

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. (C)

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. (C)

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

INDIVIDUAL LINE BUSINESS BRI SERVICE

A. GENERAL

Individual Line Business BRI is an optional service arrangement for use with Individual Line Business Exchange Service. BRI uses the Basic Rate Interface (BRI) arrangement of the Integrated Services Digital Network (ISDN). The regulations, rates and charges contained herein are in addition to the applicable Individual Line Business Exchange Service arrangements specified in the Telephone Company's Intrastate Local General Tariff.

B. REGULATIONS

1. Explanation of Terms

Basic Rate Interface (BRI) Arrangement

BRI Arrangement provides ISDN capabilities from an ISDN-equipped switch in the central office. The BRI Arrangement consists of up to two "B" channels and one "D" channel (2B+D) which are defined as:

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 16 kilobit per second packet-switched channel that carries signaling and control for the B channels.

Circuit Switching

Circuit Switching is 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.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Electronic Key Feature Package

The Electronic Key Feature Package offers for one installation charge and one monthly rate all of the Electronic Key Features described in 5. following.

Featured Voice BRI Access

Featured Voice BRI Access uses only one B channel of the ISDN architecture for providing voice access and includes the Electronic Key Features in 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 Basic Rate Interface lines to their serving central office.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Basic Rate Interface (BRI)

BRI is an optional service arrangement which can be used in conjunction with a customer's Individual Line Business Exchange Service. It uses the ISDN architecture to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport. In addition, BRI provides the customer with the availability of the service capabilities and features described in 3., 5. and 6. following.

Multiple Access BRI

Multiple Access BRI utilizes both B channels of the ISDN architecture for either voice or circuit-switched data. Multiple Access BRI is also required when only one B channel is utilized for circuit-switched data or alternate voice/data. Voice service purchased on Multiple Access BRI does not include the Electronic Key Features. These features must be purchased separately.

Network Interface

ISDN Basic Rate Interface is comprised of a limited set of standard user-network interfaces. The BRI customer premises equipment (CPE) located at the customer premises must be compatible with the Telephone Company-designated network interface. This interface is defined as follows:

A two-wire interface is the physical interface between a switch equipped with ISDN and the network termination (NT1). The NT1 is customer premises equipment which is necessary for terminating a telephone facility at the customer premises.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Secondary Directory Number

An ISDN Secondary Directory Number (SDN) is a software-defined number that is assigned to a station with an actual telephone number and provides the user with the capability to originate and receive calls over the SDN. SDN calls utilize the same facilities as the primary directory number. Originating calls assume the characteristics of the station that the SDN is assigned to.

2. Customers subscribing to Individual Line Business BRI must comply with ISDN Basic Rate Interface specifications established by the Telephone Company.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

3. Service Capabilities

Customers may configure Individual Line Business BRI using the following service capabilities:

- a. Featured voice on the B channel(s).
- b. Circuit-switched data on the B channel(s) at speeds up to 64 kbps.
- c. Alternating circuit-switched voice and circuit-switched data on the same B channel.

4. Conditions

This service is offered subject to the following conditions:

- a. Circuit-switched voice usage charges generated by an Individual Business Exchange Service Line equipped with BRI will be charged in accordance with the Local Usage Package the customer subscribes to as specified in the appropriate Telephone Company Exchange Service Tariff.
- b. 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.
- c. ISDN-compatible terminal equipment is a requirement for operation. It is the customer's responsibility to power and obtain such equipment.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)B. REGULATIONS (Cont'd)

4. Conditions (Cont'd)

- d. ISDN charges are in addition to applicable rates and charges associated with Individual Line Business Exchange Service.
- e. This service is available from central offices which have the necessary facilities to provide ISDN service on the standard ISDN network platform.

However, the customer' service location must be within the distance limitations determined during installation of the service in the sole judgment and discretion of the Telephone Company. When a customer requests ISDN service and requires the installation of additional facilities due to exceeding the distance limitations as determined by the Telephone Company and where, in the judgment of the Telephone Company, it is practical to provide such facilities, the customer will be charged rates and charges based on the cost of providing the necessary additional facilities, in addition to the rates and charges specified in C. following. These charges for any additional facilities required will be computed on an Individual Case Basis.

- f. Electronic Key Feature availability is dependent on the facilities providing the service. No credit is given on the package rate for features where facilities and appropriate digital technology are not available.
- g. Electronic Key Features may be selected individually or as feature packages on a per-service basis. With the exception of Multiple Call Appearances and Shared Call Appearances for a Directory Number, rates and charges for Individual Line Business BRI service provide for single appearances of Electronic Key Features on the same channel. If the customer desires multiple appearances of the same electronic key feature, other than Multiple Call Appearance or Shared Call Appearances for a Directory Number, on the same channel, rates and charges as specified elsewhere in this tariff will apply for all appearances other than the first appearance.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

4. Conditions (Cont'd)

- h. Individual Line Business BRI service does not preclude the Individual Line Business Exchange Service customer from originating or receiving circuit-switched voice calls from inside or outside either his/her serving central office or his/her Local Calling Area. Where facilities are available, the customer will be able to originate and receive circuit-switched data and packet-switched data calls outside of his/her serving central office.
- i. Calls identified as circuit-switched data will be billed at Circuit-Switched Data Usage rates even if the customer's equipment establishes the call as circuit-switched voice service and then transmits 56 kbps or 64 kbps circuit-switched data.

This tariff does not provide for the transmission of packet data on the B or D channels.

5. Electronic Key Features

Electronic Key Features provide the customer with the ability to access the following features where available:

a. Automatic Exclusion

Automatically inhibits other stations from picking up a call on hold or bridging onto a call that is active at that station. This feature must be used in conjunction with Shared Call Appearances for a Directory Number.

b. Call Pickup — Originating and Terminating

Allows a station user to answer any call within an associated predetermined pickup group. If more than one line within the pickup group has an unanswered incoming call, the call to be answered is selected by the switching system.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

5. Electronic Key Features (Cont'd)

c. Drop

Allows the user to drop the last party added to a conference call. For a two-party call, this will terminate the call. This feature must be used in conjunction with three-way calling. Three-way calling charges will apply as specified in the Telephone Company's appropriate tariff.

d. Feature Function Button

Allows the user to assign certain features to a particular button on his/her ISDN set. When depressed, the button will activate the assigned feature.

e. Hold

Allows the user to place a call on hold.

f. Individual Calling Line Identification

Allows the user to have access to the directory number of the calling party. Per-call and line blocking capabilities will be available as described in this tariff.

g. Key System Coverage for Analog Lines

Allows an ISDN set to provide call coverage for an analog set.

h. Multiple Call Appearances of a Directory Number

Allows the user to have more than one appearance or his/her directory number assigned to his/her set, providing the capability of multiple incoming or outgoing calls associated with that directory number. Multiple incoming calls to this directory number can be terminated to the telephone if idle call appearances are available to accept the calls.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

5. Electronic Key Features (Cont'd)

i. Outgoing Called Line Identification for ISDN Sets

Provides a user originating a call with Information about the called party and the facility or destination.

j. Shared Call Appearances for a Directory Number

Allows a directory number from one terminal to appear as a call appearance on the terminals of other users.

k. Short Hunt

Permits incoming calls to hunt over a set of directory number appearances in search of an idle directory number on which to terminate.

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

INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

C. RATES

1. Rate Regulations

a. BRI Access

(1) Service Capability Charges

(a) Monthly Rate

Monthly rates for Service Capabilities apply per Service Capability provided.

(b) Product/Service Charge

The Product/Service Charge applies per termination for the installation or the move of each BRI Access arrangement.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)C. RATES (Cont'd)

1. Rate Regulations (Cont'd)

a. BRI Access (Cont'd)

(2) Change Charge

The Change Charge applies per Individual Line Business BRI Service configuration for customer-requested changes to or addition of call appearances, adding or changing features in an existing configuration group, and adding or changing BRI features.

(3) Configuration Group Charge

The Configuration Group Charge applies per configuration group established in excess of one group on the initial establishment of BRI and any configuration group requested after the initial establishment of service.

2. Rates and Charges

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
a. Change Charge	\$18.50	—	REA1B
b. Configuration Group Charge, per group established in excess of one group on the initial BRI installation	\$46.25	—	REA1J
c. Secondary Directory number, per number established	\$17.00	\$ 3.50	SXS

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)C. RATES (Cont'd)

2. Rates and Charges (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
d. Featured Voice BRI Access, per individual line ⁱ	\$71.25	\$12.00	ACBAA
e. Multiple Access BRI ⁱ	\$57.75	\$10.50	LSN1X
(1) Each Voice service, per service provided	\$18.50	\$4.50	LTG5X
(2) Circuit-Switched Data service, per service provided	\$18.50	\$4.50	LTG6X

NOTES:

ⁱ BRI rates and charges are in addition to other applicable Individual Line Business Service arrangement rates and charges as specified in the Telephone Company's appropriate Intrastate Tariffs.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)C. RATES (Cont'd)

2. Rates and Charges (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
e. Multiple Access BRI ¹ (Cont'd)			
(3) Alternate Circuit-Switched Voice and Data service, per service provided	\$18.50	\$ 4.50	LTG1X
(4) Circuit-Switched Data Usage, per minute or fraction thereof per B Channel		.02	UMKX1
f. Electronic Key Feature Package, per service provided	\$29.25	\$ 4.25	EFV1X

NOTES:

¹ BRI rates and charges are in addition to other applicable Individual Line Business Service arrangement rates and charges as specified in the Telephone Company's appropriate Intrastate Tariffs.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)INDIVIDUAL LINE BUSINESS BRI SERVICE (Cont'd)C. RATES (Cont'd)

2. Rates and Charges (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
g. Electronic Key Features, each:			
(1) Automatic Exclusion	\$18.50	\$ 0.25	NXB
(2) Call Pickup	\$18.50	\$ 0.25	NZH
(3) Drop	\$18.50	\$ 0.25	DR8PB
(4) Feature Function Button	\$18.50	\$ 0.25	NYEPK
(5) Hold	\$18.50	\$ 0.25	NXEPB
(6) Individual Calling Line Identification	\$18.50	\$ 8.50	NXN
(7) Key System Coverage for Analog Lines	\$18.50	\$ 0.50	NKA
(8) Multiple Call Appearances of a Directory Number	\$18.75	\$ 0.25	MVY
(9) Outgoing Called Line Identification for ISDN Sets	\$18.50	\$ 0.25	NXW
(10) Shared Call Appearances for a Directory Number	\$19.25	\$ 0.50	DO7
(11) Short Hunt	\$18.50	\$ 0.25	NHGPG

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

RESIDENTIAL BRI SERVICE

A. GENERAL

Residential BRI Service is an optional service arrangement. Residential BRI Service uses the Basic Rate Interface (BRI) Arrangement of the Integrated Services Digital Network (ISDN).

B. REGULATIONS

1. Explanation of Terms

Residential Basic Rate Interface (BRI) Arrangement

Residential BRI Arrangement provides ISDN capabilities from an ISDN equipped switch in the central office. The BRI Arrangement consists of two "B" (Bearer) channels and one "D" channel (2B+D) which are defined as:

B Channels

The B channels are 64 kilobit per second (kbps) channels used for information transfer between users. The B channels may be used in conjunction with circuit-switched service.

D Channel

The D channel is a 16 kilobit per second packet-switched channel that carries signaling and control for the B channels.

Circuit Switching

Circuit Switching is 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.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Residential Features Package

The Residential Features Package includes all of the Residential Feature listed in 5. following for one monthly rate.

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 image 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 Basic Rate Interface lines to their serving central office.

Residential Basic Rate Interface (BRI)

Residential BRI is an optional service arrangement. It uses the ISDN architecture to provide the customer with the capabilities of simultaneous access, transmission and switching of voice, data and imaging services via channelized transport. In addition, Residential BRI service provides the customer with the service capabilities and features described in 3. and 5. following.

Multiple Access Residential BRI

Multiple Access BRI utilizes the B channels of the ISDN architecture for either circuit-switched voice, circuit-switched data or alternate circuit-switched voice and data.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Network Interfaces

ISDN Basic Rate Interface is comprised of a limited set of standard user-network interfaces. The BRI customer premises equipment (CPE) located at the customer premises must be compatible with the network interface. This interface is defined as follows:

A two-wire interface is the physical interface between a switch equipped with ISDN and the network termination (NT1). The NT1 is customer premises equipment which is necessary for terminating a telephone circuit or facility at the customer premises.

Additional Directory Number

An ISDN Additional Directory Number (ADN) is a software defined number that is assigned to a station with an actual telephone number and provides the user the capability to originate and receive calls over the ADN. ADN calls utilize the same facilities as the primary directory number and originating calls assume the characteristics of the station to which the ADN is assigned.

2. Customers subscribing to Residential BRI Service must comply with National ISDN Basic Rate Interface specifications as specified by the Telephone Company.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

3. Service Capabilities

Customers can configure Residential BRI Service using the following service capabilities:

- a. Circuit-switched voice on the B channel(s).
- b. Circuit-switched data on the B channel(s) at speeds up to 64 kbps per B channel.
- c. Alternating circuit-switched voice and circuit-switched data on the same B channel(s).

4. Conditions

This service is offered subject to the following conditions:

- a. Circuit-switched data and voice calls in a customer's local calling area will be billed on a local usage-sensitive basis as specified in this tariff in C.2.

Local circuit-switched voice calls will be billed on a per message basis as specified in this tariff in C.2. Toll charges, as specified in the appropriate Telephone Company Message Toll Service Tariff, will apply when circuit-switched data and voice calls are made to points outside of the Local Service Area.

- b. ISDN compatible terminal equipment is a requirement for operation. It is the customer's responsibility to obtain and power such equipment. If a power failure occurs at the service location and the terminal equipment used by the customer does not have a battery backup, the equipment will not operate and contact with emergency services such as 9-1-1 will not be possible.

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)RESIDENTIAL BRI SERVICE (Cont'd)B. REGULATIONS (Cont'd)

4. Conditions (Cont'd)

- c. Residential BRI Service is available only from central offices which have the facilities necessary to provide Residential BRI Service on the standard ISDN network platform.

However, the customer's service location must be within distance limitations determined in the sole judgment and discretion of the Company. When a customer requests ISDN service and requires the installation of additional facilities due to exceeding the distance limitations determined by the Telephone company, and, where, in the judgment of the Telephone Company, it is practical to provide such facilities, the customer will be charged rates and charges based on the cost of providing the necessary additional facilities, in addition to the rates and charges specified in C.2. following. These charges for any additional facilities required will be computed on an Individual Case Basis.

- d. Residential BRI Service does not preclude the customer from originating circuit-switched voice calls to, or receiving circuit-switched voice calls from, inside or outside of the customer's serving central office or Local Service Area. Where facilities are available, the customer will be able to originate circuit-switched data calls to, and receive circuit-switched data calls from, outside of the customer's serving central office.
- e. Residential Features availability is dependent on the facilities providing the service. No credit is given on the package rate for features which are not available because facilities and appropriate digital technology are not in the serving central office.
- f. Residential Features may not be selected individually. With the exception of Multiple Call Appearance and Shared Call Appearances for a Directory Number, rates and charges for Residential BRI Service provide for single appearances of Residential Features on the same channel.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

4. Conditions (Cont'd)

g. Residential BRI Service provides access to two circuit-switched "B" channels. D channel packet data service is not included in this tariff offering.

h. Residential BRI Service will be installed only at a residence location. Residential BRI Service will be provided on no more than three lines at a given residence location.

Residential BRI Service will not be provided at a location if other service provided by the Company at that location is solely Business Service. Use of Residential BRI Service is not restricted to use of only a residence nature. Customers subscribing to Residential BRI Service will be provided Residence Service directory listings in accordance with Company tariffs and will not be eligible for Yellow Pages listings.

5. Residential Features Package

Residential Features Package provides the customer with the ability to access the following features where available. Use of these features requires customer-provided ISDN compatible CPE and/or software.

a. Automatic Exclusion

Automatically inhibits other stations from picking up a call on hold or bridging onto a call that is active at that station. This feature must be used in conjunction with Shared Call Appearances for a Directory Number.

b. Drop

Allows the user to drop the last party added to a conference call. This feature must be used in conjunction with three-way calling.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

5. Residential Features Package (Cont'd)

c. Feature Function Button

Allows the user to assign certain features to a particular button on the user's ISDN set. When depressed the button will activate the assigned feature.

d. Hold

Allows the user to place a call on hold.

e. Individual Calling Line Identification

Allows the user to have access to the directory number of the calling party.

f. Key System Coverage for Analog Lines

Allows an ISDN set to provide call coverage for an analog set.

g. Multiple Call Appearances of a Directory Number

Allows the user to have more than one appearance of the user's directory number assigned to the user's set, providing the capability of multiple incoming or outgoing calls associated with that directory number. Multiple incoming calls to this directory number can be terminated to the telephone if idle call appearances are available to accept the calls. Analog sets may have only one call appearance.

h. Outgoing Called Line Identification for ISDN Sets

Provides the user originating a call with the number of the called party.

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

RESIDENTIAL BRI SERVICE (Cont'd)

B. REGULATIONS (Cont'd)

5. Residential Features Package (Cont'd)

i. Shared Call Appearances for a Directory Number

Allows a directory number from one terminal to appear as a call appearance on the terminals of other users.

j. Short Hunt

Permits incoming calls to hunt over a set of directory number appearances in search of an idle directory number on which to terminate.

C. RATES

1. Application of Rates

a. Residential BRI Access

(1) Service Capability Charges

(a) Monthly Rate

Monthly rates for Service Capabilities apply per Service Capability provided.

(b) Installation Charge

The Installation Charge applies per termination, for installation or the move of the BRI Access.

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

RESIDENTIAL BRI SERVICE (Cont'd)

C. RATES (Cont'd)

1. Application of Rates (Cont'd)

b. Multiple Access

- (1) Circuit-Switched data and voice usage rates in excess of "Multiple Access" package usage allowance are based on day-of-week and time-of-day use. Charges for usage in excess of package usage allowance are as follows for each B channel used for data or voice.

7 AM – 7 PM Monday through Friday = 2 cents per minute or fraction of a minute.

All other times = 1 cent per minute or fraction of a minute.

- (2) Multiple Access Residential BRI packages are as follows:

I10/20 Package includes 20 hours per month of total B channel voice or data usage.

I30/60 Package includes 60 hours per month of total B channel voice or data usage.

I70/140 Package includes 140 hours per month of total B channel voice or data usage.

I150/300 Package includes 300 hours per month of total B channel voice or data usage.

I250/500 Package includes 500 hours per month of total B channel voice or data usage.

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

RESIDENTIAL BRI SERVICE (Cont'd)

C. RATES (Cont'd)

1. Application of Rates (Cont'd)

b. Multiple Access (Cont'd)

(2) Multiple Access Residential BRI packages (Cont'd)

Unlimited Package includes unlimited hours per month of total B channel voice at data usage.

Usage for each B channel will be recorded separately and usage for both channels will then be added together to arrive at total B channel usage.

c. Point to Multipoint Access

A physical connection in which a single network termination supports multiple terminal equipment devices. Charges are per Service Profile Identifier (SPID) device over and above the two SPIDS provided.

2. Rates and Charges

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>Usage Rate</u>
a. Additional Directory Number, per number established	—	\$ 3.50	
b. Multiple Access	\$125.00	—	
I10/20 Package	—	\$ 31.00	
I30/60 Package	—	\$ 41.25	
I70/140 Package	—	\$ 55.50	
I150/300 Package	—	\$ 84.00	
I250/500 Package	—	\$108.50	
Unlimited Package	—	\$249.00	

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) (Cont'd)RESIDENTIAL BRI SERVICE (Cont'd)C. RATES (Cont'd)

2. Rates and Charges (Cont'd)

	<u>Product/ Service Charge</u>	<u>Monthly Rate</u>	<u>Usage Rate</u>
c. Residential Features Package, per B Channel	—	\$ 4.25	
d. Point to Multipoint Access	—	\$ 1.00	
e. Circuit Switched Voice and Data Usage, per minute or fraction thereof, per B channel			
Monday through Friday 7 AM – 7 PM			\$0.02
All other times			\$0.01
6. Circuit Switched Voice Usage, per local message			
Monday through Friday 7 AM-7 PM			\$0.07
All other times			\$0.028