

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 1

ISDN BASIC RATE INTERFACE SERVICE

A. GENERAL

1. ISDN Basic Rate Interface (BRI) Service is a digital local exchange service that provides a customer with the ability to transmit circuit switched voice, circuit switched data, and packet switched data simultaneously over a single access line. ISDN BRI Service is available from suitably equipped central offices and where suitable loop facilities exist.
2. ISDN BRI Service consists of a Basic Rate Access Line and ISDN Bearer Services. The Basic Rate Access Line and the ISDN Bearer Services are not offered separately. Up to three Bearer Services may be provisioned on each access line. In addition, optional features may be purchased as specified in B.3. following.
3. All circuit switched calls are carried on the public switched telephone network. Local circuit switched calling can be purchased as flat rate or measured rate service. All packet switched calls are carried by X.25 Packet.

B. SERVICE DESCRIPTION

1. Basic Rate Access Line
  - a. A Basic Rate Access Line is a digital line from the customer's location to the Telephone Company central office which transports one or more ISDN Bearer Services found in 2. following. A Basic Rate Access Line can carry up to two B-Channel Bearer Services and one D-Channel Bearer Service. All selected Bearer Services can operate on the Access Line simultaneously.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 2

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

1. Basic Rate Access Line (Continued)

- b. Each terminal (voice or data set) that the customer places on a Basic Rate Access Line will be assigned a directory number. The customer must notify the Telephone Company of the number of terminals that will be used on each Basic Rate Access Line. A maximum of eight (8) terminals may be connected to a Basic Rate Access Line.

2. ISDN Bearer Services

ISDN Bearer Services define the types of traffic that the Basic Rate Access Line will carry. A Basic Rate Access Line can carry up to two B-Channel Bearer Services and one D-Channel Bearer Services simultaneously.

a. Circuit Switched B-Channel (Voice or Data)

A Circuit Switched B-Channel provides a 56 kbps or 64 kbps circuit switched service which can be used for either voice or data traffic. The call type (voice or data) can be changed on a call by call basis.

- (1) When multiple circuit switched terminals are connected to a Basic Rate Access Line with two Circuit Switched B-Channels, the user can specify how the terminals contend for use of the two B-Channels. Each B-Channel can be directly assigned for use by one terminal, or it can be available for use by multiple terminals.
- (2) Circuit Switched B-Channels may be purchased with either flat rate or measured rate service. Flat rate local calling is included in the flat rate B-Channel service option. Measured rate B-Channels will be billed for local usage via the rates and regulations in Section 1, paragraph 7 ("Measured Service"), of this tariff. Mixing flat rate and measured rate service between B-Channels on a single Basic Rate Access Line is prohibited. Mixing flat rate and measured rate service between Basic Rate Access Lines is prohibited when furnished on the same continuous property, except where the services are used for separate purposes, not used to supplement each other, and used for distinctly different applications.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 3

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

2. ISDN Bearer Services (Continued)

a. Circuit Switched B-Channel (Voice or Data) (Continued)

(3) Circuit Switched B-Channels are provided with the following standard features:

Call Hold - This feature allows the user to place a call on hold and retrieve it at a later time.

Display Service - This feature provides terminals which are equipped with a display screen with the time and date, and the ability to inspect the status of calls in progress.

Three Call References - Each circuit switched terminal will be offered the capacity to manage (hold, originate, terminate or receive alerting) up to three calls at once. By placing an existing call on hold, the user can originate (or terminate) a second or third call.

Call Transfer - This feature allows the user to transfer a call to another directory number. This feature is for use with voice calls only.

Conference - This feature allows the user to add a third party to an existing conversation. This feature is for use with voice calls only.

Call Drop - This feature allows the user to disconnect the last party added to a conference call.

Calling Number Delivery - Displays the telephone number of the caller after the first ring.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 4

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

2. ISDN Bearer Services (Continued)

b. Packet Switched B-Channel

B-Channel Packet Service provides a 64 kbps connection to X.25 Packet.

- (1) Each B-Channel Packet terminal will be provided up to 24 logical channels. Each logical channel can carry independent call with throughput of up to 19.2 kbps. If more than 24 logical channels are required, additional logical channels can be provided as found in 3.b.(3) following. Each logical channel may be established as one of the following types:

Two-way Switched Virtual Circuit (default)  
One-way Incoming Switched Virtual Circuit  
One-way Outgoing Switched Virtual Circuit  
Permanent Virtual Circuit (additional charge)

- (2) The following features are provided to B-Channel Packet subscribers.

Fast Select Initiation  
Reverse Charging Initiation  
Flow Control Parameter Negotiation  
Throughput Class Negotiation  
Recognized Private Operating Agency (RPOA) Selection

- (3) The following configuration choices are available to B-Channel Packet subscribers. Default values are used if the customer has no preference except where noted.

Recognized Private Operating Agency (RPOA) Preselection  
Frame Window Size  
Acknowledgement Timer  
Idle Timer  
Maximum Packet Size  
Packet Window Size  
Throughput Class Selection  
Fast Select Acceptance  
Reverse Charging Acceptance

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 5

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

2. ISDN Bearer Services (Continued)

c. Packet Switched D-Channel

This service provides a connection to X.25 Packet over the 16 kbps D-Channel.

- (1) Each D-Channel Packet terminal will be provided with up to 8 logical channels. Each logical channel can carry a packet call with throughput of up to 9.6 kbps. Additional logical channels can be provided as found in 3.b.(3) following. Each logical channel may be established as one of the following types:

- Two-way Switched Virtual Circuit (default)
- One-way Incoming Switched Virtual Circuit
- One-way Outgoing Switched Virtual Circuit
- Permanent Virtual Circuit (additional charge)

- (2) The standard features provided to D-Channel Packet subscribers are the same as those listed in b.(2) preceding.
- (3) The configuration choices available to D-Channel Packet subscribers are the same as those listed in b.(3) preceding.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 6

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

3. Optional Features

The features in this section are available to ISDN BRI customers at additional cost. For Basic Rate Access Lines with multiple terminals and/or multiple directory numbers, the features must be purchased separately for each directory number on which the feature is desired. Features only function on call references assigned to the directory number subscribing to the feature.

a. Circuit Switched B-Channel Options

The following optional features are available for use on Circuit Switched B-Channels:

- (1) Hunting - This feature provides for a predefined search for an idle terminal to which a call can be completed. Terminals subscribing to hunting may not have multiple call references. Customers desiring Uniform Call Distribution (UCD) must first purchase hunting, and then purchase UCD from the General Exchange Tariff.
- (2) Additional Call References - This feature provides the customer with the ability to manage extra calls on an existing directory number. The customer may specify the number of call references desired for the directory number.
- (3) Six Party Conference Calling - This feature provides the ability to create a conference call with up to six parties. This feature is for use with voice calls only.
- (4) Call Pickup - This feature allows a user to answer any call within a customer defined call pickup group. This feature is for use with voice calls only.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 7

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

3. Optional Features (Continued)

a. Circuit Switched B-Channel Options (Continued)

- (5) Electronic Key Telephone Service (EKTS) - This feature provides a group of features that increases the user's voice terminal flexibility and offers the functionality of a key system to groups of users subscribing to EKTS.

Shared Directory Numbers - This feature allows EKTS terminals to share one or more directory numbers (DNs). Originating and terminating calls on one terminal affect all terminals sharing that DN. The shared DNs can have multiple call appearances, multiple calls can exist on one DN, and more than one terminal sharing the DN can have a call active on that shared DN.

Bridging - When one EKTS user originates or receives a call on a shared directory number, bridging allows other terminals sharing that DN to bridge on to that active call.

Automatic Bridged Call Exclusion - This is a privacy feature that allows a customer to specify, on an EKTS group basis, that no other user can bridge on to calls. On a call by call basis, this feature can be disabled to allow bridging to occur.

Manual Bridged Call Exclusion - This is the opposite of Automatic Bridged Call Exclusion. On a call by call basis the user can restrict bridging.

Intercom Calling - This feature allows an EKTS user to call other terminals in the EKTS group with one or two digit dialing.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 8

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

3. Optional Features (Continued)

a. Circuit Switched B-Channel Options (Continued)

(5) Electronic Key Telephone Service (EKTS) (Continued)

Abbreviated Ringing and Delayed Ringing - Abbreviated and Delayed Ringing are related. When multiple terminals share a directory number, the customer can specify one or more of the terminals to receive Abbreviated Ringing and one or more of the terminals to receive Delayed Ringing. When a call attempts to terminate to the shared DN, the Abbreviated Ringing terminals will ring immediately. If the call remains unanswered after a pre-specified time, the Abbreviated Ringing Terminals will stop ringing and the Delayed Ringing terminals will begin ringing. The Delayed Ringing terminals will continue to ring until the call is answered or abandoned.

(6) Additional Directory Number - This feature provides the customer with an extra call reference with a unique directory number. This feature is only available to EKTS subscribers.

b. Packet Switched Optional Features

The following features are available for use with Packet Switched B-Channel and D-Channel Bearer Services:

(1) X.25 Hunting - This feature provides hunting between multiple directory numbers assigned to X.25 terminals.

(2) Closed User Group (CUG) - This feature allows packet subscribers to form sub-networks within which members can communicate. The CUG is billed on a per member basis. Users can be members of more than one CUG. The CUG can be designed with the following configuration options:

Incoming calls barred within the CUG  
Outgoing calls barred within the CUG  
CUG with incoming access  
CUG with outgoing access

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
Original Page 9

ISDN BASIC RATE INTERFACE SERVICE

B. SERVICE DESCRIPTION (Continued)

3. Optional Features (Continued)

b. Packet Switched Optional Features (Continued)

- (3) Additional Logical Channels - If logical channels are required in addition to those provided as standard in 2.b.(1) and 2.c.(1) preceding, they may be purchased in blocks of seven. The maximum number of logical channels allowed on a Packet Switched B-Channel is 127. The maximum number of logical channels allowed on a D-Channel is 15.
- (4) Permanent Virtual Circuit - This feature allows a call to be established over a dedicated logical channel to a prescribed address with no need for call setup or clearing.
- (5) Additional Directory Number - This feature provides an additional telephone number for a customer's packet switched bearer service.

C. REGULATIONS

1. ISDN BRI Service is furnished subject to the availability of suitable facilities and is only served from specially equipped digital central offices.
2. Temporary suspension of service is not available with ISDN BRI Service.
3. The minimum service period for ISDN BRI Service is one month.

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
1st Revised Page 10  
Cancels Original Page 10

ISDN BASIC RATE INTERFACE SERVICE

C. REGULATIONS (Continued)

4. The customer must provide customer premises equipment that meets the technical requirements of the serving central office.
5. Customers must choose from a standard set of terminal button configurations when adding a terminal to a line. The charge for changing an existing terminal button configuration is listed in D.4.a. following. This charge is waived if the change is made as the result of adding a feature or service.
6. The customer is responsible for providing power to all customer premises equipment (CPE) attached to the ISDN Basic Rate Access Line.
7. The customer must notify the Telephone Company when terminals are added or removed from a Basic Rate Access Line. This is in order to maintain the proper provision of directory numbers and call control on the line.
8. An End User Common Line Charge (EUCLC) is applied to each Basic Rate Access Line.
9. One 911 charge is applied to each Circuit Switched B-Channel.
10. When a customer transfers a call, the customer is responsible for any toll charges associated with the customer originated leg(s) of the call.
11. Service from some central offices may not provide all of the features and functionality described in this tariff.
12. When placing an order for service(s) a Customer may request a service date that is sooner than the standard interval service date. If the Company agrees to and meets the requested expedite date, an expedite charge will apply and will be in addition to installation charges and all other nonrecurring charges.

(N)  
(N)  
(N)  
(N)

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
3rd Revised Page 11  
Cancels 2nd Revised Page 11

ISDN BASIC RATE INTERFACE SERVICE

D. RATES AND CHARGES

	<u>Initial Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
1. Basic Rate Access Line			
a. Access Line	0.00	75.00 (I)	LOY
2. ISDN Bearer Services			
a. B-Channel Circuit Switched Voice or Data with flat rate service (Note 1)	0.00	45.00 (I)	LTQ1X
b. B-Channel Circuit Switched Voice and Data with measured rate service (Note 1)	0.00	10.19 (I)	LNMI1X
c. B-Channel Packet Switched Data (Note 1)	0.00	129.63	LTQ3X
d. D-Channel Packet Switched Data (Note 1)	0.00	10.00	LTQ4X

Note 1: The initial charge is applied only when this service is added subsequent to the installation of the Basic Rate Access Line.

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Ted Heckmann, Assistant Secretary and Managing Director Regulatory Affairs, Cincinnati, Ohio

EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
1st Revised Page 12  
Cancels Original Page 12

ISDN BASIC RATE INTERFACE SERVICE

D. RATES AND CHARGES (Continued)

3. Optional Features

	<u>Initial Install Charge*</u>	<u>Subsequent Install Charge*</u>	<u>Monthly Rate</u>	<u>USOC</u>
a. Circuit Switched Optional Features				
(1) Hunting	0.00 (D)	0.00 (D)	\$ 3.11	NZQ
(2) Additional Call References	0.00 (D)	0.00 (D)	5.19	NJA
(3) Six Party Conference Calling	0.00 (D)	0.00 (D)	12.00	EQ6
(4) Call Pickup	0.00 (D)	0.00 (D)	2.07	NZH
(5) Electronic Key Telephone Service (EKTS)	0.00 (D)	0.00 (D)	10.00	EFV
(6) Additional Directory Number (Note)	--	0.00 (D)	5.19	D06

\* Initial installation charge applies when feature is installed with the installation of the Basic Rate Access Line. Subsequent installation charge applies when feature is installed subsequent to installation of Basic Rate Access Line.

\*\*\*\* In accordance with Case No. 98-292, dated July 26, 1999

(T)

Note: Subsequent installation charge is waived if ordered at the same time as Electronic Key Telephone Service.

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EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
1st Revised Page 13  
Cancels Original Page 13

ISDN BASIC RATE INTERFACE SERVICE

D. RATES AND CHARGES (Continued)

3. Optional Features

	<u>Initial Install Charge*</u>	<u>Subsequent Install Charge*</u>	<u>Monthly Rate</u>	<u>USOC</u>
b. Packet Switched Optional Features				
(1) X.25 Hunting	0.00 (D)	0.00 (D)	5.19	HT5PG
(2) Closed User Group Member	0.00 (D)	0.00 (D)	1.04	GXM
(3) Additional Logical Channels	0.00 (D)	0.00 (D)	3.11	NW9AL
(4) Permanent Virtual Circuit	0.00 (D)	0.00 (D)	4.15	GXP
(5) Additional Directory Number	0.00 (D)	0.00 (D)	5.19	FGD

\* Initial installation charge applies when feature is installed with the installation of the Basic Rate Access Line. Subsequent installation charge applies when feature is installed subsequent to installation of Basic Rate Access Line.

\*\*\*\* In accordance with Case No. 98-292, dated July 26, 1999

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EXCHANGE RATE TARIFF  
PSCK NO. 2

CINCINNATI BELL TELEPHONE COMPANY LLC

Section 4  
2nd Revised Page 14  
Cancels 1st Revised Page 14

ISDN BASIC RATE INTERFACE SERVICE

D. RATES AND CHARGES (Continued)

	<u>Non-Recurring Charge</u>	<u>USOC</u>	
4. Change Charges			
a. Adding a terminal to a line or changing the configuration of a feature or terminal	0.00	REA1Q	
b. Customized Terminal Button Configuration	0.00	NYE	
c. Expedite Charge	700.00	WZES1	(N)