

TC Systems, Inc.
P.S.C. No. 6 -- Telephone
Local Exchange Services
Effective Date: December 16, 2011

Section 15
Leaf No. 1
Revision: 0

SECTION 15 – DIGITAL LINK PRIME PRI SERVICE

15.1 Digital Link Prime PRI Service

(Digital Link Prime PRI Service is only available to current Digital Link Prime PRI customers as of April 23, 1999.)

15.1.1 Description

Digital Link Prime PRI service is an optional service arrangement for local exchange access based on the Primary Rate Interface (PRI) arrangement of the Integrated Services Digital Network (ISDN). Digital Link Prime PRI is a high capacity access path for communications providing voice or 64K data transmission over the Company's exchange network.

15.1.2 Explanation of Terms

- 1) Circuit Switching - A switching technique in which an entire circuit or, in a digital switch equipped for ISDN, a specific selection of time slots is dedicated to a given call.
- 2) Digital Link Prime Primary Rate Interface (PRI) - Digital Link Prime PRI is an alternative for individual for local exchange access loop services such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD), and business dial tone lines. It can also be used as loop transport for circuit switched data applications. Digital Link Prime PRI is provisioned on the 1.544 megabits per second (Mbps) bandwidth and uses ISDN architecture of 23 B or bearer channels and 1 D or data channel or 24 B channels to provide the Customer with the capabilities of simultaneous access, transmission, and switching of voice, data, and imaging services via channelized transport. In addition, Digital Link Prime PRI provides the Customer with the service capabilities and features described herein.
- 3) Integrated Services Digital Network - Integrated Services Digital Network (ISDN) describes the end-to-end digital telecommunications network architecture that provides for the simultaneous access, transmission, and switching of voice, data, and imaging services. These functions are provided via channelized transport facilities over a limited number of standard user-network interfaces. The ISDN architecture consists of digital switching systems that connect Primary Rate Interfaces lines to their serving central office.
- 4) Network Interfaces - ISDN Primary Rate Interface is comprised of a limited set of standard user-network interfaces. The PRI Customer Premises Equipment (CPE) located at the customer premises must be compatible with the network interface, which is a metallic four-wire telephone loop interface between a switch equipped with ISDN and the Network Termination (NT2). The NT2 is customer premises equipment required for providing physical compatibility in terminating telephone facilities at the customer premises.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.2 Explanation of Terms (Cont'd)

- 5) PRI Line Group - A PRI Line Group is a group of channels which are designated as one of the following:

- Incoming Business Dial Tone Line Group
- Outgoing Business Dial Tone Line Group
- Two-Way Business Dial Tone Line Group
- Call-by-Call Service Selection Line Group

Only one Call-by-Call line group may be provisioned on a Digital Link Prime PRI Arrangement. Where available, up to two of the other line group types may be provisioned on a Digital Link Prime PRI Arrangement. The total number of line groups per PRI Arrangement is limited to three. The capability to assign other than Call-by-Call line groups varies by central offices switch type.

- 6) Primary Rate Access Facility - Primary Rate Access Facility provides a high capacity access path at a transmission speed of 1.544 megabits per second (Mbps) for communications between the Customer's premises and the serving central office. Each Primary Rate Access Facility supports one Digital Link Prime PRI arrangement.
- 7) Primary Rate Interface Arrangement - Digital Link Prime PRI Arrangement is a service providing ISDN capabilities between the customer premises and the serving central office. The PRI Arrangement consists of 23 "B" channels and one "D" channel or 24 "B" channels, which are defined as follows:

B Channel - The B Channel is a 64 kilobits per second (Kbps) channel used for information transfer between users at 56Kbps/64Kbps. The B channel may be used in conjunction with circuit-switched services (e.g., voice and/or data).

D Channel - The D Channel is a 64 kilobits per second (Kbps) channel that carries signaling and control for the B channels.

- 8) Software Defined Lines - Software Defined Lines are lines which are provisioned on the Primary Rate Access Facility by establishing their identity in central office/PBX/centrex translations. These lines physically ride on the 4-wire ISDN Primary Rate Access Facility.
- 9) Simulated Facility Group - A Simulated Facility Group is a software-defined register used to limit the number of simultaneous calls with specific attributes.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.3 Customer Premise Equipment (CPE)

The CPE used by the customers subscribing to Digital Link Prime PRI must comply with ISDN Primary Rate Interface specifications as designated by the Telephone Company or BellCore.

15.1.4 Service Capabilities

- 1) Transport Customer information in the form of circuit-switched voice or data up to 64 Kbps over any B channel.
- 2) Allow, where available, one D channel to control up to 20 PRI Arrangements. In such cases, a single D channel in one PRI Arrangement handles all the signaling and control requirements of multiple PRI Arrangements to consist of 24 B channels.
- 3) Allow B channels to be allocated for specific services, such as Direct Inward Dialing (DID) and Direct Outward Dialing (DOD), or configure channels to access multiple services on a Call-by-Call basis. All of the preceding services may be accessed on a Call-by-Call Service Selection basis.
- 4) Allow the user to have access to the directory number of the calling party where the number is provided to the Company by the LEC or IXC.
- 5) Customers may originate or terminate local, intraLATA toll and long distance calls. The Customer will be billed tariffed rates by the Company or the IXC carrier for such usage. For rates and service description of the Company's Local Calling Service that is available for Digital Link Prime PRI service, see Section 14. For rates and service description of the Company's IntraLATA Toll Service that is available for Digital Link Prime PRI service, see Section 14.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.5 Conditions

This service is offered subject to the following conditions:

- 1) Digital Link Prime PRI is only available from serving central offices equipped with the necessary facilities to provide PRI service. Feature availability and service capabilities are dependent on the facilities and digital technology providing the service.
- 2) ISDN-compatible terminal equipment is required for operation. It is the Customer's responsibility to power and obtain such equipment.
- 3) Digital Link Prime PRI service does not preclude customers from originating or receiving circuit-switched voice calls from inside or outside either their serving central office or their Local Exchange Area. Where facilities are available, Customers will be able to originate and receive circuit-switched data calls outside their serving central office.
- 4) This tariff does not provide for the transmission of packet data on the B or D channels. Packet data is not offered on the B or D channels.
- 5) Existing local usage or MTS rates apply to circuit-switched voice and data calls. Circuit-switched data calls will be billed on a local usage-sensitive basis as specified in this tariff. Toll charges will apply when the circuit-switched data calls are made outside the Customer's Local Calling Area.
- 6) All PRI Arrangement configurations must have at least one 23B+D PRI Arrangement for signaling and control functions. A 23B+Backup D PRI Arrangement is required whenever more than 47 B channels are controlled by a single D channel.
- 7) When more than one Company service is accessed over the same Digital Link Prime PRI Arrangement, Call-by-Call Service Selection may be required.
- 8) Each line group is equipped with one telephone number. Additional numbers may be ordered in blocks of 10 or 100 numbers as described herein.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.5 Conditions (Cont'd)

- 9) At the Company's discretion, the Company may reconfigure the Customer's service from Digital Link Prime PRI to Digital Link Prime High Volume Inbound Calling Option if the Customer's Digital Link Prime PRI usage meets one or more of the following criteria: (1) equals or exceeds 90% utilization for inbound calling, (2) equals or exceeds an average call duration of 10 minutes per call, (3) equals or exceeds CCS loading of 32 CCS, and (4) equals or exceeds 300,000 minutes of use per PRI. The Customer will be charged rates for Digital Link Prime High Volume Inbound Calling Option as shown in the Price List. The Company reserves the right to audit the Customer's Digital Link Prime PRI usage for the above conditions.

15.1.6 Features

The following features are available with Digital Link Prime PRI Service, and the descriptions of the features are found in Section 6.1 of this tariff:

- Backup D Channel
- Call-by-Call Service Selection (CBC)
- Calling Party Number (CPN)
- Multiple Facility Signaling Control

15.1.7 Application of Rates

- 1) Business dial tone line functionality is included in the Digital Link Prime PRI Service rates and charges.
- 2) When DID numbers are ordered from the preceding, a DID line connection service charge applies for each B channel dedicated to DID service, or DID-simulated facility group member over which DID numbers are transmitted.
- 3) When a Customer converts existing DS1 facilities provided under PrimeXpress Service to Primary Rate Access Facilities, installation charges for the Primary Rate Access Facility are waived.
- 4) Hunting Service is included in Digital Link Prime PRI rates.
- 5) Local Calling Service is available with Digital Link Prime PRI service. See Section 14.1(F) for rates and service description for Local Calling Service.
- 6) IntraLATA Toll Service is available with Digital Link Prime PRI service. See Section 14.1(F) for rates and service description for IntraLATA Toll Service.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.8 Payment Options

A Digital Link Prime PRI is provided on a month-to-month basis or on a one-, two- or three-year term commitment. All PRI services and features at a given premises must be subscribed to the same payment option.

15.1.9 Additions to Service

During the contract period, the customer may add PRI services at the same monthly rate as specified in the initial contract. The contract period for these additional services will end coterminous with the initial contract, but in no case will the remaining term be less than one year for all facilities under this contract.

15.1.10 Renewal Options

Prior to the expiration of the existing contract period, a customer may extend the contract for another period without incurring termination liability charges. The new contract period must be for a period of time which is equal to or greater than the length of the original contract. The number of PRI arrangements must be equal to or greater than the number of arrangements contained in the original contract. The contract period effective date will be the date the customer signs the new contract.

15.1.11 Term Discounts

Customers who commit to 1, 2, or 3 year term commitments are eligible to receive the discounts shown in the Price List, on the monthly recurring charges, local usage charges, and intraLATA toll usage charges associated with their Digital Link Prime PRI service. Discounts are calculated based on the term commitment and total revenue in a billing period from qualifying usage and charges. Discounts are applied to the total amount of qualifying revenue in a billing period.

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15.1 Digital Link Prime PRI Service (Cont'd)

15.1.12 Rates

1) Non-Recurring Installation Charges

PRI Arrangement (w/CPN/CBC):	<u>Minimum</u>	<u>Maximum</u>
--Initial 23B+D	\$750.00	\$3,000.00
--Each additional 23B+D and 24B w/o backup D	\$750.00	\$3,000.00
--23B+backup D	\$750.00	\$3,500.00

2) Monthly Recurring Charges

PRI Arrangement (w/CPN/CBC):		
--Initial 23B+D	\$770.00	\$3,000.00
--Each additional 23B+D and 24B w/o backup D	\$770.00	\$3,000.00
--23B+backup D	\$800.00	\$3,200.00

3) Change Order Charge

Change Order Charge:	<u>Minimum</u>	<u>Maximum</u>
	\$30.00	\$130.00

4) Volume Discount

	Term Commitment					
	1 Yr.		2 Yr.		3 Yr.	
	Min	Max	Min	Max	Min	Max
\$0 - \$50.00	0%	50%	0%	50%	0%	50%
\$50.01 - \$5,000	0%	50%	0%	50%	0%	50%
\$5,000.01 - \$10,000.00	0%	50%	0%	50%	0%	50%
\$10,000.01 - \$25,000.00	0%	50%	0%	50%	0%	50%
\$25,000.01+	0%	50%	0%	50%	0%	50%