifications set forth in 5.10.3.

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SECTION 5 - DESCRIPTION OF DATA SERVICES AND RATES (Continued)

PART II (Continued)

5.10 Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) (Cont'd)5.10.2 Service Components (Cont'd)C. Interim Inter-Switch Signaling Protocol (IISP) Port
With Access Line Connection

IISP Port With Access Line Connection, which is similar to the Full UNI described in 5.10.2.A preceding, allows network-to-network connectivity through the use of PVCs and/SVCs. The IISP interface specifies how a Company ATM CRS switch sends and receives data from an Interexchange Carrier's or other Customer's ATM CRS network. The IISP connection consists of a 1.544 Mbps (DS1), a 45 Mbps (DS3) 155.52 Mbps (OC3c), or a 622 Mbps (OC12c) digital facility from the Interexchange Carrier's network to the Company's ATM CRS switch and the appropriate port interface connection. The monthly rates for the IISP Port With Access Line Connection interfaces apply only to the Tier 1 mileage band (0 to 5 miles).

The IISP Port With Access Line Connection, like the UNI Port With Access Line Connection, includes Protected and Protected Diverse SONET OC3c and OC12c connections and Direct Fiber OC3c and OC12c connections. ATM Protected OC3c and OC12c SONET IISP connections are provisioned as a survivable service with an alternate (not diverse) facility. ATM Protected Diverse OC3c and OC12c IISP interfaces are provisioned over SONET as a survivable service with an alternate diverse path between the local serving office and the Customer premises.

Direct Fiber is a type of OC3c and OC12c ATM IISP that is provisioned using an optical fiber interface with no alternate facility. Effective October 23, 2004, Direct Fiber IISPs are no longer available to new customers. Existing customers may continue their service until their Extended Service Plan expires or until their service is disconnected, whichever occurs first. All of the options available under Section 5.10.12(C) continue to apply. (C)
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DS1, DS3, OC3c, OC12c, both electrical and optical, are supported and defined to the technical specifications set forth in 5.10.3.

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