CHECK SHEET

The pages listed below are effective as of the date shown at the bottom of the respective pages. Original and revised pages, as named below, 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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SECTION 4 - APPLICATION OF RATES AND CHARGES (Continued)

4.2 Description of Services (Continued)

4.2.32 One Wide Area Network (WAN) Service

THIS SERVICE IS NO LONGER AVAILABLE TO NEW CUSTOMERS. EXISTING (C) CUSTOMERS WILL BE GRANDFATHERED UNTIL TERMINATED BY EITHER CARRIER OR CUSTOMER, FOLLOWING EXPIRATON OF ANY SERVICE TERM. DURING GRANDFATHERING, CUSTOMERS MAY NOT MAKE ANY MOVES, ADDS, CHANGES, OR RENEWALS UNLESS THEIR AGREEMENT EXPRESSLY PERMITS IT. FOR CUSTOMERS ON MONTH-TO-MONTH TERMS, CARRIER MAY TERMINATE THE SERVICE WITH SIX MONTHS WRITTEN NOTICE. CUSTOMER MAY TERMINATE AT (C) ANY TIME.

4.2.32.1 Description of Service

Carrier's One Wide Area Network (One WAN) Service is a high-speed service that provides Customers a single platform to integrate their voice, video and data communications needs. It combines the statistical multiplexing efficiencies of packet switching with the low delay characteristics of circuit switching technologies.

Carrier's service is a connection-oriented, cell-based service that provides virtual connections between Customer's site and one or more locations. Each connection may be a Permanent Virtual Channel Connection (PVCC) or a Permanent Virtual Path Connection (PVPC). Each supported virtual connection is a point-to-point connection. Physical access to One WAN Service is provided in speeds from DS-1 to OC-48c.

One WAN Service is available to Customers in the U.S. and its territories where Carrier has the necessary intrastate facilities in place.

One WAN Service is offered subject to availability of necessary intrastate facilities and services and is provided only through designated Points of Presence (POPs).

There are three major network elements required to provision this service

A. Access

A digital private line connecting Customer location to Carrier network is required in this service offering. This service can be provisioned over DS-1, NxDS-1 where N=2-8 using Inverse Multiplexing Over ATM (IMA), DS-3, OC-3c, OC-12c and OC-48c digital private line connections. If NxDS-1 access is required, IMA equipment will be required for each NxDS-1 access location. The access line speed must match the User to Network Interface UNI port speed. Each access line can accommodate multiple virtual circuits or paths. Access is offered in the following arrangements.

SECTION 4 - APPLICATION OF RATES AND CHARGES (Continued)

4.2 **Description of Services (Continued)** 4.2.37 Frame Relay IV Service

THIS SERVICE IS NO LONGER AVAILABLE TO NEW CUSTOMERS. EXISTING (C) CUSTOMERS WILL BE GRANDFATHERED UNTIL TERMINATED BY EITHER CARRIER OR CUSTOMER, FOLLOWING EXPIRATON OF ANY SERVICE TERM. DURING GRANDFATHERING, CUSTOMERS MAY NOT MAKE ANY MOVES, ADDS, CHANGES, OR RENEWALS UNLESS THEIR AGREEMENT EXPRESSLY PERMITS IT. FOR CUSTOMERS ON MONTH-TO-MONTH TERMS, CARRIER MAY TERMINATE THE SERVICE WITH SIX MONTHS WRITTEN NOTICE. CUSTOMER MAY TERMINATE AT ANY TIME.

(C)

A. **General Description**

Frame Relay IV Service is a high-performance, cost effective data offering for connectivity of multiple Local Area Networks (LANs) or Systems Network Architecture (SNA) locations. Frame Relay IV Service uses shared facilities and statistical multiplexing to transport data communications. Frame Relay IV Service delivers bandwidth-on-demand internetworking connections, providing port speeds to DS-3 with PVCs up to 22 Mbps. The service is ideal for intensive, bursty data transmission applications.

Dedicated access facilities provide access to the Frame Relay network through ports. Connectivity to the Frame Relay network is provided through Permanent Virtual Circuits (PVCs) that provide logical software connections for communications between ports on the network. Multiple PVCs can be defined on any given port providing a single access line the capability to transmit data to multiple destinations.

Frame Relay IV Service is offered to domestic locations where facilities are available, where operating conditions permit and where technically feasible. The service is available for use 24 hours a day, seven days a week. Service applications for locations exceeding 500 miles from existing domestic carrier facilities shall be addressed and priced on an Individual Case Basis (ICB).

B. Rate Elements

The complete service is provided through six service elements:

- Local Access Facility
- National Frame Relay UNI Port
- National Frame Relay NNI NNI PVC (NNI refers to a Network-to-Network Interface)
- National Frame Relay NNI UNI PVC (UNI refers to a User-to-Network Interface)
- National Frame Relay UNI UNI PVC
- National Frame Relay NNI Port
- 1. Local Access Facility

Customers may access the Frame Relay network through 56 Kbps (DS-0), 1.536 Mbps (DS-1), or 44.736 Mbps (DS-3) digital facilities.

(C)

SECTION 5 - RATES AND CHARGES (Continued)

5.33 **One WAN Service - Rate Elements**

THIS SERVICE IS NO LONGER AVAILABLE TO NEW CUSTOMERS. EXISTING CUSTOMERS (C) WILL BE GRANDFATHERED UNTIL TERMINATED BY EITHER CARRIER OR CUSTOMER, FOLLOWING EXPIRATON OF ANY SERVICE TERM. DURING GRANDFATHERING, CUSTOMERS MAY NOT MAKE ANY MOVES, ADDS, CHANGES, OR RENEWALS UNLESS THEIR AGREEMENT EXPRESSLY PERMITS IT. FOR CUSTOMERS ON MONTH-TO-MONTH TERMS, CARRIER MAY TERMINATE THE SERVICE WITH SIX MONTHS WRITTEN NOTICE. CUSTOMER MAY TERMINATE AT ANY TIME.

One WAN Service includes the following rate elements. The pricing elements for Options 1 and 2 outlined in this Tariff are mutually exclusive. Customer must price their entire network via Option 1, Option 2 or a combination of Options 3 and 4.

Α. Option 1

1. Access

For UNI Ports, Carrier will set up access arrangements on behalf of Customer for the One WAN Service purchased. Any charges associated with the provisioning of the access circuits, including but not limited to, local access charges, coordination charges, access service order charges, or any other charge associated with gaining access from Customer premise to the POP will be considered "Access Charges". This includes any (NRC) incurred in association with obtaining access regardless of contract term. Any special construction or non-standard charges assessed by the company supplying the local access will also be the responsibility of Customer. Any such access charge as described above will be billed directly to Customer.

2. **UNI Port**

UNI Port charges are subject to the speed of the port selected. A NRC and a MRC, based on the speed of the port connection, apply per port for each access circuit connection to the network supporting this service. Each port can accommodate multiple PVCs.

Rate Element	<u>NRC</u>	MRC
	(\$/port)	(\$/port)
DS-3	\$ 3,000	\$ 5,000
OC-3c	4,000 (R)	14,000
OC-12c	5,000 (R)	42,000
OC-48c	10,000	80,000

NRCs are waived for contract terms of one year or more.

3. **Permanent Virtual Connections**

The PVCC and PVPC monthly charges are subject to the class of service parameters and the transmission speed selected. The transmission speed selected for CBR, VBR-rt and UBR is defined by PCR. The transmission speed selected for VBR-nrt is SCR.

Effective: February 15, 2013 Issued: January 15, 2013

SECTION 5 - RATES AND CHARGES (Continued)

5.38 Frame Relay IV Service

THIS SERVICE IS NO LONGER AVAILABLE TO NEW CUSTOMERS. EXISTING CUSTOMERS WILL BE GRANDFATHERED UNTIL TERMINATED BY EITHER CARRIER OR CUSTOMER, FOLLOWING EXPIRATON OF ANY SERVICE TERM. DURING GRANDFATHERING, CUSTOMERS MAY NOT MAKE ANY MOVES, ADDS, CHANGES, OR RENEWALS UNLESS THEIR AGREEMENT EXPRESSLY PERMITS IT. FOR CUSTOMERS ON MONTH-TO-MONTH TERMS, CARRIER MAY TERMINATE THE SERVICE WITH SIX MONTHS WRITTEN NOTICE. CUSTOMER MAY TERMINATE AT ANY TIME.

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Unless otherwise noted, the following rates and charges will remain in effect for the full term of Customer's contract.

A. Local Access Facilities

Carrier will establish access arrangements on behalf of Customer when Full Service Frame Relay IV Service is purchased.

Under the terms of the Full Service Agreement, Carrier will order access facilities. Coordination of installation, maintenance, repair, test and turn-up will be coordinated by Carrier with the company(ies) supplying the access services. Customer will be billed for the access at Carrier's costs. Any special construction or non-standard charges assessed by the company supplying the local access, or by the underlying provider connecting to the access provider, will also be the responsibility of Customer.

- 1. Local Access Coordination Charges
 - Access Coordination Charges are applied on a per-access line basis.
 - Access Coordination Charges are waived for contract terms greater than one year.

Nonrecurring Local Access Coordination Charges

DS-0	\$ 25
DS-1	50
DS-3	100

- B. Low Speed Frame Relay Rate Schedules (DS-1 speed and below)
 - 1. Low Speed National UNI Port

Charges include a Monthly Recurring Charge (MRC) based on the speed of the port connection (i.e., 56 Kbps to 1.536 Mbps). Charges apply per UNI port for each frame relay access facility to the network supporting Frame Relay IV Service. Each port can accommodate multiple PVCs. A port added to the network after initial installation will be considered a new element and the total network MRC will be adjusted incrementally for that port. This interface transports data traffic to and from Customer's facilities to Carrier's network for transport to, for example, other Customer facility locations.

SECTION 6 - CONTRACT SERVICE ARRANGEMENTS, SPECIAL PROMOTIONS (Continued)

6.2 Special Promotions (Continued)

Frame Relay Term Commitment Discount

Frame Relay Term Commitment Discount is hereby cancelled and withdrawn.

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