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15. Packet Switching Network Service

15.1 General

This section contains the rules and regulations pertaining to the provision of Packet Switching Network Service.

15.2 Service Description

Packet Switching Network Service uses packet switching technology to provide a switched data transport service. This service uses analog and digital facilities to provide usage-sensitive data transport for a variety of interactive (or bursty) data applications between two or more customer designated premises (CDPs). The packet switch will be classified as a CDP. (T)

Packet switching technology divides data streams into packets. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. This service is based on CCITT (Consultative Committee on International Telegraphy and Telephony) X.25 protocol and X.75 internetworking protocol. The X.25 and X.75 protocols are international standards developed by the CCITT that provide the foundation for Public Packet Switched Networks. Packet Switching Network Service and features are available where facilities and conditions permit.

15.3 Service Provisioning

Customers may access the Packet Switching Network through an X.75 internetworking access.

Packet switching carriers with a Data Network Identification Code may interconnect to an access port on the Packet Switching Network with X.75 protocol at transmission speeds of 9.6 Kbps or 56 Kbps. Each X.75 access will require an X.75 Access Port charge, a DDS Special Access Line charge (9.6 Kbps or 56 Kbps), associated DDS Special Transport charges, and Special Access Ordering charges set forth in Section 7.

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15. Packet Switching Network Service (Cont'd)15.3 Service Provisioning (Cont'd)

The Special Access Line and Special Transport charges provide analog or digital connections from the packet carrier's location to the access port on the Telephone Company's packet network. Shared use (ratcheting) to provision the access connection is not permitted.

The packet switching carrier must provide the Telephone Company with a Percent Interstate Usage (PIU) in the Main Remarks section of the ASR when service is initially ordered. This PIU will be used as the basis for prorating charges to the interstate and intrastate jurisdictions. The packet switching carrier may submit an updated PIU report in writing at any time following one full month's billing. The updated report will become effective on the first day of the next monthly billing period which begins at least 15 business days after the date the revised report is received by the Telephone Company.

Where the packet switching carrier's location is another telephone company's territory, the special access service connecting that location to the Telephone Company's packet network will be subject to the meet point billing requirements set forth in Section 2. All usage recorded at the Telephone Company's packet switch will be billed to the packet switching carrier by the Telephone Company.

15.4 Rate Regulations15.4.1 Minimum Period

The minimum service period is one month.

15.4.2. Rate Application

- (A) Usage will be rounded up to the nearest minute at the end of the billing period.

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15. Packet Switching Network Service (Cont'd)

15.4 Rate Regulations (Cont'd)

15.4.2. Rate Application (Cont'd)

- (B) Fractional segments per transmission will be rounded up to the next segment.
- (C) The minimum billable unit for Kilosegments is one Kilosegment. Segments will be accumulated during the billing period and fractional Kilosegments will be billed as whole Kilosegments.
- (D) All usage will be billed at the rate schedule in effect when usage concurred. All usage will be treated as current for determination of volume discount application.
- (E) All call attempts and completions will be billable except where calls are blocked or terminated because of network failure or congestion.
- (F) Rates for usage of the packet network will apply in addition to the monthly recurring charges for X.75 access. Rates applicable for X.75 access include a monthly recurring rate and an installation charge per X.75 access port, and are specified under 15.6. A DDS Special Access Line charge (9.6 Kbps or 56 Kbps), associated with DDS Special Transport and Special Access Ordering charges from Section 7 will also apply.
- (G) The night/holiday rate will apply to the following holidays:

New Year's Day	Independence Day	Thanksgiving Day
President's Day	Labor Day	Christmas Day
Memorial Day	Veteran's Day	

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15. Packet Switching Network Service (Cont'd)

15.4 Rate Regulations (Cont'd)

15.4.3 Usage Plans

The customer must select either the Basic Plan, Transaction Plan, or the High Volume Plan.

(A) Basic Plan

Basic Plan rates include both a per minute of use charge and a charge per kilosegment transmitted.

Usage will be rated at the day rate (8:00 a.m. to 5:00 p.m.) for that portion of the call in effect during the day rate period and at the night/holiday rate (after 5:00 p.m. and before 8:00 a.m. and all day on holidays) for that portion of the call in effect during the night/holiday period. When a call begins in one rate period and ends in another, the rate in effect for each rate period applies to the portion of the message occurring within that rate period. Refer to 15.6.2(A) for rates.

(B) Transaction Plan

Usage rates for the Transaction Plan are charged per transaction. A maximum of 15 seconds is allowed for each billable transaction. Usage over 15 seconds will be charged an overtime rate in 15 second increments at the rate specified in 15.6.2(B).

(C) High Volume Plan

High Volume rates include a per minute of use charge and a charge per kilosegment transmitted.

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15. Packet Switching Network Service (Cont'd)15.4 Rate Regulations (Cont'd)15.4.3 Usage Plans (Cont'd)(C) High Volume Plan (Cont'd)

Per minute of use charges will be rated at the day rate (8:00 a.m. to 5:00 p.m.) for that portion of the call in effect during the day rate period and at the night/holiday rate (after 5:00 p.m. and before 8:00 a.m. and all day on holidays) for that portion of the call in effect during the night/holiday period. When a call begins in one rate period and ends in another, the rate in effect for each rate period applies to the portion of the message occurring within that rate period.

In addition, incremental usage charges will apply based on the tapered schedule shown below. Day/night/holiday rates do not apply to the incremental usage charges.

Kilosegment  
0001 - 2000  
2001 - 4000  
4001 - 6000  
6001 and over

Example:

For a total of 5000 Kilosegments, the incremental usage rates would be applied as follows:

- 2000 Kilosegments billed at the rate specified per Kilosegment for 0001 - 2000 Kilosegments
- 2000 Kilosegments billed at the rate specified per Kilosegment for 2001 - 4000 Kilosegments
- 1000 Kilosegments billed at the rate specified per Kilosegment for 4001 - 6000 Kilosegments

Refer to 15.6.2(C) for rates.

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15. Packet Switching Network Service (Cont'd)15.5 Supplemental Features

- 15.5.1 Fast Select allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets. This feature is available to all customers and is initiated on a call-by-call basis.
- 15.5.2 Priority allows a customer to establish a "priority" status to the customer's data as it processes through the network. This feature is available to all customers and is initiated on a call-by-call basis.

15.6 Rates and Charges15.6.1 X.75 Access, Per Port (USOC)

Tennessee	Not applicable.
W Virginia	Not applicable.

15.6.2 Usage Rates(A) Basic Plan (USOC) (HRBKX)

Tennessee	Not applicable.
W Virginia	Not applicable.

(B) Transaction Plan (USOC) (TAN)

Tennessee	Not applicable.
W Virginia	Not applicable.

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15. Packet Switching Network Service (Cont'd)

15.6 Rates and Charges (Cont'd)

15.6.2 Usage Rates (Cont'd)

(C) High Volume Plan (USOC) (HRBK1)

Tennessee	Not applicable.
W Virginia	Not applicable.

15.6.3 Supplemental Features ((USOC)

Tennessee	Not applicable.
W Virginia	Not applicable.