

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

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PRI SERVICEA. GENERAL

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

B. REGULATIONS

1. Explanation of Terms

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.

Primary Rate Interface (PRI)

PRI is an alternative for individual local exchange access loop services such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD), Wide Area Telecommunications Service (WATS), Toll Free Service and business dial tone lines. PRI is provisioned on the 1.544 megabit per second (mbps) bandwidth and uses the Integrated Services Digital Network (ISDN) architecture of 23 B channels and one D 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, PRI provides the customer with the service capabilities and features described in Sections B.3. and B.5. following.

Integrated Services Digital Network

Integrated Services Digital Network (ISDN) describes the end-to-end digital telecommunications network architecture which 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 which connect Primary Rate Interface lines to their serving central office.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

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. This network interface is defined as follows:

Physically, the network interface is a metallic four-wire telephone loop interface between a switch equipped with ISDN and the network termination 2 (NT2). The NT2 is customer premises equipment required for providing physical compatibility in terminating telephone facilities at the customer premises.

Optional Service Features Package

The Optional Service Feature Package incorporates the optional features Calling Line Identification and Call-by-Call Service Selection.

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
- WATS Line Group
- 800 Line Group
- Call-by-Call Service Selection Line Group

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

PRI Line Group (Cont'd)

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

Primary Rate Access Facility

The 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 his/her serving central office. Each Primary Rate Access Facility supports one PRI Arrangement.

Primary Rate Interface Arrangement

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 kilobit per second (kbps) channel used for information transfer between users. The B channel may be used in conjunction with circuit-switched service.

D Channel

The D channel is a 64 kilobit per second (kbps) channel that carries signaling and control for the B channels. (C)

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Software Defined Lines

Software defined lines are lines which are provisioned on the Primary Rate Access Facility by establishing their identity in central office translations. These lines physically ride on the 4-wire ISDN Primary Rate Access Facility.

Simulated Facility Group

A Simulated Facility Group is a software defined register used to limit the number of simultaneous calls with specific attributes.

2. The CPE used by customers subscribing to PRI must comply with ISDN Primary Rate Interface specifications as designated by the Telephone Company.

3. Service Capabilities

PRI provides the capability to:

a. Transport customer information in the form of circuit-switched voice or data up to 64 kbps over any B channel.

b. 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 in a specific grouping, allowing supplemental PRI Arrangements to consist of 24 B channels.

c. Allow B channels to be allocated for specific services, such as Direct Inward Dialing (DID), Direct Outward Dialing (DOD), Wide Area Telecommunications Service (WATS) and Toll Free Service, or optionally configure channels to access multiple services on a per-call basis.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)PRI SERVICE (Cont'd)B. REGULATIONS (Cont'd)

3. Service Capabilities (Cont'd)

- d. Allow the user to have access to the directory number of the calling party. Provision of per-call and line blocking capabilities is a function of the customer premises equipment and is the responsibility of the customer.

4. Conditions

This service is offered subject to the following conditions:

- a. 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.
- b. ISDN-compatible terminal equipment is required for operation. It is the customer's responsibility to power and obtain such equipment.
- c. 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 of their serving central office.
- d. This tariff does not provide for the transmission of packet data on the B or D channels. Rates and charges for packet data on the B channels may be provided on an Individual Case Basis and will be sufficient to cover the appropriate incremental costs as determined by the Telephone Company. Packet data is not offered on the D channel.
- e. Existing local usage or MTS rates apply to circuit-switched voice calls. Usage rates are applicable for each software-defined DOD, DID or business dial tone line provisioned on PRI.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

4. Conditions (Cont'd)

- f. Circuit-switched data calls will be billed on a local usage-sensitive basis as specified in this tariff. Toll charges will apply when circuit-switched data calls are made outside of the customer's Local Calling Area.
- g. 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.
- h. When more than one service is accessed over the same PRI Arrangement, Call-by-Call Service Selection may be required.
- i. When, at the customer's request, this service is furnished from other than the normal serving central office, charges for foreign central office and/or foreign exchange service will apply as specified in this tariff.

5. Features

The following optional features are available with PRI:

- a. Back-up D Channel — Automatically takes over for a failed D channel in case of trouble. This is purchased as part of 23B + Backup D PRI Arrangement.
- b. Call-by-Call Service Selection — Provides an option to the Dedicated B Channel Configuration allowing B channels to be configured to access multiple services on a per-call basis. With this optional feature, separate facilities are not needed for individual services such as DID, DOD, WATs, Toll Free service and business dial tone lines. The customer premises equipment signals the local serving central office as to what type of service to access for each call.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

5. Features (Cont'd)

- c. Calling Line Identification — Allows the user to have access to the directory number of the calling party. Provision of per-call and line blocking capabilities is a function of the customer premises equipment and is the responsibility of the customer.

C. RATE REGULATIONS

1. Application of Rates

- a. Business dial tone line functionality is included in the PRI Service rates and charges.
- b. Existing tariff rates, charges and regulations for DID service apply, where required. This includes DID numbers and line connection charges. Tariffed DID line connection charges apply for each DID line provisioned on the PRI Arrangement.
- c. Customers accessing WATS or Toll Free Service via PRI are also subject to the rates and charges shown in those tariffs.
- d. Circuit-Switched Data Usage Allowances

Circuit-Switched Data service is offered on an optional monthly allowance basis. For minutes of use or fractions thereof over the monthly allowance specified for Circuit-Switched Data Usage Allowances, charges apply as specified following.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

C. RATE REGULATIONS (Cont'd)

2. 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.

3. Changes in Future Contract Rates

If the monthly rates on a contract are lowered, the subscriber may be allowed to cancel their existing contract without penalty, providing they sign-up for a new contract of equal or greater monetary value. The subscriber will be subject to all terms, conditions and prices of the new contract.

4. Renewal Options

Prior to the expiration of the existing contract period, a customer may extend the contract for another contract period without incurring termination liability charges. The new contract will indicate the designated rates then in effect. 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.

5. Relocation

When a customer elects to relocate his PRI service to a different premises not served by the same central office, prior to the expiration of a contract period, the service is considered to be disconnected, and the termination liability applies. However, if the customer relocates to a location served by the Telephone Company and establishes a PRI contractual payment plan of equal or greater monetary value, the customer may relocate without incurring any termination liability. Installation charges for establishing the new service would apply.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

D. RATES AND CHARGES

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	
1. Primary Rate Access Facility, each			
month to month	\$700.00	\$150.00	
3 Yr. Contract	\$700.00	\$137.50 †	
5 Yr. Contract	\$700.00	\$125.00 ‡	
2. PRI Arrangement, each			
23B+D			
month to month	\$700.00	\$350.00	
3 Yr. Contract	\$700.00	\$320.85 †	
5 Yr. Contract	\$700.00	\$291.65 ‡	
24B			
month to month	\$700.00	\$350.00	
3 Yr. Contract	\$700.00	\$320.85 †	
5 Yr. Contract	\$700.00	\$291.65 ‡	
23B + Back-up D			
month to month	\$700.00	\$400.00	
3 Yr. Contract	\$700.00	\$366.65 †	
5 Yr. Contract	\$700.00	\$333.35 ‡	(C)

† 3 Yr. contract includes 1 free month/year in the monthly rate.
‡ 5 Yr. contract includes 2 free months/year in the monthly rate.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

D. RATES AND CHARGES (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>
3. Circuit-Switched Data Usage Allowances, Per Account		
Monthly Rate and Usage Allowances		
<u>Package</u>	<u>Monthly Allowance</u>	
Option 1	None	— †
Option 2	250 hours	\$600.00 †
Option 3	500 hours	\$900.00 †
Option 4	1,000 hours	\$1,200.00 ‡
4. Optional Service Feature Package (Calling Line Identification and Call-by-Call Service Selection), Per PRI Arrangement		
month to month	\$100.00	\$150.00
3 Yr. Contract	\$100.00	\$137.50 ¶
5 Yr. Contract	\$100.00	\$125.00 §
5. Calling Line Identification, Per PRI Arrangement		
month to month	\$100.00	\$100.00
3 Yr. Contract	\$100.00	\$ 91.65 ¶
5 Yr. Contract	\$100.00	\$ 83.35 §

† Each minute or fraction thereof which exceeds the Usage Allowance specified in Options 1, 2 and 3 will be billed at \$0.05 per minute.

‡ Each minute or fraction thereof which exceeds Usage Allowance Option 4 will be billed at \$0.02 per minute.

¶ 3 Yr. contract includes 1 free month/year in the monthly rate.

§ 5 Yr. contract includes 2 free months/year in the monthly rate.

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INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

D. RATES AND CHARGES (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>
6. Call-by-Call Service Selection, Per PRI Arrangement		
month to month	\$100.00	\$75.00
3 Yr. Contract	\$100.00	\$68.75 †
5 Yr. Contract	\$100.00	\$62.50 ‡
7. PRI Reconfiguration Charges		
Change Charge		
add/change to existing line group, or addition of new line group, per occasion	\$ 50.00	—
Change in D-channel configuration (23B+D, 24D, 23B+BU-D), Per PRI Arrangement	\$300.00	—
8. Individual Additional Telephone Numbers, each	\$ 25.00	\$ 3.00
9. Termination Liability		
Customer's termination liability for cancellation of service shall be equal to:		
a. all unpaid Non-Recurring charges reasonably expended by Company to establish service to Customer, plus;		
b. any disconnection, early cancellation or termination charges reasonably incurred and paid to third parties by Company on behalf of Customer, plus;		

† 3 Yr. contract includes 1 free month/year in the monthly rate.
‡ 5 Yr. contract includes 2 free months/year in the monthly rate.

(C)

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd) (C)

PRI SERVICE (Cont'd)

D. RATES AND CHARGES (Cont'd)

9. Termination Liability (Cont'd)

c. all Recurring Charges specified in the applicable Service Order for the balance of the then current term discounted at the prime rate announced in the Wall Street Journal on the third business day following the date of cancellation;

d. (OR) a 3-year contract termination may be upgraded to a 5-year contract at the new monthly rate.

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RESERVED FOR FUTURE USE

(C) Indicates Change

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