

Section 19 - Packet Switched Data Network Service (PSDN)<sup>(1)</sup>

19.1 General

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Packet Switched Data Network Service (PSDN) utilizes packet switching technology and digital transmission facilities to provide economical common user switched data transport for bursty traffic of X.25 and X.75 protocols, (as defined by the Consultative Committee for International Telephone and Telegraph-CCITT).

With packet switching technology, data streams are packetized and then moved through the network to their destinations. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. In this way, greater volumes can be transported through shared network transmission facilities and individual data packets can be sent on alternate routes as the need arises, resulting in better system performance and higher network availability. The reduction in network facilities results in a more economical form of data transport for interactive applications.

19.1.1 PSDN Access Arrangements

Customers connect directly to a Telephone Company provided Packet Switched port connection at a X.25 or X.75 protocol via dedicated Special Access Digital Data facilities, as described in Section 7.15, at speeds of either 9.6 or 56 Kbps.

Non-tariff rates apply when data exchanged between equipment using the asynchronous protocol and equipment using the X.25 or X.75 protocol takes place.

Shared Network Arrangements are not permitted with PSDN Service.

19.1.2 Terms and Conditions

The regulations, rates and charges specified herein are specific to the Packet Switched Data Network (PSDN) Service and are in addition to regulations contained in General Regulations Section 2 and Special Access Section 7.

(1) As of October 6, 2004, PSDN service utilizing the X.25 protocol and the X.75 protocol is obsolete and is limited to existing installations, at existing locations, for existing customers.

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19.1.2 Terms and Conditions (Cont'd)

A. Credit Allowances

In cases of an interruption not due to the negligence of the customer, allowance for the period of interruption shall be as follows:

(1) Usage

A credit allowance does not apply for usage (kilosegments).

(2) Optional Features

If the service experiencing an interruption includes associated optional features being billed monthly recurring rates, credit for the associated features will be billed at the rate of 1/30th of the applicable monthly rates for each period of 24 hours or major fraction thereof that the interruption continues.

(3) Monthly Flat Rated Services

No credit shall be allowed for an interruption of less than 30 minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for each period of 30 minutes, or major fraction thereof, that the interruption continues.

(4) Service Guarantees

Service Installation Guarantees, as set forth in Section 2.11.6 and Service Maintenance Guarantees, as set forth in Section 2.12.2.F, apply to the Special Access Digital Data Service.

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19.1.3 Customer Obligations

When ordering PSDN service offered under this tariff the customer must provide the following information.

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- (1) The number and location of port connections desired, including estimated usage for each port connection.
- (2) The initial set of software features and functions for each port connection.
- (3) The transmission speed for each port connection and digital data channel.

19.1.4 Special Facilities Routing

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may select. special Facilities Routing requirements requested by the customer will be on an individual case basis, as specified in Section 11.

19.1.5 Rate Elements

The following rate elements apply to PSDN:

A. Digital Data Channels

Digital channels are suitable for duplex transmission of synchronous digital signals of transmission speeds of 9.6 or 56 kilobits per second (Kbps) and are used to connect customer premises directly to a port of the designated packet switch at either a X.25 or X.75 protocol. Rate elements for Digital Data Channels are defined in section 7.15.

A Channel Service Unit (CSU) will be provided by the customer as specified in Section 7.15.2.

B. Port Connection

Connections are made directly to the Telephone Company packet switch by means of a dedicated port connection. Port connections operate at transmission speeds of 9.6 Kbps of 56 Kbps in support of X.25 or X.75 digital interfaces.

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19.1.5 Rate Elements (Cont'd)

C. Network Usage

Usage (or traffic) is measured in the number of kilosegments transported within a packet through the Telephone Company provided Packet Switched Data Network. For billing purposes, the monthly usage is based on kilosegments and such charges are billed to the customer responsible for the connection over which the kilosegments are transported.

Customers are neither charged for segments generated internally by the network for the acknowledgment of information packets, nor are customers charged for any segments which are retransmitted by a network packet switch upon detection of a transmission error.

19.1.6 Optional Software Features

A. Call Redirection

Call Redirection is a feature permitting a virtual call to be established to a pre-specified alternate address if a destination address is not available.

B. Multiple Port Hunt Group

Multiple Port Hunt Group allows the customer with two or more port connections on the same packet switch to have all of those port connections arranged as a hunt group.

C. Software Parameter Change Charge

Software Parameter Change Charge feature is a nonrecurring charge applied when the customer orders any change of software parameter after service has been established. One charge applied per port connection for each order, regardless of the number of software parameter changes requested by the customer for that port connection.

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19.1.7 Descriptions of Rates and Charges

There are two types of rates and charges which apply to PSDN Service. They are monthly recurring rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth below.

A. Monthly Rates

Monthly Rates are either (1) fixed recurring rates that apply each month, or fraction thereof, when a specific service is provided; or (2) Usage sensitive rates that apply on a per unit basis, e.g., kilosegment, when a specific service is used.

B. Nonrecurring Charges

A nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation of a service or rearrangement of an existing service).

(1) Installation

The nonrecurring charges for the installation of each service are set forth in Sections 7.15 and 19.1.8.

(2) Service Rearrangement

Changes from one existing service to another is considered a service rearrangement and will be treated as the discontinuance of the existing service and the installation of a new service. The nonrecurring charges described in 1. preceding will apply for this work.

(3) Moves

Moves that change the physical location of the point of termination are described in Section 2.11.5E.

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19.1.8 Application of Rates and Charges

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A. Digital Data Channels

Rates and charges for 9.6 Kbps and 56 Kbps Digital Data Channels are found in Section 7.15.

B. Port Connection

<u>Transmission Speed</u>	<u>Protocol Interface</u>	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
9.6 Kbps	X.25	LDD96	\$195.00	\$473.23
9.6 Kbps	X.75	LDD97	\$195.00	\$473.23
56 Kbps	X.25	LDD56	\$600.00	\$473.23
56 Kbps	X.75	LDD57	\$600.00	\$473.23

C. Network Usage Charge

(1) Peak Hour Usage Rates apply to kilosegments transported between the hours of 7:00 AM to 6:00 PM Monday through Friday and excluding the holidays specified in Off-Peak Hour Rate in (2) following.

<u>Usage Level/ Peak Hour Rate</u>	<u>Rate Per Kilosegment</u>
First 1 - 500	\$0.35
Next 501 - 2300	\$0.32
Next 2301 - 4200	\$0.28
Next 4201 - 6100	\$0.25
Next 6101 + Over	\$0.20

(2) The Off-Peak Hour Usage Rate applies to the total number of kilosegments transported other than from 7:00 AM to 6:00 PM, Monday through Friday. The Off-Peak Hour Usage Rate also will apply to the 24 hour period during holidays of New Year's Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

<u>Usage Level/ Peak Hour Rate</u>	<u>Rate Per Kilosegment</u>
First 01 - 6100	\$0.15
Next 6101 + Over	\$0.08

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19.1.8 Application of Rates and Charges (Cont'd)

D. Extended Term Service Plan

Extended Term Service Plans provide the option for customers to subscribe to a selected level of usage volume at a guaranteed rate. This rate is based upon the peak hour rates shown in section 19.2.8 C (1) of this tariff. Four plans, which apply to peak usage only, are available under the following terms and conditions:

- (1) If the customer does not generate the committed level of usage during a given month, they will be billed for the committed usage level. Usage generated above that level will be billed at the applicable plan rate.
- (2) A customer may change their usage commitment level at any time to be effective at the beginning of the next billing period.
- (3) The following rates apply to each payment plan:

<u>Plan</u>	<u>USOC</u>	<u>Minimum Usage Billed</u>	<u>Minimum Monthly Rate Level</u>	<u>Payment</u>
1	UPP04	501 KS	\$0.32	\$ 160.00
2	UPP05	2,301 KS	0.28	645.00
3	UPP06	4,201 KS	0.25	1,050.00
4	UPP07	6,101 KS	0.20	1,220.00

E. Optional Software Features

	<u>USOC</u>	<u>Rate</u>	<u>Charge</u>
(1) Call Redirection, Per Redirect	LRD	N/A	\$60.00
(2) Multiple Port Hunt Group Per Group	LDM	N/A	\$60.00
(3) Software Parameter Change Charge Per Occurrence	X25	N/A	\$60.00

\* A Nonrecurring charge does not apply when a feature is included on the initial Port Connection service installation service order. A Software Change charge will apply to subsequent changes except that no charge will apply to a discontinuance of the feature.

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