

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE****A. Description**

ISDN Basic Rate Interface (BRI) Single B Channel Packet Service provides data communications capability for the transmission of packet switched data signals utilizing Integrated Services Digital Network architecture as recommended by the International Telecommunications Union (ITU) and the American National Standards Institute (ANSI), as defined by Telcordia Technical References, and consistent with the North American ISDN Users Forum (NIUF) Implementation Agreements. Packet switching is designed to provide economical, usage-sensitive data transport for interactive (or bursty) data.

ISDN BRI Single B Channel Packet Service only provides high speed packet switched data service that does not connect to the Digital Packet Network (DPN) switch. This service is provided over one 64 Kbps "B" Channel of a single ISDN BRI service Line. No other Packet Network services are provided.

**B. Definitions**ISDN CO Termination

Terminates the ISDN Direct Line in the serving central office.

ISDN Direct Line

The physical connection between and including the customer Network Interface and the ISDN CO Termination.

Kilosegment

One thousand (1,000) segments.

Packet

Continuous sequence of binary digits of information which is switched through the network as an integral unit. Consists of customer data, facilities and addressing/signaling information.

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)**

**B. Definitions (cont'd)**

Packet Switched Data - "B" Channel

Provides the ability to originate and receive X.25 packet switched data calls over a single 64 Kbps "B" channel.

Provides up to three (3) logical channels and throughput of up to 9.6 Kbps per individual logical channel.

Permanent Virtual Circuit (PVC)

A Virtual Circuit that is established and available on a permanent basis. No call establishment or call termination is associated with a Permanent Virtual Circuit.

Segment

A portion of a packet, defined by the Company as a sixteen (16) byte portion.

Single "B" Channel

A 64 Kbps portion of an ISDN BRI Service Line used for transmission of packet switched data.

Virtual Circuit

A communications connection that allows transmission of sequenced data packets through the network. Transmission bandwidth is only allocated when packets are actually being transmitted.

**C. Terms and Conditions**

1. A single device or terminal may be connected directly to an ISDN BRI Single B Channel Packet Service Line. This device will have a unique identifier, known as a Service Profile Identifier (SPID), and a unique primary directory number.
2. An ISDN CO Termination and an ISDN BRI Line is required for each ISDN BRI Single B Channel Packet Service Line.

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)****C. Terms and Conditions (cont'd)**

3. Packet switching usage charges apply. Applicable charges are:
  - Data Transport Minutes of Use, or
  - Kilosegments
4. Customers who transmit an average of 2.0 kilosegments or less of data per logical session per minute can choose between minutes of use (MOU) and kilosegment billing. Customers who transmit greater than an average of 2.0 kilosegments per minute per logical session per minute will be billed for kilosegments transmitted. The average kilosegments per minute will be calculated for the billing period for rating purposes.

The measurement of a MOU session begins upon receipt of the call acceptance packet and ends upon receipt of the call clear packet. The minimum initial MOU session is 7 tenths of a minute and additional usage is measured in tenths of minutes. MOU's will be accumulated for the billing period for rating purposes.

Kilosegment measurement counts the number of segments transmitted. A kilosegment is 1000 segments. A segment has a billable length of 64 octets of customer information. The minimum initial session is 40 segments and additional usage is measured in segments. Segments are totaled at the end of the billing period and rounded to the next whole kilosegment for rating purposes.

5. An evening, weekend and holiday 50% discount in rates will apply to the ISDN Interface charge

The evening discount will apply for any portion of a call occurring Monday through Friday during the period from 4:00 P.M. to but not including 7:00 A.M.

The Weekend and Holiday fifty percent (50%) discount will apply for any portion of a call through the entire day. The Holidays are New Year's Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)****C. Terms and Conditions (cont'd)**

6. ISDN BRI Single B Channel Packet Service is available as a business service.
7. The service is available from specially equipped digital switching equipment located in the Company's central offices and will be provided where facilities permit and where capacity is available.
8. This service only supports National compliant customer premises equipment.

**D. Features**Flow Control Negotiation

A standard feature that allows negotiation on a per call basis of the packet and window size for each direction of data transfer and the ISDN CO Termination.

**E. Technical References**

All customer premises equipment used to interface with ISDN BRI Single B Channel Packet Service is required to conform with the Technical Reference Specifications used by the Company.

| <u>Subject</u>                         | <u>Technical References</u>                              |
|----------------------------------------|----------------------------------------------------------|
| Ameritech ISDN Interface Specification | AM-TR-NIS-000068<br>AM-TR-OAT-000068<br>AM-TR-NPL-000016 |

The Technical References can be obtained from:

APEX Support Team  
(734) 523-7348

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**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)****F. Prices**

The prices shown for ISDN BRI Single B Channel Packet Service are exclusive of local and toll charges and associated customer premises equipment.

ISDN BRI Single B Channel Packet Service Lines are also subject to End User Common Line (EUCL) charges. (See Other Applicable Charges and Payments.) The customer shall be liable for all adjustments to the EUCL charge per ISDN BRI Single B Channel Packet Service Line, per month, as authorized or mandated by the Federal Communications Commission (or by any regulatory body or commission or court of competent jurisdiction).

Charges for the loop, EUCL, and usage are based upon the customer's class of service.

When the customer's premises and the central office providing ISDN BRI Single B Channel Packet Service Line are located in different Service Areas, Base Rate charges will apply. (See Other Applicable Charges and Payments.) Customers provided this service arrangement will require three Interexchange Mileage component charges and six Channel Mileage Termination charges for each ISDN BRI Single B Channel Packet Service Line they purchase.

In cases where the customer's premises are in Independent Telephone Company (ITC) serving areas, the Company will assess Base Rate Interexchange Mileage charges only to the point of meet with the ITC or intermediate ITC. Charges for ITC services will be assessed by the ITC.

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)****F. Prices (cont'd)****1. Service Elements**

| Description /Billing Code/                                          | Recurring Charge | Per Month |
|---------------------------------------------------------------------|------------------|-----------|
| ISDN CO Termination /P2B/                                           | /1/              | /1/       |
| ISDN Direct Line /P2L/                                              |                  |           |
| Rate Class 1                                                        | /1/              | /1/       |
| Rate Class 2                                                        | /1/              | /1/       |
| Rate Class L                                                        | /1/              | /1/       |
| Rate Class 3                                                        | /1/              | /1/       |
| Packet Switched Data "B" Channel /BSB3X/                            | \$100.00         | \$85.00   |
| Usage                                                               |                  |           |
| - Data Transport Charge per 1/10 minute or fraction thereof /HRBM1/ | -                | .0015     |
| - Data Transport Charge per Kilosegment /HRBKX/                     | -                | .24       |

/1/ See Other Applicable Charges and Payments.

**1. ISDN BASIC RATE INTERFACE (BRI) SINGLE B CHANNEL PACKET SERVICE (cont'd)****F. Prices (cont'd)****2. Other Applicable Charges and Payments**

Service ordering and line connection charges are also applicable for the establishment of ISDN BRI Single B Channel Packet Service.

References:

| Service                                   | Reference                                                       |
|-------------------------------------------|-----------------------------------------------------------------|
| Base Rate Service                         | Part 15, Section 3                                              |
| End User Common Line (EUCL)<br>Interstate | Ameritech Operating Companies<br>Tariff F.C.C. No. 2, Section 4 |
| Intrastate                                | Part 21, Section 2                                              |
| ISDN CO Termination                       | Part 17, Section 1                                              |
| ISDN Direct Line                          | Part 17, Section 1                                              |
| Service ordering and line connection      | Part 3, Section 1                                               |