

TARIFF DISTRIBUTION

FILE PACKAGE NO.: TN-19-0038

DATE: August 29, 2019

STATE: TENNESSEE

EFFECTIVE DATE: 09/01/2019

TYPE OF DISTRIBUTION: Approved

PURPOSE: Increase ISDN Business Service (IBS) monthly charges.

<u>TARIFF SECTION</u>	<u>PAGE NUMBER</u>	<u>PAGE REVISION</u>
G042	1	0003
G042	2	0004
G042	3	0004
G042	4	0003
G42 Cont. (pg)	1	0003

A42. INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

CONTENTS

A42.1	ISDN - Business Service (IBS)	1	
A42.1.1	General	1	
A42.1.2	Terms and Conditions	2	
A42.1.3	Definitions	3	
A42.1.4	Rates and Charges	3	(T)
A42.1.5	Optional Features	5.2	
A42.2	ISDN - Residence Service (IRS) (Obsoleted, see Section A142)	12	
A42.3	Primary Rate ISDN	24	
A42.3.1	General	24	
A42.3.2	Terms and Conditions	25.1	
A42.3.3	Definitions	28	
A42.3.4	Rates and Charges	30	

A42. INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

A42.1 ISDN - Business Service (IBS)

A42.1.1 General

- A.** ISDN - Business Service (IBS) is a new intraLATA group of offerings supported by the Integrated Services Digital Network (ISDN) architecture. IBS supports simultaneous transmission of voice, data, and packet services on the same exchange access line. Calling/Called Number Delivery, Calling Name Delivery, and Call Hold are included with this service. IBS is available where facilities permit.
- B.** Usage Option Plans will be available for various thresholds of local use only on National ISDN lines.
1. Usage Option Plan A - The Basic Local Calling area for Usage Option Plan A will be the LATA boundary. Local usage under Usage Option Plan A will be recorded on originating calls terminating within the LATA. Minutes of use rates will apply for all local usage. This plan is limited to outward only service.
 2. Usage Option Plan B will have unlimited usage inside the Extended Local Calling Area. The Extended Local Calling Area for Usage Option Plan B will be the Basic Local Calling Area plus the Extended Calling Area as described in Section A3.
 3. The following stipulations apply only when the IBS line from which the call originates subscribes to a Usage Option Plan.
 - a. Calls completed with operator assistance within the Basic Local Calling Area and Extended local calling area will be rated at the Usage Option Plan usage charges in addition to the appropriate Operator Assisted Local Call surcharges. Such calls are itemized on the subscriber's billing statement and are billed outside any applicable usage allowances or caps.
 - b. Reduced toll rates as specified in this Section of the *guidebook* will be applied to toll calls outside the Extended Local Calling Area but within the LATA for all calls billed to a IBS line subscribing to Usage Option Plan B. Operator assisted charges as specified in A3 apply to operator handled calls in addition to the usage charges specified.
- C.** All IBS lines in an earning account must be in the same type Plan, i.e., all Flat Rate, Usage Option Plan A's, etc. Hunting between various types of plans will not be allowed.
- D.** IBS provides a new method of access to the network called Basic Rate Access. Basic Rate Access will consist of one or two 64 Kbps (B) channels and one 16 Kbps (D) channel at the service delivery point.
- E.** IBS is provided through Basic Rate Access. Features are available to increase the capability of the Bearer Alternative Service and may be subscribed to on an as-needed basis.
- F.** (DELETED)
- G.** The following parameters may be provided with Packet Switched B channel and D channel Services:
 Each B channel packet terminal will be provided logical channels up to the technical capability of the serving central office. Each logical channel can carry an independent call with throughput of up to 64 Kbps.
 Each D channel packet terminal will be provided logical channels up to the technical capabilities of the serving central office. Each logical channel can carry an independent call with throughput of up to 9.6 Kbps. 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
1. Flow Control Parameter Negotiation - This parameter negotiates on a per call basis the flow control parameters. This consists of automatic negotiation of the maximum packet size and window size for each direction of data transmission.
 2. Throughput Class Negotiation - This parameter allows the calling station to request specific throughput classes in the call request packet for both directions of data transmission.
 3. Recognized Private Operation Agency (RPOA) Selection - This parameter allows an ISDN user to specify an interLATA carrier (IC) for packet-switching on a per-call basis when the customers want it different from presubscribed IC.
- D channels are equipped for Low Speed Packet Switched Data. This allows packet data (X.25) to be transmitted up to 9.6 Kbps on the D channel. Service includes logical channels up to the technical capability of the central office. Multiple packet calls can be active simultaneously by a user on a single D channel. Up to eight data terminals can be supported per Basic Rate Access. Service includes one data number. (M)
- H.** IBS will consist of the following components: (M)
- Basic Rate Digital Subscriber Line (DSL) Access (M)
 - At least one channel, either B or D, must be activated. A maximum of two simultaneous B channels can be in use per Basic Rate Access. (M)
 - Minimum of one and maximum of eight User Profiles per Basic Rate Digital Subscriber Line (DSL) Access Arrangement. (M)
- I.** Grouping Service (Hunting) is available for ISDN Individual Service. (M)
- J.** All circuit Switched B channel services must be either flat or measured. Mixing flat and measured B channel services is not allowed on the same premises except as allowed in Section A2. (M)

A42. INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

A42.1 ISDN - Business Service (IBS) (Cont'd)

(M1)

A42.1.2 Terms and Conditions

- A. Customer Premises Equipment (CPE) that is compatible with the ISDN Interface is the responsibility of the user for provisioning.
- B. The Company will be responsible for publishing and maintaining ISDN Interface Specifications.
- C. The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of Basic Rate Access render any facilities provided by the customer obsolete or require modification or alteration of such equipment or system, or otherwise affect its use or performance.
- D. Suspension of service is not allowed except for IBS lines associated with MultiServ service or MultiServ PLUS service. Suspension at the request of the subscriber will be allowed on the B channel portion of these main station lines at the rates in Section A2. The subscriber may request this suspension for a maximum of three months in succession. Restoration charges will be applicable per line as specified in Section A4.
- E. Service Charges in Section A4 are applicable per Basic Rate DSL access in addition to rates and charges following.
- F. Usage rates, as appropriate for RegionServ, are specified in Section A3. Usage rates for all originating minutes of use under Usage Option Plan A and per minute of use rates for calls outside the Expanded Local Calling Area but inside the LATA for lines equipped with Usage Option Plan B, are specified in this section.
- G. IBS will be available where facilities permit. Combinations of service will be restricted by the limits of the Company central office type and switch load. (M2)
- H. ISDN Residential Service (IRS), in A42.2, is available for use by full-time educational institutions that are eligible for accreditation by the Southern Association of Colleges and Schools. This service is intended for in-classroom use of computers by students to access information databases, shared educational programs and students in other classrooms. Teachers and researchers may also subscribe to this service for on-campus use. These lines shall not be used to replace existing administrative lines. (M2)
 IRS is also available to public libraries including the state library and archives, regional libraries, and public libraries in any county, city or town. (M2)
- I. Each ISDN Basic Rate Access Arrangement will be counted as one line in determining the application of the Service Charges specified in Section A4, and the End User Charges as specified in the End User Common Access Service section of BellSouth Telecommunications, Inc. FCC No. 1, Section 4. (M2)
- J. IBS lines may be purchased out of this Guidebook to be associated with MultiServ service or MultiServ PLUS service, located in A12.20 and A12.21. Terms and conditions for MultiServ service and MultiServ PLUS service will apply to these IBS lines except as otherwise stated in this section. (M2)
 Each ISDN Basic Rate DSL Access Arrangement will be counted as a MultiServ service or MultiServ PLUS service line in determining the total system size. (M2)
 IBS lines associated with MultiServ service or MultiServ PLUS service may purchase Optional Features compatible with ISDN from the MultiServ service Optional Features section of the MultiServ service section of the Guidebook as well as features unique to ISDN from the Optional Features in this section. When a feature is listed in the Optional Feature Sections of both the MultiServ service and IBS offerings, the IBS version of the feature should be ordered. MultiServ Service Feature Groups are not available for use with these IBS lines. (M2)
 IBS lines not associated with a MultiServ service or MultiServ PLUS service may not purchase features from the MultiServ service section of the Guidebook. (M2)
 Only 36-120 month contract periods are available under the Rate Stability Plan¹ in this section for IBS lines associated with MultiServ service or MultiServ PLUS service main station lines. (M2)
- K. IBS served at the customer's request, from a central office other than the central office the subscriber would normally be served from will require interoffice facilities as provided in this section, per DSL. Airline miles between the serving central offices will be used in the mileage calculation for this rate element. (M2)

M1 - Material previously appearing on this page now appears on page(s) 1 of this section.

M2 - Material appearing on this page previously appeared on page(s) 3 of this section.

A42. INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

A42.1 ISDN - Business Service (IBS) (Cont'd)

(M1)

A42.1.3 Definitions

B CHANNEL

A bi-directional synchronous channel capable of supporting 64 Kbps of digital transmission.

D CHANNEL

A 16 Kbps digital signaling channel also capable of supporting 9.6 Kbps of packet information for the Basic Rate Interface.

64 KBPS CLEAR CHANNEL CAPACITY (CCC)

A B channel connection that provides end-to-end digital connection in which all 64 Kbps of bandwidth are available for customer use.

CUSTOM ISDN

Basic Rate ISDN based on vendor proprietary implementation. Features and services which were developed for Custom BRIs require Customer Premises Equipment (CPE) specifically designed to work on that Central Office switch.

NATIONAL ISDN

Basic Rate ISDN based on industry standards. National ISDN standardizes the signaling and operation of BRI across various Central Office switch types. Features and services which are delivered on a National ISDN BRI can be accessed with Customer Premises Equipment built to the National ISDN standards.

A42.1.4 Rates and Charges

(M2)

	Installation Charge	Month to Month	Rate Stability ¹ Monthly Rate		USOC	
			24 - 59 Mos. Plan	60 - 120 Mos. Plan		
A. Interoffice Circuit						(M2)
1. Per DSL Circuit						(M2)
(a) Each, including first mile	\$240.00	\$115.00	\$105.00	\$95.00	M1GNC	(M2)
(b) Each additional mile	-	.45	.40	.35	M1GNM	(M2)
B. Interface						(M2)
1. Basic Rate DSL Access Arrangement/Business Service						(M2)
a. Business Service						(M2)
(1) Per DSL						(M2)
(a) ISDN Access	-	729.70	55.00	55.00	LTBLB	(I)(M2)
(b) ISDN Access (EWSD)	-	729.70	55.00	55.00	LTBEB	(I)(M2)
(2) Per DSL Usage Option Plan A						(M2)
(a) ISDN Access	-	925.50	69.95	69.95	LQ1AA	(I)(M2)
(b) ISDN Access (EWSD)	-	925.50	69.95	69.95	LQ1AC	(I)(M2)
(3) Per DSL Usage Option Plan B						(M2)
(a) ISDN Access	-	3,308.70	249.95	249.95	LQ1BA	(I)(M2)
(b) ISDN Access (EWSD)	-	3,308.70	249.95	249.95	LQ1BC	(I)(M2)
2. Channels Activated						(M2)
a. B Channel (Maximum of 2) ²						(M2)
(1) Circuit Switched Voice/Data, Each						(M2)
(a) Flat Rate	-	217.70	13.25	11.25	LPRFX	(I)(M2)
(b) Measured	-	6.50	5.30	4.10	LPSMX	(M2)
(c) Usage Option Plan A	-	-	-	-	LQLAX	(M2)
(d) Usage Option Plan B	-	-	-	-	LQLBX	(M2)
(2) Circuit Switched Voice/Data, Each for use with MultiServ PLUS service ³						(M2)
(a) Flat Rate	-	12.25	9.35	7.25	MNCCF	(M2)
(b) Measured	-	2.50	1.30	.10	MNCCR	(M2)
Note 1: As of August 31, 2011, Rate Stability Plans are no longer available for new or renewing subscribers.						(M2)
Note 2: On-Demand High Speed Packet B channel requires both Circuit Switched Voice/Data and On-Demand High Speed Packet to indicate one activation.						(M2)
Note 3: These elements may be used only with IBS lines associated with MultiServ PLUS and require Network Access Registers.						(M2)

Page 3.1 is hereby deleted in its entirety and removed from this Guidebook.

(N)

M1 - Material previously appearing on this page now appears on page(s) 2 of this section.

M2 - Material appearing on this page previously appeared on page(s) 3.1 of this section.

A42. INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

A42.1 ISDN - Business Service (IBS) (Cont'd)

A42.1.4 Rates and Charges (Cont'd)

C. Interface Users

1. Per User/Terminal Profile -

	Installation Charge	Month To Month	Rate Stability ¹ Monthly Rate		USOC
			24 - 59 Mos.Plan	60 - 120 Mos.Plan	
a. Terminal Service Profile (EWSD)					
(1) Per Terminal Service Profile					
(a) each	-	-	-	-	EWSTP
b. Access to B Channel CSV/CSD					
(1) Flat Rate (5ESS/DMS)					
(a) each	-	-	-	-	LTQ8Y
(2) Flat Rate (EWSD) ²					
(a) Voice	-	-	-	-	LTQVB
(b) Data	-	-	-	-	LTQDB
(3) Measured Rate - RegionServ (5ESS/DMS)					
(a) without discount	-	-	-	-	LTQ86
(b) Discount Usage Option	\$1.00	\$1.00	\$1.00	\$1.00	LTQ87
(4) Measured Rate - RegionServ (EWSD)					
(a) Without discount – Voice	-	-	-	-	LTQV6
(b) Without discount – Data	-	-	-	-	LTQD6
(a) Discount Usage Option - Voice	1.00	1.00	1.00	1.00	LTQV7
(b) Discount Usage Option - Data	1.00	1.00	1.00	1.00	LTQD7
(5) Usage Option Plans (5ESS/DMS)					
(a) each	-	-	-	-	LQWAE
(6) Usage Option Plans (EWSD) ²					
(a) Voice	-	-	-	-	LQWAV
(b) Data	-	-	-	-	LQWAD
(7) Usage Option Plans - Outward Only (5ESS/DMS)					
(a) each	-	-	-	-	LQWOE
(8) Usage Option Plans – Outward Only (EWSD) ²					
(a) Voice	-	-	-	-	LQWOV (M)
(b) Data	-	-	-	-	LQWOD (M)

Note 1: As of August 1, 2011, Rate Stability Plans are no longer available for new or renewing subscribers.

Note 2: Shares DN with any other bearer service on the same User Profile (5ESS/EWSD).

Page 4.1 is hereby deleted in its entirety and removed from this Guidebook.

(N)