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ITEM

485 **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service**

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485.1 **Service Description**

ISDN-BRI Service provides for the digital transmission of information between TCI's ISDN-serving Central Office and compatible terminal equipment located at a Customer's premises. The Service includes one (1) or two (2) 64-Kbps B-Channels and one (1) 16-Kbps D-Channel. The B-Channels are used for circuit-switched digitized voice, data, or image communications. The D-Channel is used for call control. The Service is based on the Integrated Services Digital Network (ISDN) Basic Rate Interface (BRI) standard.

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485.2 **Definitions**

For the purposes of this Tariff Item:

*"1B+D"* or *"2B+D"* are two different Access configurations where the number of B channels available on the Access are identified as either 1B or 2B.

*"Access"*, means one (1) or two (2) 64-Kbps B-Channels and a 16-Kbps D-Channel on a local facility between the ISDN-BRI serving Central Office and the Network Interface Demarcation Point at the Customer's premises.

*"Basic Rate Interface (BRI)"* means an ISDN interface configuration providing a maximum of two (2) B-Channels plus one D-Channel (i.e., 2B+D).

*"B-Channel"* is a 64-Kbps local digital access channel used for the Customer's voice or non-voice communications.

*"D-Channel"* is a 16-Kbps local digital channel used for call control.

*"ISDN"* is the Integrated Services Digital Network, a Network architecture defined by the ITU-T.

*"ITU-T"* is the International Telecommunication Union (ITU) - Telecommunications.

*"Kilobits Per Second (Kbps)"* is a measure of the data transmission rate or the transmission capacity of a digital facility.

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485.2      **Definitions - Continued**

*"Link" or "Link Connection"* means the interconnection within a Central Office to provide the connectivity between an ISDN-BRI B-Channel and a service provided by the TCI Network or another carrier. |

*"Network Termination 1 (NT1)"* is a device providing the physical and electrical termination of the ISDN-BRI line at the Customer's premises. |

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485.3      **Conditions of Service**

1. ISDN-BRI Service shall be available only from ISDN-serving Central Offices, and shall be provided subject to the availability of suitable equipment and facilities. |
2. TCI shall determine the Central Office from which ISDN-BRI Service shall be provided. |
3. ISDN-BRI Service may not be available in all locations of an ISDN-BRI serving exchange area due to transmission or technical constraints. |
4. Customer premises equipment or devices connected to ISDN-BRI Service are subject to the technical limitation of the local facility, and the distance restriction on inside wiring between the Network Interface Demarcation Point and the Customer premises equipment or device. |
5. ISDN-BRI Service provides single line access as the standard arrangement. The termination of over eight (8) ISDN-BRI lines on multiline or Automatic Call Distribution systems is available only on a Special Assembly basis. |

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485      **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - Continued**

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485.3      **Conditions of Service - Continued**

6. ISDN-BRI Service shall include a local facility providing a maximum of two (2) B-Channels and one D-Channel from the ISDN-BRI serving Central Office to the Network Interface Demarcation Point at the Customer's premises within the Base Rate Area.
7. The B-Channels shall provide public switched telephone network access.
8. The D-Channel shall be used for call control.
9. ISDN-BRI Service provides for a maximum of two (2) exchange telephone numbers for each Access, one for each B-channel.
10. When subscribing to ISDN-BRI Service, customers will receive one associated white page listing for each exchange telephone number associated with the ISDN-BRI Access and Business Customers will receive one listing in the Yellow Pages.
11. When subscribing to ISDN-BRI Service, customers will receive one associated white page listing for each exchange telephone number associated with the ISDN-BRI Access and Business Customers will receive one listing in the Yellow Pages.
12. ISDN-BRI Service may be connected to either Customer or TCI provided terminal equipment located at the Customer's premises.
13. The Customer is solely responsible for the installation, operation and maintenance of Customer-provided terminal equipment.
14. The Customer's terminal equipment attached to TCI's network must be certified or connected through a certified network protection device in accordance with Item 110, Attachments.
15. Customers shall provide, at their own expense, the power required for all Customer premises equipment and devices.
16. One (1) NT-1, either Customer - or TCI-provided, is required for each Access and is not included in the Access charge.

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485      **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - F  
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485.3      **Conditions of Service - Continued**

17. ISDN-BRI Service supports up to a total of four (4) Customer premises terminal devices on each 2B+D. (The NT-1 is not included in the count of the four Customer premises terminal devices for this purpose.) In the event TCI is required to support more than four Customer premises terminal devices on a single 2B+D, the Customer shall pay additional charges on a Special Assembly basis at rates and charges to be approved by the CRTC on a case-by-case basis. |
18. Extended Area Service (General Tariff Item 240) charges shall apply to each ISDN-BRI B-Channel accessing the Public Switched Telephone Network. (See Item 485.4, Note 10.) |
19. Customers subscribing to Link Connections shall be subject to the rates, charges, terms and conditions of the Network or Services provisioned.
20. Maintenance parameters for Link Connected Services are based on those provided for in TCI's Tariffs applicable to the respective service.
21. Basic ISDN-BRI features shall be provided as part of ISDN-BRI Access, subject to the limitations of the Customer premises terminal equipment. |
22. ISDN-BRI Optional Features are provided at rates and charges set out in this Tariff Item. |
23. In the event a Customer terminates all or part of an ISDN-BRI Access arrangement or a contracted ISDN-BRI optional feature prior to the expiry of the contract period, the Customer shall pay to TCI all charges due for services furnished plus a termination charge equal to 50% of ISDN-BRI charges applicable to the unexpired portion of the contract period. |

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485      **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - F**  
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485.3      **Conditions of Service - Continued**

24. ISDN-BRI Service is provided in one of the following two arrangements: |

- a. The standard arrangement is composed of single line access of 1B+D or 2B+D channel configuration with no optional features; or
- b. Single line access of 2B+D channel configuration plus ISDN-BRI Voice Package features include: |
  - i) Auto Dial (One Number)
  - ii) Call Display (Name and Number Display)
  - iii) Call Pick-up
  - iv) Call Transfer Universal
  - v) Call Waiting
  - vi) Call Forward
  - vii) Consultation Hold
  - viii) Direct Inward Dialing to Station
  - ix) Distributed or Rotary hunting
  - x) Intercom
  - xi) Last Number Redial
  - xii) Ring Again
  - xiii) Three Way Conference/Call Transfer

25. ISDN-BRI Voice Package features are available as follows: |

- a. Where feature interworking with ISDN is available, ISDN-BRI Voice Package features are provided subject to the availability of sufficient and suitable equipment and facilities; and |
- b. Available features are subject to the limitations of the Customer Premises Terminal Equipment.

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485 **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - Continued**

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485.3 **Conditions of Service - Continued**

26. In the event a Customer wishes to relocate ISDN-BRI Service to a new Customer service location, the Customer shall pay all relevant charges applicable to the provision of ISDN-BRI Service at the new location.

27. In the event a Customer wishes to relocate to a new Customer service location and to have temporary concurrent access from both the original and the new location for a continuous period of more than forty-eight (48) hours, the Customer shall pay for each ISDN-BRI Access and ISDN-BRI contracted or non-contracted optional feature at the new location based on the rates applicable under the original Contract, plus any other charges applicable to the provision of ISDN-BRI Service at the new location at the then current rates.

28. Upon the expiry of the contract period for the ISDN-BRI Access arrangement or contracted ISDN-BRI optional feature, TCI shall continue to provide service pursuant to the Automatic Renewal of ISDN-BRI Service Contracts provision specified in Item 485.3.29.

29. Automatic Renewal of ISDN-BRI Service Contracts:

Upon expiration of the contract period and subject to the following, the Customer will be deemed to have agreed to commit to another immediately succeeding contract period of equal duration, and for an equal minimum monthly commitment level unless the Customer has agreed to a contract period of a different duration and/or commitment level, or the service subscription has been terminated.

a. All ISDN-BRI Customers will be notified by TCI, either on their monthly bill or by letter, at least sixty (60) days before the end of the current ISDN-BRI contract, as to when automatic renewal will take place, absent any indication by the Customer to the contrary;

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485.4 **Rates**

1. ISDN-BRI Access:

The Customer shall pay the rates and charges as shown in the following table for each ISDN-BRI Access, and such rates and charges are in addition to other rates and charges that may be applicable.

Rate Band	Service Item	ISDN-BRI Access Per Access (Notes 10 and 11)				
		Monthly Rate	Contract Term			Service Charge
		(Note 1)	1-Year	3-Year	5-Year	(Notes 2 and 11)
A1-A3	Standard 2B+D Service	N/A	N/A	N/A	N/A	(Note 8)
	Standard 1B+D Service	N/A	N/A	N/A	N/A	N/A
B1-B4	Standard 2B+D Service	202.95	130.35	117.15	113.30	(Note 8)
	Standard 1B+D Service	146.30	117.15	117.15	117.15	\$115.00
C2	Standard 2B+D Service	202.95	130.35	117.15	117.15	\$115.00
C1,C3	Standard 2B+D Service	N/A	N/A	N/A	N/A	N/A
D1-D4	Standard 2B+D Service	252.45	152.35	148.50	139.15	\$115.00
D5	Standard 2B+D Service	N/A	N/A	N/A	N/A	N/A
D6	Standard 2B+D Service	252.45	152.35	148.50	139.15	\$115.00
E1-E5	Standard 2B+D Service	252.45	152.35	148.50	139.15	\$115.00
F1-F6	Standard 2B+D Service	252.45	152.35	148.50	139.15	\$115.00
F7	Standard 2B+D Service	N/A	N/A	N/A	N/A	N/A
G1-G2	Standard 2B+D Service	252.45	152.35	148.50	139.15	\$115.00

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See General Tariff Items 425 and 435 for the Sub-band classification of individual exchanges.

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485 **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - Continued**

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485.4 **Rates - Continued**

2. Optional Features for ISDN-BRI Access:

a. ISDN-BRI Voice Feature Package

Service Item	Voice Feature Package per Access				
	Monthly Rate	Contract Term			Service Charge
		1-Year	3-Year	5-Year	
All Rate Bands	\$52.80	\$38.50	\$38.50	\$36.30	(Note 3)

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b. ISDN-BRI Feature Networking Package

Service Item	Voice Feature Package per Access				
	Monthly Rate	Contract Term			Service Charge
		1-Year	3-Year	5-Year	
Service Level 1	\$31.35	\$21.45	\$18.15	\$14.30	(Note 7)
Service Level 2	\$29.70	\$20.35	\$16.50	\$13.20	(Note 7)
Service Level 3	\$26.95	\$18.15	\$14.30	\$10.45	(Note 7)

c. ISDN-BRI Speed Calling -

Service Item	ISDN-BRI Speed Calling Per Access	
	Monthly Rate	Service Charge
Speed Call Short	\$ 13.20	(Note 7)
Speed Call Long	26.95	(Note 7)
Speed Call Universal	26.95	(Note 7)

d. ISDN-BRI Call Management

Service Item	Monthly Rate	Service Charge
Music on Hold	\$0.64 per channel	(Note 1)
Additional Directory Number	4.51 each	\$25.00 (Note 2)
Multiple Appearance Directory Number	4.51 each	\$25.00 (Note 2)
Redirected Number Delivered	4.51 each	\$25.00 (Note 2)



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485 **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - Continued**

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485.4 **Rates - Continued**

3. Optional Link Connections (for connectivity with TCI's competitive services or comparable competitive services offered by another carrier):

Service Item	Optional Link Connections Per Link Connection		
	Monthly Rate	Service Charge	
Digital Voice Link Connection (Note 4)	\$ 53.90	\$ 48.00	A
Sub-rate Data Link Connection (Note 4, 5)	211.20	48.00	
DS-0 Link Connection (Note 5)	53.90	48.00	
Foreign Exchange Link Connection (Note 6)	53.90	48.00	
Interexchange Link Connection (Note 6)	53.90	48.00	

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485.4 **Rates - Continued**

4. ISDN-BRI Service circuit-switched voice and non-voice message toll calls completed over the public switched telephone network shall be subject to the rates contained in the appropriate message toll rate schedules.
5. ISDN-BRI Outside Plant Extension (OPX)

Customers outside the normal service distance from an ISDN-BRI equipped Central Office can subscribe to ISDN-BRI OPX in order to extend the loop reach of ISDN-BRI Service. ISDN-BRI OPX is applied in addition to the ISDN-BRI Access rates and charges as specified in Tariff Item 485.4.1.

Service Item	Monthly Rate			Service Charge
	Contract Term			
	1 Year	3 Year	5 Year	
ISDN-BRI OPX	\$ 81.95	\$ 73.70	\$ 68.75	\$ 412.00

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ISDN-BRI OPX applies to extending ISDN-BRI Service from a Customer's normal serving Central Office.

Termination of service prior to the contracted term results in termination charge liability as outlined in the terms and conditions of ISDN-BRI Service, Tariff Item 485.3.23.

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485 **Integrated Services Digital Network-Basic Rate Interface (ISDN-BRI) Service - Continued**

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485.4 **Rates - Continued**

**Note 1 :** The charges shown include access to the public switched telephone network and the provision of one(1) telephone number for each 1B+D Access or two (2) telephone numbers for each 2B+D Access.

**Note 2 :** The service provisioning charges are for the installation of ISDN-BRI Service and include craftwork, service order and central office charges. The Customer shall pay other service provisioning charges as set out in General Tariff CRTC 18001, Item 550 as applicable. C

**Note 3 :** The service charge as contained in General Tariff CRTC 18001, Item 550 applies if the Voice Feature Package is not installed at the same time as the Access. |

**Note 4 :** The charge shown is applied in addition to the Managed Digital Private Line Service Extension charges, General Tariff CRTC 18001, Item 707, and other applicable rates and charges. |

**Note 5:** The charge shown is applied in addition to the Interexchange DS-0 Channel Charges of the Digital Network Access, General Tariff CRTC 21461, Item 500; the Extension Feature and Circuit Termination charges of the Digital Private Line Service Extension Features, General Tariff CRTC 21461, Item 506; and other applicable rates and charges. |

**Note 6:** The charge shown is applicable in addition to the Interexchange Channel Charge of the corresponding Interexchange Voice-Grade Channels Service, General Tariff 21461, Item 522 and other applicable rates and charges. |

**Note 7:** This feature is not available for new installations or for moves, rearrangements or additions to existing installations.

**Note 8:** Upgrade from Standard 1B+D service to Standard 2B+D service installed after the initial order will be charged a \$82.00 service charge per access.

**Note 9:** Reserved for future reference. D |

**Note 10:** EAS rates are included in Access rates.

**Note 11:** The rates shown in this tariff do not apply to exchanges in Sub-Rate Bands A1, A2, B1, B3, C1, C3, D5 and F7 as the exchanges in these sub-rate bands, as listed in General Tariff (CRTC 21461) Item 212, *Forborne Business Local Exchange Services*, are forborne from regulation.

RESERVED FOR FUTURE USE