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**B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE****B107.1 Reserved for Future Use****B107.2 SynchroNet Service**

(T) Obsoleted 08-04-93, Type 4) The provision of SynchroNet service will be continued for circuits in place as of August 4, 1993, under the following guidebook. Additions to SynchroNet service arrangements being provided from B107.2 must be made from B107.2. New circuits, not directly connected to the original SynchroNet service arrangement provided from B107.2, that are established on or after August 4, 1993, will be provided from B7.2. Customers with existing SynchroNet service arrangements provided from B107.2 may move a portion of that arrangement. In such case, the customer's arrangement will continue to be provided from B107.2. Nonrecurring charges do not apply for customers desiring to change existing service from B107.2 to B7.2.

**B107.2.1 General**

- A. SynchroNet service is furnished for IntalATA Communications by the Company.
- B. The service is provided for the transmission of digital signals only and is furnished only via digital transmission facilities.
- C. SynchroNet service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6 and 56 Kbps between customer locations where appropriate digital facilities for this service are available as determined by the Company.
- D. Multipoint Service and/or Secondary Channel capability may not be available in all SynchroNet service locations.
- E. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the channel facility provided by the Company.
- F. Unless specified following, the terms and conditions for SynchroNet service specified herein apply in addition to the terms and conditions set forth in Section B2. preceding.
- G. The rates specified for SynchroNet service are in B107.2.3 following. The Company will provide a digital facility over existing interoffice carrier equipment and/or transmission facilities compatible with SynchroNet service.

**B107.2.2 Terms and Conditions**

- A. Description of Service
  - 1. Service is furnished for the simultaneous two-way transmission of digital signals at synchronous rates of 2.4, 4.8, 9.6 and 56 Kbps between two or more points located within a LATA.
  - 2. Service is furnished for duplex operation only. This service may also be furnished on a link (partial channel) basis when connected to FlexServ service and/or Megalink channel service.
  - 3. A minimum initial service period of three months is required.
  - 4. The design, maintenance and operation of SynchroNet service contemplates communications originating or terminating at stations of the customer or user. While connections to communications systems provided by others may be made on a permissive basis as provided for in Section B2., the Company does not represent this service as adapted for such connections, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections.
  - 5. A Channel Service Unit provided by the customer is required at a customer's or authorized user's premises to perform such functions as:
    - proper termination of the service
    - amplification

## B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

## B107.2 SynchroNet Service (Cont'd)

## B107.2.2 Terms and Conditions (Cont'd)

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## A. Description of Service (Cont'd)

## 5. (Cont'd)

- signal shaping
- remote loop-back

## B. Definitions

## CHANNEL SERVICE UNIT

The term "Channel Service Unit" (CSU) denotes equipment provided by the customer to terminate a digital facility on the customer's premises or other carrier's premises.

## DIGITAL INTERMODAL CHANNEL

The term "Digital Intermodal Channel" denotes a path (or paths) for digital transmission between Node Central Offices within a LATA. An intermodal channel may be furnished in such a manner as the Company may elect.

## DIGITAL INTEROFFICE CHANNEL

The term "Digital Interoffice Channel" denotes a path (or paths) for digital transmission between Serving Wire Centers and Node Central Offices, within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

## DIGITAL LOCAL CHANNEL

The term "Digital Local Channel" denotes a path for SynchroNet service furnished from the Serving Wire Center to the demarcation point on the customer's premises.

## MULTIPOINT SERVICE

The term "Multipoint Service" denotes a service which provides communications capability between more than two points by means of a bridging or hubbing arrangement. For the provision of SynchroNet service, the bridging or hubbing arrangement shall be located at the same Node Central Office.

## NODE CENTRAL OFFICE

The term "Node Central Office" denotes that physical location the Company has designated as a test, maintenance and monitoring center to service one or more Serving Wire Centers. There may be more than one Node Central Office within a LATA.

## POINT

A point is a location on the customer's or user's premises at which a Digital Local Channel is terminated. Each SynchroNet service point requires service from a Node Central Office.

## SECONDARY CHANNEL CAPABILITY

The term "Secondary Channel Capability" denotes the offering of a companion digital transmission capability over the same physical facility as the primary channel at a lower bit rate. Terminal equipment required to support secondary channel capability must be provided by the customer.

## SERVING WIRE CENTER

The term "Serving Wire Center" denotes the local telephone central office assigned to subscribers in a well defined area. A Serving Wire Center may be further designated by the Company as a Node Central Office.

## C. Method of Applying Rates

1. A Digital Local Channel is furnished between a Serving Wire Center and the demarcation point on the customer's premises. The rate is based on 1/2 mile increments, or fraction thereof, for the airline distance measured between the Serving Wire Center and the customer's premises.

## B107.0 OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

## B107.2 SynchroNet Service (Cont'd)

## B107.2.2 Terms and Conditions (Cont'd)

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## C. Method of Applying Rates (Cont'd)

2. A Serving Wire Center Termination charge is applicable for each Digital Local Channel to cover those fixed charges to terminate each local channel in the Company's Wire Center.
3. Node Termination charges are applied to each termination within the Node Central Office. A charge is applicable for each Local Channel or equivalent.
4. A Digital Interoffice Channel will be required when a Digital Local Channel terminates in a Serving Wire Center that is not a Node Central Office. The rate is based on airline mileage, or fraction thereof, between the Serving Wire Center and the Node Central Office.
5. An Internodal Channel will be required between Nodes when a customer has a requirement to connect premises located in separate Nodal Service Areas. The rate is based on airline mileage, or fraction thereof, between Node Central Offices.<sup>1</sup>
6. A airline distance between Company central offices shall be developed using methodology and Vertical (V) and Horizontal (H) coordinates contained in the National Exchange Carrier Association (NECA) Tariff FCC C. No. 4. Fractional miles are to be rounded up to the next full mile.

## D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to SynchroNet service when such a connection is made in accordance with the provision specified in 2. and 3. following.

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2. The responsibility of the Company shall be limited to the furnishing and maintenance of service to a network interface on the customer's or user's premises where provision is made for the connection of local service. If the customer requires a different location in the same building, it can be provided under B107.2.3.D. The customer or user is responsible for installing and testing his premises equipment or facilities to insure that when they are connected with the SynchroNet service such equipment or facilities are operating properly.

3. The customer responsibility shall include cooperative testing with the Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer or user will be responsible for all expenses incurred in changes to their premises equipment.

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4. The customer shall be responsible for payment of a service charge, as set forth in Section B2, for visits by the Company to the premises of the customer or user where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer or user.

5. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems.

## a. The following provisions will apply:

- (1) Customer-Provided Terminal Equipment, Customer-Provided Communications Systems may be connected at the premises of the customer or user to SynchroNet service.

Note 1: When more than one Node Central Office is required, mileage will be calculated from the customer's designated Serving Wire Center to the first Node, from that Node to the subsequent Node, then to the Remote Serving Wire Center.

**B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE****B107.2 SynchroNet Service (Cont'd)****B107.2.2 Terms and Conditions (Cont'd)****D. Connections (Cont'd)****5. (Cont'd)****a. The following provisions will apply: (Cont'd)**

(2) The customer or user, by use of its own derivation equipment, may create digital bit streams from SynchroNet service. Such equipment may be connected for transmission of such bit streams when connected thru a customer-provided CSU.

**b. Connections to Other Services Furnished by the Company to the Same Customer**

SynchroNet service as furnished by the Company may be connected to another service or to other services furnished by the Company as specified following:

(1) At the premises of the customer or user to Series 2000 analog data channels furnished under the rates, terms and conditions in this Guidebook.

**c. Connections to other services furnished by the Company to different customers**

SynchroNet service as furnished by the Company to a customer may be connected at the premises of the customer or user to other services furnished by the Company to different customers as specified in D.2. preceding.

**d. Connection of Channel Service Units**

A Channel Service Unit (CSU) must be provided by the customer to connect a Company-provided digital facility. In accordance with Part 68 of the FCC's Rules and Regulations, new grandfathered CSUs may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered CSUs may be connected to Company-provided digital facilities.

Grandfathered CSU equipment must comply with the requirements outlined in the Technical Reference Publication #62310, dated September, 1983. This publication is now available from Publishers' Data Center, Inc., P.O. Box C738, Pratt Street Station, Brooklyn, New York 11205. Registered technical requirements for CSUs are outlined in Part 68 of the FCC's Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D.C. 20054.

**e. Responsibility of the Company**

(1) The Company shall not be responsible for installation, operation or maintenance of any terminal equipment or communications systems provided by a customer or user. SynchroNet service is not represented as adapted to the use of such equipment or system. Where such equipment or system is connected to Company facilities the responsibility of the Company shall be limited to the furnishing of facilities suitable for SynchroNet service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for:

- the through transmission of signals generated by such equipment or system, or for the quality of, or defects in such transmission or
- the reception of signals by such equipment or systems, or
- damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.

**B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE****B107.2 SynchroNet Service (Cont'd)****B107.2.2 Terms and Conditions (Cont'd)**

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**D. Connections (Cont'd)****5. (Cont'd)****e. Responsibility of the Company (Cont'd)**

- (2) The Company shall not be responsible to the customer or user if changes in any of the facilities, operations or procedures of the Company utilized in the provision of SynchroNet service render any facilities or equipment provided by a customer or user obsolete, or require modification or alteration of such equipment or system, or otherwise affects its use or performance.
- (3) The Company undertakes to maintain and repair the facilities which it furnishes. The customer or user may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.
- (4) The Company has set a design objective of 99.5 percent error free seconds of operation at all speeds with SynchroNet service.

**E. Payment Arrangements and Credit Allowance**

1. The minimum period for which service is furnished and for which charges are applicable is three months.
2. Suspension of service is not allowed.
3. When service is interrupted due to causes other than the negligence of the customer or user, or the failure of facilities furnished by the customer or user, a credit allowance will be made upon request for the portion of the service which is affected. For the purpose of determining the amount of allowance every month is considered to have thirty days and only those stations on the interrupted portions of a service shall be considered in determining the number of stations affected. All such credit allowances shall begin from the time of notice by the customer or user to the Company that an unsatisfactory performance level has occurred, provided that the customer or user promptly releases the service as requested by the Company to perform testing and maintenance.
  - a. Interruptions of less than three hours - no credit is applied.<sup>1</sup>
  - b. Interruptions of three hours or over are credited to the customer at the proportionate monthly charge in half-hour multiples for each half-hour or major fraction thereof of interruption.
  - c. Interruption for a period of twenty-four hours or more, credit is allowed for the proportionate part of the monthly charge in multiples of one day for each twenty-four hours or major fraction thereof of interruption for the portion of the service affected by the interruption.

Note 1: Two or more interruptions of thirty minutes or more, during any period up to, but not including three hours, shall be considered as one interruption.

## B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

### B107.2 SynchroNet Service (Cont'd)

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#### B107.2.3 Rates and Charges

##### A. Service wholly within the same LATA

1. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. Charges are based on the airline distance between the Serving Wire Center and the customer's premises. Digital Local Channel Monthly rates are per 1/2 mile, or fraction thereof. The Digital Local Channel nonrecurring charge is per local channel.

		Nonrecurring Charge	Monthly Rate	USOC
(a)	2.4 Kbps	\$158.75	\$9.15	1LD2Z
(b)	(DELETED)			
(c)	9.6 Kbps	158.75	10.25	1LD9Z
(d)	56.0 Kbps	183.00	11.80	1LD5Z

2. A Serving Wire Center Termination is required in the Company's Local Central Office. Serving Wire Center Termination per local channel, each.

(a)	2.4 Kbps	58.00	28.90	SYN24
(b)	4.8 Kbps	58.00	29.05	SYN48
(c)	9.6 Kbps	58.00	29.05	SYN96
(d)	56.0 Kbps	67.75	44.05	SYN56

3. A Node Channel Termination is required at the Company's Node Central Office. Node Channel Termination per local channel or equivalent, each.

(a)	2.4 Kbps	84.25	19.35	2UN24
(b)	4.8 Kbps	84.25	19.35	2UN48
(c)	9.6 Kbps	84.25	19.35	2UN96
(d)	56.0 Kbps	94.00	29.05	2UN56

4. A Digital Interoffice Channel is furnished between serving wire centers and the Node Central Office(s). Digital interoffice channel, each airline mile or fraction thereof.<sup>1</sup>

(a)	2.4, 4.8, or 9.6 Kbps	-	1.45	1LN+X
(b)	56.0 Kbps	-	2.90	1LN5X

##### B. Internodal IntraLATA arrangements as required to provide service.

1. Internodal Channels are required between Node Central Offices within the same LATA. Internodal Channel each airline mile, or fraction thereof.<sup>1</sup>

(a)	2.4, 4.8 or 9.6 Kbps	-	1.45	1LN+P
(b)	56.0 Kbps	-	2.90	1LN5P

##### C. Service Options

1. Multipoint Service, per local or interoffice channel bridged<sup>2</sup>

(a)	2.4, 4.8 or 9.6 Kbps	29.00	24.20	6BN
(b)	56.0 Kbps	48.50	33.85	6BN

**Note 1:** Refer to the National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4 for mileage measurement methodology and wire center Vertical (V) and Horizontal (H) coordinates.

**Note 2:** Not available at all service locations.

## B107. OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE

## B107.2 SynchroNet Service (Cont'd)

## B107.2.3 Rates and Charges (Cont'd)

## C. Service Options (Cont'd)

## 2. Secondary Channel Capability, per local channel

	Nonrecurring Charge	Monthly Rate	USOC
(a) Each <sup>1,2,3</sup>	\$58.00	\$14.50	

## D. Service Connection Charges

- Service Ordering Charges are applicable, per service order, for receiving and recording information and/or taking action in connection with a customer's request and processing the necessary data. These charges include the engineering design function. Only one Service Ordering Charge applies for, (1) a two-point channel service or (2) more than one channel service ordered and installed at the same time of the same type for termination at the same premises.
- Premises Visit Charges are applicable, per Digital Local Channel, for the termination of a channel within the same building or for inside moves. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated at the same premises at the same time.
- Channel Connection Charges are applicable for the connection and testing of Digital Local Channels, Serving Wire Center Terminations, Node Terminations and for Inside Moves. The charges applied are those nonrecurring charges associated with this service. Connection charges for moving a channel termination from one point within a building to another point within the same building (Inside Moves) are per termination and are as specified in 5. following.
- Changes

Changing from one type of service to another type of service is considered as a disconnect and a new connect.

Customer required changes of data transmission rate for a SynchroNet service, subsequent to initial installation and where no premises visit is required, will not be treated as a change of service. One-half of the standard Nonrecurring Channel Connection Charges as outlined under B107.2.3 A., B, and C will be applicable for these data transmission rate changes.

## 5. Charges for SynchroNet service

## a. Service Ordering Charge

## (1) Per Service Order

	Nonrecurring Charge	USOC
(a) Point-to-Point Service	\$186.75	NA
(b) Multipoint Service	234.25	NA
(c) Inside Moves	122.00	NA

Note 1: Not available at all service locations.

Note 2: This option cannot be provided where 56.0 Kbps repeaters are required for digital local channels.

Note 3: Nonrecurring charge is applicable only if Secondary Channel service is being added subsequent to the installation of basic service.

## B 107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

## B 107.2 SynchroNet Service (Cont'd)

## B 107.2.3 Rates and Charges (Cont'd)

## D. Service Connection Charges (Cont'd)

## 5. Charges for SynchroNet service (Cont'd)

a. Service Ordering Charge (Cont'd)  
(1) Per Service Order (Cont'd)

	Nonrecurring Charge	USOC
d. Secondary Channel Capability		NA
b. Premises Visit Charge		
(1) Per Digital Local Channel or for an Inside Move		
a. Per Visit	\$38.75	NA
c. Connection Charge		
(1) Per Inside Move		
a. Each Termination	122.00	NA

## B 107.3 Reserved For Future Use

## B 107.4 LightGate Service

## B 107.4.1 Reserved for Future Use

## B 107.4.2 Reserved for Future Use

## B 107.4.3 Digital Architecture and Definitions

## A. Reserved for Future Use

## B. Definitions

## LIGHTGATE 2

(Obsoleted 11/30/01, Type D) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under section B 7.4.5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in section 7.4.5 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 section B 7.4.5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated in section B 7.4.5.

This service provides extended service capability of multiples of DS3 data rates to the customer. Essentially, it provides three times the potential capacity of LightGate 1. The associated channelization equipment will permit combinations of DS3, DS1 and DS0 level services in a flexible building block structure. Automatic protection switching capability is inherent in this service. Appropriate electrical signals will be provided in accordance with the specifications of 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.

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## B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

## B107.4 LightGate Service (Contd)

B107.4.4 Rates and Charges<sup>1</sup>

(Obsoleted 11/30/01, Type D) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under section B7.4.5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in section 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 section B7.4.5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated in section B7.4.5.

## A. Basic LightGate Service

## 1. LightGate 1 System (One DS3 Capacity)

a. Includes photonic common equipment and first one-half mile of local channel fiber optic facilities. Additional specific interface equipment is required in the central office (CO) and customer premises, as contained following. Mileage charges are as contained in B. following.

## (1) LightGate 1 System

		Nonrecurring Charge	Month	24 to 48	49 to 72	73 to 96	USOC
(a)	Per System	\$800.00	\$1,800.00	\$1,550.00	\$1,400.00	\$1,250.00	H FQ 4N
(b)	Per Central Office DS3 Interface <sup>2</sup>	225.00	115.00	90.00	80.00	70.00	FQA 4X
(c)	Per Central Office DS1 Interface	170.00	12.00	8.00	7.00	6.00	FQA 1X
(d)	Per Customer Premises DS3 Interface <sup>2</sup>	300.00	115.00	90.00	80.00	70.00	FQB 4X
(e)	Per Customer Premises DS1 Interface	250.00	17.00	13.00	11.50	10.00	FQB 1X

## 2. LightGate 2 System (Three DS3 Capacity)

a. Includes photonic common equipment and first one-half mile of local channel fiber optic facilities. Additional specific interface equipment is required, as contained following. Mileage charges are as contained in B. following.

## (1) LightGate 2 System

(a)	Per System	800.00	3,760.00	3,200.00	2,900.00	2,600.00	H FQ 5N
(b)	Per Central Office DS3 Interface <sup>2</sup>	225.00	115.00	90.00	80.00	70.00	FQA 4X
(c)	Per Central Office DS1 Interface	170.00	12.00	8.00	7.00	6.00	FQA 1X
(d)	Per Customer Premises DS3 Interface <sup>2</sup>	300.00	115.00	90.00	80.00	70.00	FQB 4X
(e)	Per Customer Premises DS1 Interface	250.00	17.00	13.00	11.50	10.00	FQB 1X

Note 1: Month to month rates are only available at the end of a contract rate period.

Note 2: DS3 capability is provided where the customer does not desire channelization to DS1 channel levels. This interface should not be provided where DS1 level signals are provided at that system's termination point. However, if a DS3 signal is extended from the LightGate System local to a remote central office, a DS3/DS1 multiplexermay be ordered at the remote CO, per DS3 channel, to derive DS1 channels at rates contained in B.2.(c) following.

**B107. OBSOLETE SERVICE OFFERING - 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 (for LightGate 1 and 2 Systems <sup>1</sup> )						
(a) First one-half mile (Included in System Charge)		-	-	-	-	NA
(b) Each additional one-half mile		-	\$220.00	\$180.00	\$165.00	\$150.00
2. Interoffice Channels (Automatic protection switching of DS3 data rates is assured in interoffice facilities.) <sup>1</sup>						
(a) <b>(DELETED)</b>						(D)
(b) Per DS3, each additional mile		-	110.00	90.00	80.00	70.00
(c) <b>(DELETED)</b>						(D)
(d) Per DS1 Interface	170.00		12.00	8.00	7.00	6.00
						(M)

**Note 1:** Month to month rates are only available at the end of a contract rate period.

## B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

## B107.5 Megalink ISDN Service (Cont'd)

## B107.5.1 General (Cont'd)

- 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. Customers may activate any number of B channels from one to twenty-three. These B 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). Megalink ISDN service may not be extended to Centrex Type Services or ESSX ISDN service.
- 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.
- 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.
- E. Megalink ISDN service is provided within a LATA from wire centers where appropriate ISDN facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction charges will apply as specified in B7.1.1.F.

## 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.
- 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.
- C. Digital transmission rates at speeds less than those indicated may be accomplished as a function of the particular CPE furnished by the user.
- D. Suspension of service is not allowed.
- E. Terms and conditions for Allowance of Interruptions apply as specified in Section A2. of the General Exchange Guidebook and Section B2.
- F. Minimum subscription period for which month-to-month Primary Rate services are furnished and for which charges are applicable is one month.
- G. 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.
- H. Local exchange services utilizing the Megalink ISDN service Primary Rate Interface are only available with Network Access Register (NAR) Packages located in Section A3. of the General Exchange Guidebook.
- I. Rates for intraLATA WATS/800 service can be found in North Carolina's Non-Regulated Services - Pricing publication.

**B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE****B107.5 Megalink ISDN Service (Cont'd)****B107.5.2 Terms and Conditions (Cont'd)**

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J. Verification and Emergency Interrupt service is not available for Megalink ISDN services.

K. 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.

L. Non-facility Associated Signaling (N F A S) provides the capability to serve multiple D S1's over a single D -channel (N B +D ). This feature can be ordered where switch capabilities exist as stipulated in the vendor technical documentation and where switch capacity exists. When N F A S is selected, the customer will order one Megalink ISDN service arrangement with up to 23 B -channels and 1 D -channel. Additional Megalink ISDN service arrangements are ordered with up to 24 B -channels at rates and charges provided in B107.5.6.C. The D -channel activated on the initial arrangement serves the additional Megalink ISDN service arrangements. If the customer desires, he may also request a back-up D -channel with the N F A S option (N B +2D ). It is recommended that D -channels be provisioned in separate Megalink ISDN service arrangements.

**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. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

## B107.5 Megalink ISDN Service (Cont'd)

## 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.
- 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.
- 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.
- 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.

## B107.5.5 Service Components

- A. The customer may choose any number of channels up to twenty-three per Primary Rate Access 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.
- B. The required components for Megalink ISDN service will be as follows:
  - 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's 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.

**B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE****B107.5 Megalink ISDN Service (Cont'd)****B107.5.5 Service Components (Cont'd)**

B. The required components for Megalink ISDN service will be as follows: (Cont'd)

3. Primary Rate Interface - provides the multiplexing to support up to twenty-three B channels at 64 Kbps and one D channel for signaling also at 64 Kbps. When Non-Facility Associated Signaling (N FAS) is ordered, the Primary Rate Interface can provide up to twenty-four B-channels at 64 Kbps.
4. Primary Rate "B" Channels - will provide a circuit switched service that will allow either voice or data transmission at up to 64 Kbps.
  - a. Monthly rates for Primary Rate "B" Channels will be billed for local exchange service in accordance with flat rate Network Access Register (NAR) rates and charges found in Section A 3. of the General Exchange Guidebook for all ISDN facilities.
  - 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.
5. Call-by-Call/Integrated Service Access Feature Capability - This feature will allow the customer to dynamically allocate the use of channels 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.
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 through the use of Network Access Registers found in Section A 3. of the General Exchange Guidebook. Rates for initial WATS/800 service can be found in North Carolina's Non-Regulated Services - Pricing publication.

C. Incoming Call Identification - This optional feature provides the customer with the telephone number of the calling party on calls within the SS7 serving area. Incoming call identification is provided via the D Channel associated with incoming calls on a B channel(s) to a PBX. This feature is only available in offices in which Caller ID and associated blocking required by North Carolina Utilities Commission Order of May 12, 1992, in Docket P-55, Sub 925 are available. Where call blocking is available, Incoming Call Identification can be blocked if a customer elects to activate this service.

EFFECTIVE: December 1, 2005

## B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

### B107.5 MegaLink ISDN Service (Cont'd)

#### B107.5.6 Rates and Charges

A. A MegaLink ISDN Primary Rate Access Line is furnished between a Serving Wire Center and the customer's premises. Rates are based on the airline distance between the Serving Wire Center and the customer's premises.

1. Primary Rate Access Line, each

		Nonrecurring Charge	Month-to-Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(a)	First 1/2 mile	<b>\$314.50</b>	<b>\$113.36</b>	<b>\$94.85</b>	<b>\$94.85</b>	<b>\$94.85</b>	<b>1LDN1</b>	(I)
(b)	Each additional 1/2 mile, or fraction thereof	-	<b>50.21</b>	<b>41.60</b>	<b>40.65</b>	<b>39.70</b>	<b>1LDNA</b>	(I)
(c)	Connection for existing customer facilities	-	-	-	-	-	<b>1LDNF</b>	

B. Interoffice Channels furnished between central offices. Rates are based on the airline distance.

1. Interoffice Channel, each channel 0 - 8 miles

(a)	Fixed monthly rate	<b>121.00</b>	<b>77.57</b>	<b>64.85</b>	<b>64.85</b>	<b>64.85</b>	<b>1LNF8</b>	(I)
(b)	Each airline mile, or fraction thereof	-	<b>32.23</b>	<b>27.10</b>	<b>26.20</b>	<b>26.15</b>	<b>1LNN8</b>	(I)

2. Interoffice Channel, each channel 9 - 25 mile

(a)	Fixed monthly rate	<b>121.00</b>	<b>77.57</b>	<b>67.75</b>	<b>67.75</b>	<b>67.75</b>	<b>1LNF9</b>	(I)
(b)	Each airline mile, or fraction thereof	-	<b>32.23</b>	<b>26.15</b>	<b>25.65</b>	<b>25.15</b>	<b>1LNN9</b>	(I)

3. Interoffice Channel, each channel over 25 mile

(a)	Fixed monthly rate	<b>121.00</b>	<b>77.57</b>	<b>82.25</b>	<b>82.25</b>	<b>82.25</b>	<b>1LNF5</b>	(I)
(b)	Each airline mile, or fraction thereof	-	<b>32.23</b>	<b>25.15</b>	<b>24.70</b>	<b>24.20</b>	<b>1LNN5</b>	(I)

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## B107. OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

### B107.5 MegaLink ISDN Service (Cont'd)

#### B107.5.6 Rates and Charges (Cont'd)

C. MegaLink ISDN services will be available in combinations of Primary Rate Channels according to the limits of the Company central office type. Customers will choose the most appropriate combination(s) and will be billed for the services as appropriate.

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(1) Primary Rate Interface							
(a) Each	\$335.00	\$403.58	\$240.00	\$230.00	\$220.00	PRFS1	(I)
(2) Primary Rate "B" Channels							
(a) Per Channel	7.00	25.52	19.50	19.50	19.50	PRFCM	(I)
(3) Call -by-Call/Integrated Service Access Service Selection							
(a) Per facility group	110.00	17.81	10.00	10.00	10.00	PRFAS	(I)
D. Optional Features							
1. Incoming Call Identification Per Incoming or Two-Way NAR or In-WATS service							
(a) 1 - 8 Services, each	-	29.68	25.00	25.00	25.00	NUBC1	(I)
(b) 9 - 15 Services, each	-	23.74	20.00	20.00	20.00	NUBC2	(I)
(c) 16 or more Services, each	-	17.81	15.00	15.00	15.00	NUBC3	(I)
E. 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.

#### F. 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 when more than one channel service of the same type is terminated or moved at the same premises at the same time.

EFFECTIVE: December 1, 2005

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

(O) (T)

**B107.5.6 Rates and Charges (Cont'd)**

## F. Service Connection Charges (Cont'd)

(O)

## 4. Charges for MegaLink ISDN Service

(O)

## a. Service Establishment Charge

## (1) Per Primary Rate Access Line

	<b>Nonrecurring Charge</b>	<b>USOC NRCPA</b>	<b>(O) (T)</b>
(a) Each	<b>\$556.50</b>		
b. Service Change Charge			
(1) Per Primary Rate Access Line			(O)
(a) For service changes and/or inside moves, each	<b>338.75</b>	<b>NRCPM</b>	<b>(O) (T)</b>
(b) Per transfers of responsibility, each	<b>338.75</b>	<b>NRCPT</b>	
c. Premises Visit Charge			(O)
(1) Per Primary Rate Access Line or for and Inside Move <sup>1</sup>			(O) (T)
(a) Per visit	<b>38.75</b>	<b>NRCPC</b>	

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

(O) (T)