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B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE**B107.1 Reserved For Future Use****B107.1.1 Reserved For Future Use****B107.1.2 Reserved For Future Use****B107.1.3 Rates And Charges****A.** Reserved For Future Use**B107.2 Reserved For Future Use****B107.3 Reserved For Future Use****B107.4 LightGate Service**

(T)

B107.4.1 Reserved for Future Use**B107.4.2 Reserved for Future Use****B107.4.3 Digital Architecture and Definitions****A.** Reserved for Future Use**B.** Definitions**LIGHTGATE SERVICE 2**

(T)

(Obsoleted 11/23/01, Type D) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under B7.4.5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in B7.4.5 as long as the service is at the same location(s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement. In addition, nonrecurring charges will be waived for customers converting their existing service to rates in B7.4.5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated B7.4.5.

The term LightGate 2 service denotes a service which provides extended service capability of multiples of DS3 data rates to the customer. Essentially, it provides three times the potential capacity of LightGate service 1. The associated channelization equipment will permit combinations of DS3, DS1 and DS0 level services in a flexible building block structure. Appropriate electrical signals will be provided in accordance with the specifications of BellSouth Technical Reference #73501. This offering is intended to be a very flexible, link connectable transport service for the very large customer. It has the capability of connecting with individual exchange and private line services, MegaLink channel service, SMARTRing service and/or other LightGate services.

(T)

B107.4 LightGate Service (Cont'd)

(Obsoleted 11/23/01, Type D) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under B7.4.5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in B7.4.5 as long as the service is at the same location(s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement. In addition, nonrecurring charges will be waived for customers converting their existing service to rates in B7.4.5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated B7.4.5.

1. LightGate 1 service System¹ (One DS3 Capacity)

- a. Includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. Additional specific interface equipment is required in the central office and customer premises, as contained in (2) and (3). Mileage charges are as contained in B. Channelization for individual analog and digital services is contained under MegaLink channel service in section B7.3.

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(1) (DELETED)						(D)
(2) Electrical Interface Equipment - Central Office ²						
(a) (DELETED)						(D)
(b) Per DS1 ³	\$150.00	\$14.00	\$10.00	\$10.00	\$10.00	FQA1X (T)
(3) Electrical Interface Equipment - Customer Premises ²						
(a) (DELETED)						(D)
(b) Per DS1 ³	250.00	17.00	13.00	13.00	13.00	FQB1X (T)
Note 1:	Contract lengths are now flexible to allow customer choice of payment period per B2.4.9.					
Note 2:	Month-to-month rates are only available at the end of a contract rate period.					
Note 3:	DS1 capability is only available in groups of 4 DS1s. When existing DS1 capacity is exhausted, the customer must request additional DS1 service in groups of 4 DS1 channels. Each DS1 can transport 24 DS0 channels.					

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE**B107.4 LightGate Service (Cont'd)****B107.4.4 Rates And Charges (Cont'd)****A. Basic LightGate Service (Cont'd)****2. LightGate 2 service System¹ (Three DS3 Capacity)**

- a. Includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. Additional specific interface equipment is required, as contained in (1) (b). Where channelization is desired to provide DS1 and DS0 channels, then a DS3/DS1 multiplexer must also be utilized in the central office and/or at a customer's premises, as contained in (2) and (3). Mileage charges are as contained in B. Channelization for individual analog and digital services is contained under MegaLink channel service in section B7.3.

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(1) LightGate 2 service Basic System ²						
(a) (DELETED)						
(b) Per DS3 Electrical Interface ³	\$1,100.00	\$100.00	\$80.00	\$80.00	\$80.00	FQD4X
(2) DS3/DS1 Multiplexers - Central Office ²						
(a) Per DS3/DS1 Multiplexer ^{4,5}	500.00	660.00	560.00	540.00	520.00	VUM35
(b) Per DS1 Electrical Interface ⁶	150.00	14.00	10.00	10.00	10.00	FQA1X
(3) DS3/DS1 Multiplexers - Customer Premises ²						
(a) Per DS3/DS1 Multiplexer ⁵	500.00	720.00	620.00	600.00	580.00	VUM3C
(b) Per DS1 Electrical Interface ⁶	250.00	17.00	13.00	13.00	13.00	FQB1X

Note 1: Contract lengths are now flexible to allow customer choice of payment period per B2.4.9.

Note 2: Month-to-month rates are only available at the end of a contract rate period.

Note 3: This includes both central office and customer premises equipment. Each LightGate 2 service System can support a maximum of three DS3 signals.

Note 4: This DS3/DS1 multiplexer is suitable for use separately with interoffice channel links as appropriate.

Note 5: Each DS3/DS1 multiplexer requires DS1 electrical interface equipment and can accommodate a maximum of 28 DS1 signals. Automatic protection switching of a DS3 electronic signal is included with the multiplexer.

Note 6: DS1 capability is only available in groups of four DS1s. When existing DS1 capacity is exhausted, the customer must request additional DS1 service in groups of four DS1 channels. Each DS1 can transport 24 DS0 channels.

(D)

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

B107.4 LightGate Service (Cont'd)

B107.4.4 Rates And Charges (Cont'd)

B. Mileage Charges

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
1. Local Channels ¹ (for LightGate 1 and 2 service)						
(a) First one-half mile (Included in System Charge)	-	-	-	-	-	NA
(b) Each additional one-half mile	-	\$ 450.00	\$ 395.00	\$ 375.00	\$ 355.00	1LDP3

(DELETED)

(D)

C. (DELETED)

D. (DELETED)

E. (DELETED)

F. (DELETED)

G. (DELETED)

H. (DELETED)

I. Route Diversity

Customer rates and charges for physical route diversity will be negotiated on an individual case basis.

Note 1: Contract lengths are flexible to allow customer choice of payment period per B2.4.9.

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE**B107.5 MegaLink ISDN Service**

(Obsoluted 10/30/96. Type D) Not available for new installations or moves of service to a different premises. No additions or rearrangements to existing service allowed. Upon expiration of existing contracts MegaLink ISDN service can only be retained on a month-to-month payment plan basis.

B107.5.1 General

- A. MegaLink ISDN service is an intraLATA group of offerings supported by the Integrated Services Digital Network (ISDN) architecture. (T)
- B. MegaLink ISDN service provides a method of access to the telephone network called Primary Rate Access. Primary Rate Access is an ISDN based, DS1 access link to the telecommunications network and provides integration of multiple voice and data transmission channels on the same line. The service will initially provide connectivity between an ISDN PBX or other ISDN compatible CPE and a serving central office. The basic channel structure for Primary Rate Access is twenty-three 64 Kbps (B) channels and one 64 Kbps (D) channel. Options are available for any or all of the B channels. These channels may be used to connect the customer's CPE to the Public Circuit Switched Network (e.g. outward, inward and two-way trunks, and WATS/800 Service access lines). (T)
- C. MegaLink ISDN service is a service for the transmission of digital signals only. Clear Channel Capability and Extended Superframe Format are inherent to the service. (T)
- D. Unless specified following, the *Terms and Conditions* for MegaLink ISDN service specified herein apply in addition to the *Terms and Conditions* set forth in Section B2. (T)
- E. MegaLink ISDN service is provided within a LATA from wire centers where appropriate ISDN facilities are available as determined by the Company. In addition, when exchange services are desired, wire centers must offer usage based pricing. Service inquiries will be necessary to determine availability. Special Construction charges will apply as specified in B7.1. (T)

B107.5.2 Terms and Conditions

- A. Customer Premises Equipment (CPE) that is compatible with the MegaLink ISDN service interface is the responsibility of the user for provisioning. (T)
- B. The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of Primary Rate MegaLink ISDN service 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. (T)
- C. Digital transmission rates at speeds less than those indicated may be accomplished as a function of the particular CPE furnished by the user. (T)

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

B107.5.2 Terms and Conditions (Cont'd)

- D. Suspension of service is not allowed. (T)
- E. *Terms and Conditions* for Allowance of Interruptions apply as specified in Section A2 of the General *Exchange Guidebook* and Section B2 of this *Guidebook*. (T)
- F. Service Order Charges in Section A4 of the General *Exchange Guidebook* do not apply. (T)
- G. Minimum subscription period for which month-to-month MegaLink ISDN services are furnished and for which charges are applicable is one month. (T)
- H. In addition to month-to-month rates, MegaLink ISDN service is available under contractual rate periods based on lengths of twenty-four to forty-eight months, forty-nine to seventy-two months, or seventy-three to ninety-six months. (T)
- I. Local exchange services utilizing the MegaLink ISDN service Primary Rate Interface are available as specified in A3 of the General *Exchange Guidebook*. (T)
- J. WATS/800 services utilizing the MegaLink ISDN Service Primary Rate Interface are available in section A19 of the General *Exchange Guidebook*. (T)
- K. Verification and Emergency Interrupt service is not available for MegaLink ISDN services. (T)
- L. Upgrades, from a MegaLink service and/or a MegaLink channel service contract arrangement, are permitted with no Termination Liability charges when: (T)
 - 1. a new contract is selected for the MegaLink ISDN service equal to or greater than the arrangement being terminated, and (T)
 - 2. the service orders to disconnect the MegaLink service and/or the MegaLink channel service arrangement and to install the MegaLink ISDN service are related together and received by the Company at the same time with no lapse of service. (T)
- M. Telephone numbers transmitted via the Optional Incoming Call Identification feature are intended solely for the use of the MegaLink ISDN service subscriber. Resale of this information is prohibited by this *Guidebook*, except the callers' numbers may be provided to the subscriber's client for those calls sponsored or provided by that client where the client's identity is disclosed to the caller and the client agrees not to distribute such information to others. (T)
- N. Non-facility Associated Signaling (NFAS) provides the capability to serve multiple DS1's over a single D channel (NB+D). This feature can be ordered where switch capabilities exist as stipulated in the vendor technical documentation. When NFAS is selected, the customer will order one MegaLink ISDN service arrangement with twenty-three B channels and 1 D channel. Additional MegaLink ISDN service arrangements are ordered with twenty-four B channels at rates and charges provided in B107.5.6.D. The D channel activated on the initial arrangement serves the additional MegaLink ISDN arrangements. If the customer desires, he may also request a back-up D channel with the NFAS option (NB+2D). It is recommended that D channels be provisioned in separate MegaLink ISDN service arrangements. (T)
- O. When a customer's normal serving central office is not equipped to provide MegaLink ISDN service, the customer may be served from an equipped central office without incurring interoffice charges. MegaLink ISDN service customers to be served under this arrangement must sign an agreement the service will be moved back to the normal serving central office and to a probable number change when/if that office is equipped with ISDN. (T)

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

(T)

B107.5.3 Definitions

B CHANNEL

A bidirectional synchronous channel capable of supporting 64 Kbps of digital transmission.

D CHANNEL

A 64 Kbps digital signaling only channel for call establishment when used with Primary Rate Access.

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.

THIRTY-SIX MONTH TERM PAYMENT PLAN

Payment periods may be selected from twenty-four months to forty-eight months in length at thirty-six month rates and charges.

SIXTY MONTH TERM PAYMENT PLAN

Payment periods may be selected from forty-nine months to seventy-two months in length at sixty month rates and charges.

EIGHTY-FOUR MONTH TERM PAYMENT PLAN

Payment periods may be selected from seventy-three to ninety-six months in length at eighty-four month rates and charges.

B107.5.4 Application of Rates

- A.** MegaLink ISDN service Primary Rate Access Lines furnished between a Serving Wire Center and the customer's premises will be charged at rates based on the first 1/2 mile and each additional 1/2 mile for the airline distance measured between the customer's premises and the customer's Serving Wire Center. (T)
- B.** Interoffice Channels furnished between central offices will be charged at rates based on airline distance between the central offices.
- C.** MegaLink ISDN service is available on a month-to-month basis or under variable rate periods, with rates based on length of twenty-four to forty-eight months, forty-nine to seventy-two months, or seventy-three to ninety-six months under conditions specified in the Channel Services Payment Plan in B2.4 except as modified following. (T)
- D.** MegaLink ISDN service rates under any Term Payment Plan are exempt from Company-initiated changes for the payment period selected. Rates in effect at the time the service is installed and/or as of the service order application date, will be applicable until the contract expires. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current rates or revert to current rates on a month-to-month basis. (T)
- E.** A Termination Liability Charge is applicable at the date of termination. The applicable charge is dependent on the contract period subscribed to and will be equal to the number of months remaining in the contract times the monthly rate provided under the contract.
- F.** Airline distance between Company central offices shall be developed using the methodology found in B3.3.3. Fractional mileage shall be rounded up to the next full mile. (T)
- G.** Nonrecurring charges will not be applicable for the Primary Rate Access Line or Interoffice Channel facilities when upgrading an existing MegaLink service to a MegaLink ISDN service. (M)

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

B107.5.5 Service Components

- A. The customer may choose any number of channels up to twenty-three per Primary Rate Interface to be active with a corresponding number of services (e.g. inward/outward trunks, WATS Lines, 800 Service) selected. The customer may also choose to have more services selected than channels available for specific applications. The total number of communication paths may not exceed the number of channels subscribed. (T)
- B. The required components for MegaLink ISDN service will be as follows: (T)
 - Primary Rate Access Line
 - Primary Rate Interface
 - Primary Rate B Channels
 - Call-by-Call/Integrated Service Access Feature Capability
 - Network Access and Usage Charges where applicable
 1. Primary Rate Access Line - will provide a four-wire access loop from the customer premises to the serving wire center. The transmission characteristics of this loop support Clear Channel Capability and Extended Superframe Format (ESF).
 2. Interoffice Channels - will provide for the transmission facilities between Company serving wire centers within a LATA.
 3. Primary Rate Interface - provides central office multiplexing to support twenty-three B channels at 64 Kbps and one D channel for signaling also at 64 Kbps
 4. Primary Rate B Channels - will provide circuit switched service that will allow either voice or data transmission at up to 64 Kbps. When Non-facility Associated Signaling (NFAS) is ordered, the Primary Rate Interface can provide up to twenty-four B channels at 64 Kbps.
 - a. Monthly rates for Primary Rate B Channels will depend on the associated option selected by the customer. Options available are as follows:
 - Usage Sensitive Billing - for customers selecting usage sensitive billing for their use of the local exchange circuit switched network. Customers selecting this option will be billed for local exchange service in accordance with Network Access Service (NAS) rates and charges found in A3.26 of the General *Exchange Guidebook* for all ISDN and non-ISDN facilities terminated at the same premises. Primary rate channels associated with this option are designated as usage sensitive B Channels in B107.5.6.D. (T)
 - Usage Surcharge Billing - for customers selecting flat rate billing for their use of the local exchange switched network. Customers selecting this option will be billed for local exchange service in accordance with flat rate Network Access Register (NAR) rates and charges found in A3.12 of the General *Exchange Guidebook* for their ISDN facilities. Primary Rate Channels associated with this option are designated as flat rate B channels in B107.5.6.D.
 - b. Voice calls may be completed to both ISDN and non-ISDN lines.
 - c. Data Transmission on the B channel will be circuit switched at 64 Kbps within the switch and between ISDN compatible central offices. ISDN interconnection to non-ISDN equipped central offices may be potentially subjected to analog transmission or sub-rated to 56 Kbps.
 - d. The customer may choose to subscribe to additional non-exchange based services. Initial choices for these services will be WATS and 800 Service. The subscription to these services is in addition to the charges for MegaLink ISDN service. (T)
 5. Call-by-Call/Integrated Service Access Feature Capability - This feature will allow the customer to dynamically allocate the use of channels for the MegaLink ISDN service. The customer may also choose voice or data transmission on a per call basis. In addition, the customer may also choose to subscribe to more services than channels and dynamically change the services in use. (T)
 6. Network Access and Usage Charges - Network Access for MegaLink ISDN service is based upon the type of service the customer desires. Exchange access is provided as specified in A3 of the General *Exchange Guidebook*. Customers electing WATS or 800 service will obtain service access in Section A19 of the General *Exchange Guidebook*. (T)
- C. Incoming Call Identification - This optional feature provides the customer with the telephone number of the calling party. Incoming call identification is provided via the D Channel associated with incoming calls on a B channel(s) to a PBX. Optional Calling Number Delivery Blocking is available as set forth in A13.19 of the General *Exchange Guidebook*. (T)

B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

B107.5.6 Rates and Charges

- A. All usual and applicable Service Connection Charges and Nonrecurring Charges as specified in the General ***Exchange Guidebook***, and Access Services Tariff apply to the activation, move or change of channel equivalents within MegaLink ISDN service packages as well as for installation of the basic system. Suspension of service is not permitted with MegaLink ISDN service. (T)

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B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE**B107.5 MegaLink ISDN Service (Cont'd)**

(T)

B107.5.6 Rates and Charges (Cont'd)**E. Optional Features****(1) Incoming Call Identification Per Incoming or Two-Way Service**

		Month To	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
	Nonrecurring Charge	Month	Months	Months	Months		
(a)	1 - 8 Services, each	-	\$35.00	\$25.00	\$25.00	\$25.00	NUBC1 (T)
(b)	9 - 15 Services, each	-	28.00	20.00	20.00	20.00	NUBC2 (T)
(c)	16 or more Services, each	-	21.00	15.00	15.00	15.00	NUBC3 (T)

F. Move Charge

A move charge, per MegaLink ISDN service, applies for each Primary Rate Access Line moved to a new location in the same building. This move charge is equal to the sum of the Primary Rate Access Line Nonrecurring Charge, Service Change Charge - Inside Moves, and Premises Visit Charge.

(T)

G. Service Connection Charges

1. Service Establishment Charges are applicable, for each MegaLink ISDN service ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These charges include engineering design, common centralized testing and coordination.
2. Service Change Charges are applicable for receiving and recording information and/or taking action in connection with a customer's inside move or transfer of service responsibility request, for processing the necessary data on an existing MegaLink ISDN service. A Service Change Charge is applicable for each Primary Rate Access Line associated with the customer request (in lieu of a Service Establishment Charge).
3. Premises Visit Charges are applicable, per Primary Rate Access Line, for the termination of a channel at a customer's premises or for inside moves. Only one Premises Visit Charge applies for customer premises work done subsequent to the initial service establishment.

(T)

4. Charges for MegaLink ISDN Service

(T)

		Nonrecurring Charge	USOC	
a.	Service Establishment Charge			
(1)	Per MegaLink ISDN (DS1) service			(T)
(a)	Each	\$350.00	NRCPA	
b.	Service Change Charge			
(1)	Per MegaLink ISDN (DS1) service			(T)
(a)	For service changes and/or inside moves, each	375.00	NRCPM	
(b)	Per transfers of responsibility, each	180.00	NRCPT	
c.	Premises Visit Charge ¹			(T)
(1)	Per Primary Rate Access Line or for an Inside Move			
(a)	Per visit	25.00	NRCPC	

Note 1: This charge is applicable for work done subsequent to the initial service establishment.

(T)