

TARIFF DISTRIBUTION

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B4. EQUIPMENT

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B4.2.1 Signaling	<i>I</i>	(T)

B4. EQUIPMENT

B4.1 (DELETED)

(T)

B4.2 Voice Communicating Equipment

(M)

B4.2.1 Signaling¹

(M)

A. Obsolete - See Section B104.

(M)

1. Obsolete - See Section B104.

(M)

a. Obsolete - See Section B104.

(M)

(1) Obsolete - See Section B104.

(M)

	Installation Charge	Monthly Rate	USOC	
(a) (DELETED) ¹	\$-	\$-	NA	(M)
(b) (DELETED) ¹	-	-	NA	(M)
(c) (DELETED) ¹	-	-	NA	(M)
(d) Obsolete - See Section B104.	-	-	NA	(M)
(e) Obsolete - See Section B104.	-	-	NA	(M)
2. (Obsolete - See Section B104.)				(M)

Pages 2 through 10 are hereby deleted in their entirety and removed from this Guidebook.

(N)

B5. APPLICATION OF CONSTRUCTION (TERMINATION AND ADDITIONAL CHARGES)

B5.1 General

- A. All rates and charges quoted in other sections of this *Guidebook* provide for the furnishing of service when suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs. (T)
- B. When facilities are furnished at remote or isolated locations, when unusual costs are involved or when the revenue to be derived from the service is not, in the opinion of the Company, sufficient to warrant the Company's assuming the unusual costs of providing the necessary construction, the customer may be required to pay additional charges depending upon the circumstances in each case.
- C. Definition of Additional Charges
 - 1. Additional charges are those applicable under special conditions as hereinafter set forth and they are in addition to other charges specified in this *Guidebook*. (T)
 - 2. Additional charges may be initial nonrecurring charges, recurring monthly charges, termination charges or a combination of these types of charges. The types of additional charges applied in a specific case are determined by the Company with recurring charges being converted to nonrecurring charges and vice versa using standard time and cost of money computations.
 - 3. Termination charges applicable to facilities subject to construction charges represent the present worth, at the time of disconnection, of the future monthly payments due under the contract.
 - 4. In the event a customer enters into a termination charge agreement and:
 - a. All services involved in the construction are discontinued within the contract period a termination charge applies to the extent there is no other requirement for the constructed facilities in place. Termination charges are computed as described in 3. (T)
 - b. One or more, but not all, of the services involved in the construction are discontinued within the contract period, the lower of the following charges applies during the unexpired portion of the contract period for each such discontinued service:
 - (1) The monthly charge for each local channel, interexchange channel and intraexchange channel section of each basic service which has been provided in whole or in part by construction, or
 - (2) The monthly charge for the constructed portion of such channel terminal, local channel, interexchange channel or intraexchange channel section. In determining the charge for such constructed portion, rates and mileage measurements are applied between the points of termination of such portion of each basic service.

B5. APPLICATION OF CONSTRUCTION (TERMINATION AND ADDITIONAL CHARGES)

B5.1 General (Cont'd)

C. Definition Of Additional Charges (Cont'd)

4. In the event a customer enters into a termination charge agreement and: (Cont'd)

c. Type of Service in Constructed Section

Interexchange Channel

Channel Terminal and Local Channel

Type 1101 & 1102

Basic Service

Series 1000 (half duplex)

Types 1010, 1011, 1050, and 1051 (duplex and half duplex)

Series 1000 (half duplex)

Types 2001, 2003, 2048, 2050, 2052, and 2053 (duplex and half duplex)

Series 2000

All other services

Same as the type of service in constructed section only.

Intraexchange Channel

All Services

Basic Service

Same as the type of service in constructed section only.

D. Where a customer is so located that it is necessary to use private right of way to furnish a service and the Company is unable to obtain the required right of way without cost, the customer may be required to pay the entire costs involved in securing such right of way.

E. When attachments are made to poles of other companies, the customer may be required to pay the additional cost to the Company of such attachments.

F. Except as specified in B5.3 and the conduit or pipe provided by the customer as in B5.2.C, title to all construction provided wholly or partly at a customer's expense is vested in the Company and the customer may be required to execute a conveyance thereof in favor of the Company. (T)

G. Construction charges are payable at the time application for service is signed or when the account is rendered, at the option of the Company.

H. Definition of Cost

Special equipment and arrangements requested by customers are furnished wherever possible, if not detrimental to the service. For special equipment and arrangements furnished in connection with private line service, charges equivalent to the estimated cost of furnishing such equipment or arrangements apply. Estimated costs are computed as follows.

The word "cost" when used in this *Guidebook*, refers to estimated cost involved in providing facilities for telephone service or equipment. Cost consists of the following items to the extent that they are applicable: (T)

1. Cost of maintenance.
2. Cost of operation.
3. Depreciation on the estimated cost installed of any facilities utilized, based on the anticipated useful service life of the facilities with an appropriate allowance for the estimated net salvage.

4. Administration and taxes on the basis of reasonable average charges for these items.

5. Any other specific items of expense associated with the particular situation. (M)

6. A reasonable amount, computed on the estimated cost installed of any facilities provided, for return and contingencies. (M)

Estimated cost installed as mentioned in paragraphs B5.1.H.3 and 6 includes the cost of equipment and material specifically provided or used plus the estimated cost of installing, including engineering, labor, supervision, transportation, rights-of-way and any other investment items. "The cost installed" and "accounting costs" will, at the request of a subscriber, be recorded as actual costs by means of Keep Cost Authorization assigned to a particular project.

B5. APPLICATION OF CONSTRUCTION (TERMINATION AND ADDITIONAL CHARGES)

B5.1 General (Cont'd)

(M1)

I. Engineering Work Preparation Fee

A one-time Engineering Work Preparation Fee of \$500 will apply for the preparation of a quotation for custom work which may require construction charges. This fee is applicable prior to preparation of an estimate for custom work requiring construction charges and will be applied regardless of whether or not the work is ultimately performed for the customer. The Engineering Work Preparation Fee is nonrefundable; however, should the customer proceed with the custom work the fee will be applied against the special construction charges. If work is determined not to be a custom work order after the field visit by the engineer, the fee will be refunded to the customer.

The Engineering Work Preparation Fee provides for the development and preparation of a detailed estimate of cost including any appropriate engineering costs incurred in the preparation of this quotation. The customer will be advised of this charge and must agree to pay it before development of the quotation will commence. Preparation of the quotation will begin after the Engineering Work Preparation Fee is received by the Company.

Payment of the Engineering Work Preparation Fee does not assign, confer, or transfer title or ownership rights to proposals or equipment, designed or furnished by the Company. Title and ownership rights for any item developed at the customer's request remains with the Company except as specifically provided by an agreement between all parties.

The Company has the right to apply more applicable engineering preparation fees for any large, complex and/or unique projects that will require excessive engineering hours to develop a detailed cost quote.

B5.2 Special Type of Construction

- A. Where a special type of construction is necessary because of unusual conditions or is desired by a customer, as when underground construction is desired in places where aerial facilities would normally be used to reach customer's premises, or when conditions imposed by a customer make the installation exceptionally expensive, an additional charge will be made equal to the difference between the cost of the special type of construction and the cost of normal construction.
- B. Where facilities are changed from aerial to underground, the customer is charged the cost of the underground facilities and for the cost of dismantling and moving the aerial facilities. Repair or replacements of cable in conduit or trench made necessary by damages caused by the customer or his representatives will be made only at the customer's expense.
- C. Construction Provided By Connecting Companies or Other Participating Companies
The charges to the customer for special construction provided by a connecting or other participating company of the Company will be based on the charges of the connecting or other participating company.

B5.3 Entrance and Local Distribution Facilities

- A. Pole Line Facilities
 1. Poles to be used in serving only a particular customer and located on his premises shall in all cases be furnished and maintained by him or at his expense and shall conform to the Company's specifications. Ownership of such poles on private property is vested in the customer and necessary pole replacements shall be made by him.
 2. Poles on private property to be used to serve more than one customer or to be used as a part of the standard distributing plant serving customers in general are furnished, maintained and owned by the Company, subject to such construction charge as may be applicable.
- B. Underground Facilities
 1. Underground facilities consist either of underground conduit in which the underground cable is placed or, in lieu of conduit, where in the opinion of the Company conditions are suitable, of only excavation and fill-in in which buried underground wires or cables are placed, on private property required to serve one building or group of buildings. Underground conduit is provided as specified in paragraph 2. Underground facilities without conduit are provided as specified in paragraph 3.
 2. The customer or applicant is responsible for providing, at his own expense, all conduit located on private property including all conduit located on easements or rights-of-way, excluding public streets and highways, dedicated to public use but maintained by the customer or applicant. The Company may also require that a pull wire be provided by the customer or applicant for the purpose of placing wire or cable.
The Company will place its underground cables in conduit provided and maintained by the customer or others if in its opinion the conduit is properly located and suitable for such use. Permission to use such conduit must be furnished to the Company free of cost.

(M2)

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) 4 of this section.

B5. APPLICATION OF CONSTRUCTION (TERMINATION AND ADDITIONAL CHARGES)

B5.3 Entrance And Local Distribution Facilities (Cont'd)

B. Underground Facilities (Cont'd)

3. Where the general distribution facilities are underground and when the ground condition in the opinion of the Company permits, the Company will place cable and wire facilities underground without use of conduit. A construction charge based on cost applies for excavation and fill-in except where the excavation and fill-in is provided and maintained by the customer or others and the construction is in accordance with the specifications of the Company. Permission to use the trench must be furnished to the Company free of charge. The Company may, after notice in writing to the customer, without incurring any liability thereby, discontinue furnishing service in this manner, if in its opinion the trench is not properly maintained or used in accordance with accepted safety standards.

(M)

C. Cable and Wire Facilities

1. Entrance cable and wire facilities in excess of 700 feet will be provided on the basis of one of the following plans:
 - a. A nonrecurring charge and a reasonable and proper monthly carrying charge based on cost. Under this plan, where a portion of the facilities must be replaced at a later date due to having served its useful life, charges apply to the replacing of facilities as if such facilities were installed new and appropriate adjustments are made in the monthly carrying charges.
 - b. A reasonable and proper carrying charge based on cost with an initial service period selected by the customer but not to exceed fifteen years. Minimum revenue guarantees may apply and termination charges also apply for early discontinuance.
2. Ownership and maintenance of cable and wire facilities provided with or without construction charges is vested in the Company.

B5.4 Reserved For Future Use

B5.5 Reserved For Future Use

B5.6 Reserved For Future Use

B5.7 Reserved For Future Use

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B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink Service

B7.1.1 General

- A. MegaLink service is furnished for Private Line IntraLATA communications by the Company.
- B. MegaLink service is a service for the transmission of digital signals only and using only digital transmission facilities.
- C. MegaLink service provides for the simultaneous two-way transmission of isochronous digital signals at DS1 speeds of 1.544 Mbps. where facilities are available.
- D. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the DS1/1.544 Mbps. channel facility provided by the Company. The technical specifications and standard network interfaces for DS1 Service are contained in BellSouth Services Technical Reference Publication 73525. This publication is available from *AT&T* Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. (T)
- E. Unless specified following, the *Terms and Conditions* for MegaLink service specified herein apply in addition to the *Terms and Conditions* set forth in Section B2. (T)
- F. The rates specified for MegaLink service in B7.1.3 contemplate the provision of a digital quality facility over existing interoffice carrier equipment and/or exchange cable facilities compatible with this service. If such equipment, new facilities or changes to existing facilities are required for the provision of this service, a special construction charge based on the cost incurred to make the changes will apply in addition to the rates for MegaLink service. (T)

B7.1.2 Terms and Conditions (T)

- A. Description Of Service
 - 1. MegaLink service is furnished for the simultaneous two-way transmission of serial, Bipolar, Return-to-Zero, isochronous digital signals, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format, at a speed of DS1/1.544 Mbps. between two-points located within a LATA.
 - 2. Multipoint service is not available
 - 3. MegaLink service is available on a month-to-month basis or under variable rate periods, with rates based on lengths of 36 months, 60 months¹, or 84¹ months under conditions specified in B2.4. If the customer does not select a new contract option or does not request discontinuance of service, service will be continued under the terms specified in B2.4.
 - 4. Connection of DS1/1.544 Mbps communications systems provided by others may be made on a permissive basis as provided for in Section B2. The Company does not represent its MegaLink 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 or appropriate Termination Equipment 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
 - signal shaping
 - remote loop-back
 - 6. The design, maintenance, and operation of MegaLink service contemplates communications originating and terminating as (1) a customer premises to customer premises channel via the Company's Serving Wire Center - and/or through remote Serving Wire Centers; (2) a customer premises to the Serving Wire Center - and/or to remote Serving Wire Centers - partial channel (link); or (3) a Central Office to Central Office (interoffice) partial channel (link).
 - 7. MegaLink service may also be furnished as links (partial channels) when connected to other services such as Centrex Type Services,¹ FlexServ service, LightGate service, MegaLink Plus service, another MegaLink service and/or MegaLink channel service. (M)
 - 8. All appropriate rates specified in other Sections are in addition to the monthly rate per package or single channel for MegaLink service specified in this Guidebook. (M)

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink Service (Cont'd)

B7.1.2 Terms and Conditions (Cont'd)

B. Definitions

CHANNEL SERVICE UNIT

The term "Channel Service Unit" denotes equipment provided by the Customer to terminate a digital facility on the customer's, or user's premises.

DIGITAL LOCAL CHANNEL

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

DS1

This denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps. transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Services Technical Reference Publication 73525.

INTEROFFICE CHANNEL

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

C. Application of Rates

1. Digital Local Channels 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 Serving Wire Center and the customer's premises.
2. Interoffice Channels furnished between Central Offices will be charged at rates based on airline distance between the Central Offices.
3. MegaLink service is available on a month-to-month basis or under variable rate periods, with rates based on lengths of 36 months, 60 months², or 84 months² under conditions specified in the Channel Services Payment Plan section B2.4 except as modified following. Contract rate increases are subject to the stipulations of paragraph 4.
4. MegaLink service rates under contract will not be increased by Company initiative until the contract period expires. 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.
5. 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 fifty percent (50%) of the following: the number of months remaining in the contract times the monthly rate provided under contract. However, Termination Liability Charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in B2.4.9.A.12, or for customer requested changes of service under CSPP to Fast Packet Transport Services under the Fast Packet Transport Services Payment Plan, or to AT&T Ethernet Services under the Ethernet Payment Plan, subject to the provisions set forth in B2.4.9.A.4.b.
6. 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.

Note 1: Connection from MegaLink service to Centrex Type Services may not be available from all Serving Wire Centers. (M2)

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers. (T)

(T)

(M1)

(M2)

(M2)

(T)

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.

B7. DIGITAL NETWORK SERVICE**B7.1 MegaLink Service (Cont'd)****B7.1.2 Terms and Conditions (Cont'd)****D. Connections**

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to MegaLink service when such connection is made in accordance with the provision specified in paragraphs 2, 3, and 4.
2. Responsibility of the Company
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of MegaLink service to that point on the customer's premises where provision is made for the connection of customer-provided equipment. If the customer requires a different location in the same building, it can be provided under the Premises Network Wiring Charge found in Section B3.
 - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications systems provided by a customer. MegaLink service is not represented as adapted for 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 MegaLink 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.
 - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations or procedures of the Company utilized in the provision of MegaLink service render any facilities or equipment provided by a customer obsolete, or require modification or alteration of such equipment or system, or otherwise affects its use or performance.
 - d. The Company undertakes to maintain and repair the facilities, which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.

(T)

(M)

B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink Service (Cont'd)

(T)

B7.1.2 Terms and Conditions (Cont'd)

(T)

D. Connections (Cont'd)

3. Responsibility of the Customer

a. The customer is responsible for installing and testing his premises equipment or facilities to insure that when they are connected with MegaLink service such equipment or facilities are operating properly. (T)

b. The operating characteristics of the customer premises equipment or facilities shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by a customer is causing or is likely to cause such hazard or interference the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.

c. The customer's 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 will be responsible for all expenses incurred in changes to his premises equipment.

d. The customer shall be responsible for payment of a Trouble Determination Charge as set forth in Section B2, for visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer. (T)

4. 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 and/or Customer-Provided Communications Systems may be connected at the premises of the customer to MegaLink service. (T)

(2) The customer, by use of their own derivation equipment, may create digital bit streams from a MegaLink service and such equipment may be connected for transmission of such bit streams when connected thru a customer-provided Channel Service Unit/Termination Equipment. (T)

(3) The undertaking of the Company is to furnish MegaLink service as ordered. The customer is required to provide the Channel Service Unit/Termination Equipment as specified in d. (T)

b. Connections to other services furnished by the Company to the same customer:

MegaLink service furnished by the Company may be connected by the customer to another service or to other services furnished by the Company as specified in 2 and 3. Connected services are subject to all **Terms and Conditions** governing the provisioning of those services. (T)

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

The customer may connect, at the premises of the customer, to another MegaLink service or other services furnished by the Company to different customers as specified in 2 and 3. Connected services are subject to all **Terms and Conditions** governing the provisions of those services. (T)

B7. DIGITAL NETWORK SERVICE

B7.1 MegaLink Service (Cont'd)

(T)

B7.1.2 Terms and Conditions (Cont'd)

(T)

D. Connections (Cont'd)

4. (Cont'd)

d. Connection of Channel Service Units:

A Channel Service Unit or appropriate Termination Equipment 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 Channel Service Unit/Termination Equipment may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered Channel Service Unit/Termination Equipment may be connected to Company-provided digital facilities.

Grandfathered Channel Service Unit/Termination Equipment must comply with the requirements outlined in BellSouth Services Technical Reference 73525. This publication is now available from *AT&T* Services Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Registered technical requirements for Channel Service Units/Termination Equipment 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.

(T)

E. Features

1. Clear Channel Capability

a. Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits, to meet pulse density requirements outlined in Technical Reference 73525. This will allow a customer to transport an all zero octet over a MegaLink service channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in Technical Reference 73525.

(T)

b. CCC is provided on MegaLink service channels between two customer designated premises, from a customer premises to their Serving Wire Center or Node Central Office and/or to a remote Serving Wire Center or Node Central Office, and from a central office to a central office, and is subject to the availability of facilities. This optional feature may be ordered at the same time the MegaLink service channel is ordered, or it may be ordered as an additional feature of an existing MegaLink service channel.

(T)

c. When providing CCC via a DS3/44.736 Mbps High Capacity channel, that DS3 channel must be designated, in Company records, as having Clear Channel Capability prior to the provisioning of a DS1/1.544 Mbps High Capacity channel with CCC. Customers must agree to out-of-service periods required to add this feature to an existing MegaLink service channel to be optioned for B8ZS.

(T)

F. Payment Arrangements and Credit Allowance

1. The minimum period for which MegaLink service is furnished and for which charges are applicable is one month.

(T)

2. Suspension of service is not allowed.

3. When MegaLink service is interrupted due to causes other than negligence of the customer, or to the failure of facilities or equipment furnished by the customer, a credit allowance will be made upon request for the portion of service affected. For the purpose of determining the amount of allowance, every month is considered to have 30 days. All credit allowances shall begin from the time of notice by the customer to the Company, and will end when the service is operative. No credit is allowed for interruption to service of less than 30 minutes. Interruptions of 30 minutes or more are credited to the customer at the proportionate monthly rate in half-hour multiples for each half-hour, or major fraction thereof, of interruption. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service.

(T)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service

This offering contains the *Terms, Conditions* and rates applicable for SynchroNet service. Unless otherwise specified, the *Terms and Conditions* contained herein are in addition to the *Terms and Conditions* found in other Sections of this Guidebook. (T)

B7.2.1 General

- A. SynchroNet service is a data transmission service designed to transmit data in digital form end-to-end over digital facilities routed through a central office node.
- B. This service is available within a LATA where appropriate digital facilities are available as determined by the Company.
- C. Due to availability of equipment, multipoint and/or Secondary Channel Capability may not be available in all SynchroNet service locations.
- D. The service is furnished on a twenty-four hour per day, seven day per week basis, for a minimum period of one month.
- E. The customer shall furnish the Digital Terminating Equipment (DTE) on premises.
- F. SynchroNet service is available on a month-to-month basis or under contract plans as described in B7.2.2.

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions

(T)

A. Description of Service

SynchroNet service is capable of the simultaneous two-way transmission of digital signals at synchronous speeds of 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 Kbps between points located within a LATA. These channels may also be furnished on a link (partial channel) basis when connected to FlexServ service, LightGate service, MegaLink channel service and/or SMARTRing service.

The design, maintenance and operation of SynchroNet service contemplates communications originating or terminating at stations of the customer. While connections of SynchroNet service to communications systems provided by others may be made on a permissive basis as provided for in Section B2, the Company does not represent its SynchroNet 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.

1. The Digital Terminating Equipment (DTE) 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
- Signal shaping
- Remote loop-back

When customer provided terminal equipment, customer provided derivation equipment or customer provided communications systems are connected with SynchroNet service, the customer or authorized user must provide his own equipment to perform the function of the DTE.

The connection of customer provided equipment and systems is subject to the provisions set forth in D.

2. The service options available to the customer are as follows.

- a. Two-Station Service

Two-Station service consists of two digital local channels and any applicable digital interoffice channels furnished between two stations.

- b. Multipoint Service

Multipoint service consists of three or more digital local channels and any applicable digital interoffice channels furnished between three or more stations.

- c. Secondary Channel Capability

(M)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

(T)

B7.2.2 Terms and Conditions (Cont'd)

(T)

B. Definitions

(T)

DIGITAL INTEROFFICE CHANNEL

(M)

The term "Digital Interoffice Channel" denotes a path for SynchroNet service between the serving wire center and node central office, or between node central offices, within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

(M)

DIGITAL LOCAL CHANNEL

(M)

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.

(M)

DIGITAL TERMINATING EQUIPMENT

The term "Digital Terminating Equipment" denotes equipment provided by the Customer to terminate SynchroNet service at the customer's premises.

(T)

MULTIPOINT SERVICE

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

(T)

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.

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.

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions (Cont'd)

C. Method Of Applying Rates

For each customer premises termination, the following rate elements may apply:

- A local channel
- Interoffice channel
- Node termination
- Multipoint service
- Secondary Channel Capability

A Multipoint Arrangement is required to provide SynchroNet service between three or more digital local channels or digital interoffice channels. A charge applies per channel, local or interoffice, arranged. Multipoint service, or bridging, is only available at node central offices.

A digital local channel is furnished between a wire center and the demarcation point on the customer's premises.

Digital interoffice channels will be charged at rates based on airline distance from the serving wire center to its primary node and/or between end point nodes.

When more than one node is designated within a LATA, the Company will assign the primary node(s) for each wire center.

When customer premises terminations are located in wire centers assigned to different nodes, digital interoffice channel mileage will be calculated from each serving wire center to its assigned node. Digital interoffice channel mileage will also be calculated for the distance between the different end point nodes in the routing sequence.

Airline distance between Company central offices shall be developed using the methodology contained in B3. Fractional mileage shall be rounded up to the next full mile.

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(M)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions (Cont'd)

D. Connections

Customer provided terminal equipment, customer provided derivation equipment and customer provided communications systems may be connected to SynchroNet service when such connection is made in accordance with the provisions specified in 1, 2 and 3. (M)

SynchroNet service furnished by the Company to a customer may be connected at the premises of the customer to another SynchroNet service furnished by the Company provided that such connections are made through the Service Terminating Arrangements of the SynchroNet service by equipment furnished by the customer. (M)

The responsibility of the Company shall be limited to the furnishing of service to that point on the customer's premises where provision is made for the connection of customer-provided equipment. The customer is responsible for testing that equipment or facilities to ensure proper operation while connected with SynchroNet service, and further to ensure that the cause of any service difficulty reported by the customer to the Company results from the operation of equipment and facilities provided by the Company. (T)

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 where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.

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

a. Customer-provided terminal equipment, customer-provided communications systems may be connected at the premises of the customer, to SynchroNet service. (T)

b. The customer, by use of its own derivation equipment, may create digital bit streams from SynchroNet service and such equipment may be connected for transmission of such bit streams as specified following: (T)

(1) At the premises of the customer to Private Line Service and SynchroNet service furnished under the rates, *Terms and Conditions* of this Company's *Guidebook*, and (T)

(2) At the premises of the customer to facilities of others referred to in a. (T)

c. The customer shall be responsible for providing the DTE and, if requested, notifying the Company of the type, for maintenance purposes.

2. Connection to Other Services Furnished by the Company to Different Customers

a. SynchroNet service furnished by the Company to a customer may be connected at the premises of the customer to another SynchroNet service or to other services furnished by the Company to different customers. (T)

3. Accessories

Accessories provided by customer may be used in conjunction with SynchroNet service provided that such accessories comply with the provisions of D.4. (T)

4. Responsibility of the Customer

a. Where SynchroNet service is available under this *Guidebook* for use in connection with terminal equipment or communications systems provided by a customer, the operating characteristics of such equipment or systems shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference. (T)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions (Cont'd)

(T)

D. Connections (Cont'd)

4. Responsibility of the Customer (Cont'd)

- b. When customer provided equipment is connected to SynchroNet service, the customer shall be responsible for:
 - (1) Compatibility of the connected communications system to SynchroNet service. This includes replacing the DTE due to technological changes in the network, and
 - (2) Testing and sectionalization and clearance of trouble conditions or service difficulties on any communications system which is connected to SynchroNet service.
- c. The Digital Terminating Equipment (DTE) 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 DTEs may be connected, moved, and reconnected until June 30, 1987. After this date only registered and previously connected grandfathered DTEs may be connected to Company provided digital facilities. Grandfathered DTE equipment must comply with the requirements outlined in the Bell System 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 DTEs are outlined in Part 68 of the FCCs Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D. C. 20054.

5. Responsibility of the Company

- a. The Company shall not be responsible for installation operation or maintenance of any terminal equipment or communications systems provided by a customer. SynchroNet service is not represented as adapted to the use of such equipment or system and 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 of such facilities in a manner proper for such digital service. Subject to this responsibility the Company shall not be responsible for:
 - (1) The through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission,
 - (2) The reception of signals by such equipment or systems, or
 - (3) Damage to terminal equipment or communications systems provided by a customer to an authorized user due to testing.
- b. The Company shall not be responsible to the customer, if changes in any of the facilities, operations or procedures of the Company utilized in the provision of SynchroNet service render any facilities provided by a customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.
- c. The Company undertakes to maintain and repair the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.
- d. The circuit design objective is to provide an average performance of at least 99.5 percent (**99.5%**) error free seconds of transmission when measured through the DTE. (T)(M)

E. SynchroNet service may be used for the transmission of communications of the customer, provided that: (M)

- 1. SynchroNet service shall not be used for an unlawful purpose, and (M)
- 2. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the SynchroNet service it offers and to assure that the service arrangement is in accordance with the **Terms and Conditions** contained herein. (T)(M)

F. Payment Arrangements (M)

- 1. The minimum period for which service is furnished and for which charges are applicable is one month. (M)
- 2. Suspension of service is not allowed. (M)

G. Allowance for Interruptions (M)

Allowance for interruptions will be in accordance with the provisions set forth in B2. One exception will be that no credit is allowed for interruptions to service of less than four hours. (M)

Page 10.0.1 is hereby deleted in its entirety and removed from this Guidebook.

(N)

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions (Cont'd)

(T)

H. Contract Plans

1. Contract plans are available under conditions specified in the Channel Services Payment Plan in B2.4 except as follows.
 - a. SynchroNet service is offered under contract plan periods as described in (1) and (2):
 - (1) Twenty-four to forty-two month contract plan - payment periods may be selected from twenty-four to forty-two months^{1,2}.
 - (2) Forty-three to sixty-month contract plan - payment periods may be selected from forty-three to sixty months^{1,2}.
 - b. SynchroNet service rates under contract plans will not be increased by Company initiative until the contract period expires. Rates in effect at the time the service is installed and/or when the Company is notified in writing of the subscriber's choice of payment period options, will be applicable until the contract plan expires except as specified in B2.4.9. At the expiration date of the customer's payment period option, the customer may select a new payment period option at the current rates. If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.
 - c. A Termination Liability Charge is applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan except as specified in (2). However, Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in B2.4.9.A.12. The Termination Liability Charge is fifty percent (50%) of the following: the contracted monthly rate times the number of months in the contract plan, less the contracted monthly rate times the number of months the service has been installed. An example is provided in (1):
 - (1) A customer subscribes to SynchroNet service using the twenty-four to forty-two month payment plan. The actual duration of the contract plan is for thirty months. The subscriber terminates the service after twelve months. The total liability charge is thirty months times the monthly rate. The amount is then reduced to reflect the number of months the subscriber has had the service, which in this example is twelve months. Therefore, the Termination Liability Charge is calculated as follows:
 Termination Liability Charge = $.50 \times [(30 \text{ months} \times \text{monthly rate}) - (12 \text{ months} \times \text{monthly rate})]$
 - (2) A Termination Liability Charge will not be applicable at the date of termination if the customer terminates or disconnects the service prior to fulfilling the period of the contract plan for customer requested changes to a higher order of service covered by the Channel Services Payment Plan as specified in B2.4.9.A.4.b, or customer requested changes to services not covered by the Channel Services Plan that are offered by the Company under a contract payment plan provided that the applicable conditions set forth in B2.4.9.A.4.b are satisfied.

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 2: Effective December 31, 2013, customers may not establish new term plans of any length for SynchroNet Service, and existing term plans may not be renewed. For new service, or for existing service after any term plan expires, service will be provided only on a month-to-month basis.

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

(T)

B7.2.4 Types of Rates and Charges

- A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:
1. **Monthly Rates**
Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have 30 days.
 2. **Nonrecurring Charges**
Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.
 - a. **Installation of Service**
Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.
The nonrecurring charges for the Installation of Services are set forth in B7.2.3.A and B.
 - b. Nonrecurring charges apply for the installation of features and functions available with the various services. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service. Nonrecurring charges for Optional Features and Functions are set forth in B.
 - c. **Service Rearrangements**
 - (1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in B7.2.5.B.1.
The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.
Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:
 - Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
 - Change of customer or customer's premises address when the change of address is not a result of a physical relocation of equipment.
 - Change in billing data (name, address or contact name or telephone number).
 - Change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc. No Termination Liability Charges apply for service billed under the Channel Services Payment Plan (CSPP) if the customer subscribes to a payment arrangement which is a minimum twenty-four month service period or equals/exceeds the remaining contract period, whichever is greater.

(T)

(M)

(T)(M)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd) (T)

B7.2.4 Types of Rates and Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements (Cont'd)

(2) All other service rearrangements will be charged for as follows: (M)

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply.
- If the change involves the disconnection of a customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charge will apply.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- The appropriate nonrecurring charge for customer requested changes of data transmission rate for an existing SynchroNet service circuit shall be the Speed Change Charge provided in B7.2.3.B.4. This charge shall apply per local channel on each circuit where the speed is requested to be changed. The existing circuits will experience out of service time when the speed change work is conducted (T)
- Customer requests for changes of data transmission rate where out of service time cannot be tolerated will be considered as requests for new service and full nonrecurring charges shall apply. The customer shall specify the disconnect date for the circuits being replaced.
- For rearrangements and all other activities involving physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service order, per change.
- For a change of customer of record, where no specific transfer of service charge is stated, and for all other activities involving no physical changes, the following charges will apply: (1) If the request is for multiple circuits of the same type or speed, a charge equal to one "First" Local Channel nonrecurring charge applies, (2) If the request is for only one circuit, a charge equal to one "Additional" Local Channel nonrecurring charge applies, (3) If the request is for multiple circuits of different types or speeds, charges will be applicable for each type of circuit according to the same guidelines in (1) and (2). (T)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

(T)

B7.2.5 Moves

- A. A move involves a change in the physical location of one of the following:
 - 1. The point of interface at the customer premises.
 - 2. The customer's premises.
- B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.
 - 1. **Moves within the Same Building**
When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service.
 - 2. **To a Different Building**
Moves to a different building, other than addressed in 3, will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service. (T)
 - 3. **Moves of Service(s) under CSPP**
Customer requests for moves of service under CSPP, other than inside moves, will be subject to the conditions stated in B2.4.9.A.12. (T)

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service

B7.3.1 General

- A. MegaLink channel service is an intraLATA digital service which provides channelization capability for the customer in the Company's central office. MegaLink channel service is provided in packages based on multiple voice grade channel equivalents (DS0) where 24 voice grade channels are equal to a DS1. This service provides local channels and/or interoffice channels for network access, Foreign Exchange Service, Centrex Type Services station lines, off-premises stations, tie lines, WATS lines, analog data channels, Broadband Exchange Lines and digital data services (at 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps, 64 Kbps and 1.544 Mbps data rates).
- B. Channelization is provided by D type channel banks which are offered in various basic system capacities and feature activation types. Individual channel services are made available by selecting the specific feature activation equipment desired in a basic system. The customer may channelize all or part of a MegaLink channel service package to activate voice and data facilities for interconnection with the switched network, voice grade and data facilities for private line channels, as well as other MegaLink channel services. The customer may also choose not to channelize all or part of a MegaLink channel service package allowing direct connection to other DS1 services as provided in this Guidebook or the General Exchange Guidebook (GEGB). (T)
- C. This service is available within a LATA where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction charges for MegaLink service will apply as specified in B7.1. (T)
- D. Network access is provided for those customers subscribing to MegaLink channel service. The charges in Section A3 of the General Exchange Guidebook are applicable only on those lines, trunks, or Network Access Registers (NAR) activated for local network access.
- E. Individual channels within a MegaLink channel service package may be connected with service offered in other sections of this Guidebook and General Exchange Guidebook as appropriate. The *Terms, Conditions and* rates and charges in this Guidebook are applicable for the Megalink channel service component of the customer's end-to-end service. Single channel service components (non-MegaLink channel service links) are subject to the *Terms, Conditions*, rates and charges in their respective guidebook sections. (T)
- F. The customer may activate any number or combination of channels within a MegaLink channel service package within the limitations set forth in H. Channels may be activated coincident with initial service or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract terms. Features (channels) activated under month-to-month rates will have a minimum service period of one month.
- G. The total number of voice grade equivalent channels activated by the customer may not exceed the capacity of the basic system. Additionally, there are some necessary restrictions in total system capacities where certain types of channel services are channelized. For example, some channelizing equipment for SynchroNet service may require two voice grade equivalent channels per channel provided by the Company. This would reduce a system's stated capacity substantially. The Company will notify the customer when a system's capacity is affected. (T)

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

(T)

B7.3.1 General (Cont'd)

- H.** Central Office channelization generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. In addition, this equipment permits connection to required testing facilities at designated hub or node locations for some digital offerings, such as SynchroNet service. This channelization is also intended for use at Company locations where different high capacity digital network links terminate in the same central office and must be converted to individual analog or digital channels before individual service links can be cross-connected. System capacities below are provided in groups of 24 voice grade equivalent channels, and are subject to the limits as set forth in G. (T)
- I.** Channelization on a customer's premises is provided by the customer. Customer premises channelization equipment, and any other associated network termination equipment, is available through various vendors, including Company. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company. (T)
1. Responsibilities of the Company:
 - a. The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
 - b. The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.
 - c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
 - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover if required.
 - f. Digital synchronization timing for MegaLink® channel service will be provided by the Company.
 2. Responsibilities of the Customer:
 - a. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
 - b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with the Company provided channelization at the central office.
 3. Trouble resolutions:

The Company will assist the customer in resolving any installation or day to day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in Trouble Determination Charges to the customer.

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

B7.3.1 General (Cont'd)

- J. The technical specifications and standard network interfaces for DS1 and associated services are contained in BellSouth Technical Reference 73525. This publication is available from AT&T Services, Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Channelized DS1 service is available only with D4 channel bank equipment or compatible, equivalent equipment. (T)
- K. Emerging technology, such as low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single DS1 signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer on an individual case basis.

B7.3.2 Application of Rates

- A. Monthly rates as specified in B7.3.4 apply for each MegaLink channel service according to the system capacity of voice grade equivalent channels in each package. These rates apply regardless of the number of voice grade circuit equivalents within each package that are actually activated by the customer at a point in time. In addition, rates and charges for associated MegaLink service channels in B7.1 are applicable. (T)
- B. Network Access Service is provided for channels within each MegaLink channel service package at the monthly recurring rates and charges specified in B7.3.4, and apply for each channel within a package that is activated for Network Access. In addition, all applicable *Terms, Conditions*, rates, and charges specified in the General Exchange Guidebook will apply, unless otherwise stated herein. (T)
- C. Rates and charges specified in other guidebook sections for services such as Touch-Tone, Custom Calling Service, etc., are in addition to the monthly rate for MegaLink channel services. Also, the rates and charges for other services that may be interconnected or extended beyond the basic MegaLink channel service, such as off-premises stations, tie lines, Foreign Exchange Service, private lines, etc., are in addition to the rates specified in this Guidebook for those portions of channel services necessary to provide end-to-end service. Rates and charges for single MegaLink service channels used to connect MegaLink channel services when used as part of the same communications system, will be as specified in B7.1.
- D. All usual and applicable Service Connection Charges and/or Nonrecurring Charges as specified in other service publications apply to the activation, move or change of channel equivalents within MegaLink channel service packages as well as for installation of the basic system. Suspension of service is not permitted with MegaLink channel service.
- E. MegaLink channel service systems and feature activations are available on a month-to-month basis or under variable rate periods, with rates based on lengths of 36 months, 60 months¹, or 84 months¹ under conditions specified in B2.4 except as modified following. Contract rate increases are subject to the stipulations of paragraph F. All elements of a contract will expire at the same time (be coterminous).
 - Individual network access service and private line channel services that are connected to MegaLink channel service are not offered under MegaLink channel service contract provisions. They are subject to their standard guidebook provisions as appropriate.
- F. MegaLink channel service rates under contract will not be increased by Company initiative until the contract period expires. Those monthly rates for Basic System Capacity and Feature Activation 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 option at current rates or revert to current rates on a month-to-month basis.

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

B7.3.2 Application Of Rates (Cont'd)

- G.** 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 fifty percent (50%) of the following: the number of months remaining in the contract times the monthly rate for the Basic System Capacity and Feature Activation which are provided under contract. This is subject to the exemptions of 1 and 2. (T)
1. No Termination Liability Charge will be applicable for the Basic System capacity when the customer renegotiates a new contract for the same equipment or larger system at the same location(s) for a period of time greater than the time remaining on the existing contract, subject to contract periods contained in E. (T)
 2. The Termination Liability Charge basis for Feature Activation rates will be 50 percent (50%) of the total monthly rate for the activated features under contract, which are being disconnected. All features activated under contract are coterminous with the basic system with which they are associated. Any features subscribed to on a month-to-month basis have a minimum service period of one month and no associated termination charge liability. (T)
 3. The Termination Liability charge for moves of MegaLink channel service under CSPP from one location to a different location in Company territory within the same state, with the exception of inside moves, will not apply. Instead, the provisions set forth in B2.4.9.A.12 will apply. (T)
- H.** Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as specified in B7.3.4.C.

B7.3.3 Digital Architecture and Definitions

A. Digital Architecture

MegaLink channel service differs in provisioning method and numbering format from single channel services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.

Both analog and digital channels are offered by the Company. Where traditional analog voice grade signals are provided to a customer at his premises, then comparable performance specifications to the Series 2100 (or 2000) Channel Services will be provided, as contained in this *Guidebook* or the General *Exchange Guidebook*. (T)

Many MegaLink service channels will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like tie lines, off-premises stations, and PBX trunks can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DS0 channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications of the MegaLink service channel which is actually terminated. Each DS0 channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

(T)

B7.3.3 Digital Architecture And Definitions (Cont'd)

B. Definitions

CHANNEL SERVICE UNIT (CSU)

The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DSO

The term DSO denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal. The required format and interface specifications referenced in BellSouth Services Technical Reference 73525.

DS1

The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Services Technical Reference 73525.

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

B7.3.4 Rates and Charges

A. Basic System Capacity

The rates for a basic system without activated features for voice or data grade service are as follows:

1. Central Office¹

	Nonrecurring Charge	Month to Month	24 to 48 ² Months	49 to 72 ² Months	73 to 96 ² Months	USOC
(a) 24 Voice Equivalent Channels	\$ 265.00	\$ 210.00	\$ 189.00	\$ 171.00	\$ 154.00	VUM24
(b) 48 Voice Equivalent Channels	315.00	410.00	369.00	333.00	300.00	VUM48
(c) 96 Voice Equivalent Channels	405.00	800.00	720.00	648.00	584.00	VUM96
(d) 144 Voice Equivalent Channels	495.00	1,038.00	935.00	842.00	758.00	VUM144
(e) 192 Voice Equivalent Channels	590.00	1,266.00	1,140.00	1,026.00	924.00	VUM192
(f) 240 Voice Equivalent Channels	680.00	1,482.00	1,334.00	1,197.00	1,078.00	VUM240
(g) 288 Voice Equivalent Channels	775.00	1,691.00	1,522.00	1,370.00	1,233.00	VUM288
(h) 384 Voice Equivalent Channels	960.00	2,061.00	1,855.00	1,670.00	1,503.00	VUM384
(i) 480 Voice Equivalent Channels	1,140.00	2,412.00	2,171.00	1,954.00	1,875.00	VUM480
(j) 576 Voice Equivalent Channels	1,330.00	2,752.00	2,477.00	2,350.00	2,275.00	VUM576
(k) 672 Voice Equivalent Channels	1,510.00	3,059.00	2,754.00	2,700.00	2,650.00	VUM672

B. Feature Activation

1. Central Office

	Nonrecurring Charge First	Month to Month Each Add'l	24 to 96 ² Mo Contract	USOC	
a. Analog Voice Service					
(1) For Exchange Line, Foreign Exchange, Off Premises Station, WATS Line, Trunk, Centrex Type Services station line, or Voice Private Line use					
(a) Per feature activated ^{3,4,5}	\$10.00	\$9.00	\$6.50	\$5.00	1PQW+
(2) For Tie Line use					
(a) Per feature activated ^{3,4,5}	10.00	9.00	10.00	8.00	1PQW+
b. Analog Data Service					
(1) For data transmission use					
(a) Per feature activated ^{3,4,5}	10.00	9.00	10.00	8.00	1PQW+
c. Digital Data Service					
(1) For 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56 Kbps, and 64 Kbps data rates					
(a) Per feature activated ^{3,4,5}	10.00	9.00	13.00	11.00	1PQW+
d. Broadband Exchange Line Service					
(1) For 56 Kbps and 64 Kbps data rates					
(a) Per feature activated ^{3,4,5}	10.00	7.50	10.00	8.00	1PQW+

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

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 3: The first nonrecurring charge is applicable to the first channel activated of a particular type. It is also applicable to a first channel of that type which is installed at a later time. (T)(M)

Note 4: Each additional nonrecurring charge is applicable to each additional channel activated of the same type, and at the same time. (T)(M)

Note 5: Represents 1 (one) voice equivalent channel per feature activated. (T)(M)

Pages 20 through 22 are hereby deleted in their entirety and removed from this Guidebook.

(N)

B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

B7.3.4 Rates and Charges (Cont'd)

C. Transfer Charges

1. Transfer Between Customers

(a) Per transfer

Nonrecurring Charge	USOC
\$50.00	NA

D. Mileage Charges

Rates and charges for MegaLink service and MegaLink Plus service as contained in B7.1 and B7.9 are applicable. Generally, one 1.544 Mbps channel is required for each group of 24 voice equivalent channels provided. (T)

E. Automatic Protection Switching

Automatic Protection Switching for a MegaLink service interface provides automatic DS1 channel switching to a backup DS1 channel upon primary facility failure. When provided via MegaLink service, this feature requires purchase of an additional MegaLink service channel from B7.1 for each backup channel required. Rates, charges and availability of this equipment will be negotiated with the customer on an individual case basis. This feature may not be available with lines utilizing the Clear Channel Capability line code (B8ZS). (T)

F. Switching Arrangements, multipoint/multi-station Bridging and Data Conditioning rates.

Rates and charges are those that would be applicable to single channel services.

G. Signaling Arrangements

Rates and charges for single channels, as contained in A13.1 of the General *Exchange Guidebook* and Section B3 of this *Guidebook* are not applicable to local channel and interoffice link segments that are channelized under the MegaLink channel services offering. However, rates and charges for automatic ring down (20 Hz.) signaling, as contained in Section B4 are applicable when this is desired by the customer. (T)

H. Network Access Service

Applicable *Terms, Conditions* and rates for access to the exchange network are in A3 of the General *Exchange Guidebook*. (T)

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service

B7.4.1 General

- A. LightGate service is an intraLATA fiber optic based, digital service which provides channelization capability for the customer in packages based on systems consisting of DS3, DS1, STS-1, OC-3, OC-12, OC-48 and OC-192 channels. It will provide local channels and/or interoffice channels in the following system sizes:
- Asynchronous - LightGate 1
 - Synchronous - STS-1, OC-3, OC-12, OC-48 and OC-192 LightGate service

Asynchronous systems are capable of transporting DS1 and DS3 channels. Synchronous systems are capable of transporting all channels. The capacity of each LightGate service System is shown in the following table:

<u>LightGate System</u>	<u>DS1</u>	<u>DS3</u>	<u>STS-1</u>	<u>OC-3</u>	<u>OC-12</u>	<u>OC-48</u>
LightGate 1	28	1				
LightGate STS-1	28		1			
LightGate OC-3	84	3	3	1		
LightGate OC-12	336	12	12	4	1	
LightGate OC-48	1344	48	48	16	4	1
LightGate OC-192	5376	192	192	64	16	4

- B. Channelization is provided by LightGate service Systems which furnish fiber optic transport from the central office to a customer's premises. Channel interfaces are offered to provide individual DS1, Flex DS1, DS3, DS3 (Asymmetrical with DS1/Flex DS1), STS-1, OC-3, OC-12, OC-48, 10 Mbps, 100 Mbps, Fractional 1000 Mbps and 1000 Mbps channels. The customer may channelize all or part of a LightGate service package to activate data facilities for interconnection with the switched network, voice grade and data facilities for private line channels, as well as other LightGate services. The customer may also choose not to channelize all or part of a LightGate service package allowing direct connection to other LightGate services, DS3 or DS1 services as provided in *this Guidebook* or the General *Exchange Guidebook*. OC-12, OC-48 and OC-192 LightGate service local channel systems and OC-192 interoffice channel systems are only available as channelized. (T)

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

- D. OC-3, OC-12 and OC-48 LightGate service local channel systems may have an optical physical interface at either the serving wire center or the customer termination location. Where a customer elects to order a LightGate service local channel system with optical termination at the customer's location, the customer's termination equipment must be compatible with Company equipment in the serving wire center. Customers are also required to utilize compatible channel interface combinations to function with Company provided central office channel interfaces. The Company reserves the right to determine the equipment it employs for service.
- E. This service is available within a LATA from wire centers where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability.
- F. 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface.
- G. All LightGate services in a customer's package must be channelized in a single equipment location on a customer's premises, i.e., a package cannot be split between premises, or multiple locations within a premises. Standard network interfaces will be provided by the Company for digital services consistent with existing practices for single channel services.
- H. Individual channels within a LightGate service package may be connected with service offered in other sections of *this Guidebook* and the General *Exchange Guidebook* as appropriate. The *Terms, Conditions*, rates and charges in this *Guidebook* are applicable for the LightGate service component of the customer's end-to-end service. Single channel service components (non-LightGate service links) are subject to the *Terms, Conditions*, rates and charges in their respective Sections. (T)
- I. The customer may activate any number or combination of channels within a LightGate service package within the capacity limits of the Basic System. Channels may be activated coincident with initial service or at any time subsequent to basic system installation. Once activated, a channel is subject to a minimum service period in accordance with the contract terms. Features (channels) activated under month-to-month rates will have a minimum service period of one month.
- J. Two additional levels of reliability are offered as options of basic LightGate service. These service levels provide guaranteed Separate Alternate Facilities Transport (SAFT Levels I & II) for improved protection of local channel systems extended from the first outside plant service access point outside the Company's serving wire center to the last outside plant service access point prior to entering a customer's premises.
SAFT Level I – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, from the primary facilities.
SAFT Level II – Service protection facilities will be guaranteed to be provided in a separate sheath, i.e., cable, separate supporting structure and route from the primary facilities. Intermediate equipment, if required, will be configured to prevent a single service interruption point. If existing facilities are not available, special construction charges may apply.
- K. LightGate service interoffice channel systems are intended to extend LightGate service local channels to other central offices. In addition these channels, may be provided on a stand-alone basis when used in a "link" arrangement with other services in this *Guidebook* and the General *Exchange Guidebook*. (T)
- L. The level of automatic protection switching capability varies for LightGate service asynchronous and synchronous channels. For asynchronous channels, automatic protection switching capability is a standard service feature that automatically switches customer service to protection facilities upon primary facility failure. Card protection (1+n) is provided for DS1, DS3 and STS-1 channel interfaces as a standard feature. For synchronous channels, automatic protection switching capability is provided via the synchronous customer or central office channel 4-fiber interfaces. These 4-fiber interfaces provide 1+1 optical card protection of the interface. The specifications for these interfaces are contained in BellSouth Telecommunications, Inc. Technical Reference #73501.
- M. The termination of channelization equipment will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source of non-switched 120 volt, 60 Hz ac power to support this service.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.1 General (Cont'd)

- N. Channelization of DS3 (electrical) data rates on a customer's premises may also be provided by the customer. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company.
1. Responsibilities of the Company:
 - a. The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
 - b. The Company will provide the customer with information regarding the type and the manufacturer of central office channelization equipment to be used in each application.
 - c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
 - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover if required.
 - f. Digital synchronization timing for LightGate services will be provided by the Company.
 2. Responsibilities of the Customer:
 - a. The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
 - b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with the Company provided channelization at the central office.
 - c. The customer must provide suitable power for his own equipment. Simplex powering will not be provided by the Company for a customer's Channel Service Units due to the serving arrangements associated with fiber optic facilities.
 3. Trouble resolutions:

The Company will assist the customer in resolving any installation or day to day channel service problems. However, the Company does not assume responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Trouble Determination Charge to the customer, as provided in this *Guidebook*. (T)
- O. The technical specifications and standard network interfaces for LightGate service, DS1, and associated channelization are contained in BellSouth Technical Reference #73501. This publication is available from *AT&T* Telecommunications, Inc., Documentation Operations, North W5A1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Channelized DS1 service is available only with D4 channel bank equipment or compatible equivalent equipment. (T)

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

(T)

B7.4.2 Application Of Rates

- A. Monthly rates and charges as specified in B7.4.5 apply for each LightGate service. These rates apply regardless of the number of circuit equivalents within each package that are actually activated by the customer at a point in time. (T)
1. Local channel systems furnished between a Serving Wire Center and the customer's premises are distance sensitive. Local channel systems include the transport common equipment, and first half air-mile of local channel facilities at rates specified in B7.4.5.A. Rates for additional lengths of local channel facilities are as specified in B7.4.5.B. (T)
 2. Separate Alternate Facility Transport (SAFT) options for LightGate service local channels are offered at the rates specified in B7.4.5.C.. These rates are in addition to local channel system rates. (T)
 3. Interoffice channel system mileage rates and charges are as specified in B7.4.5.D. (T)
- B. (DELETED)
- C. (DELETED)
- D. All usual and applicable Installation Charges and/or Nonrecurring Charges as specified in other *service publications* apply to the activation, move or change of channel equivalents within LightGate service packages as well as for installation of the basic system. Suspension of service is not permitted with LightGate service. (T)
- E. Channel interfaces are required for LightGate service based upon the following guidelines: (T)
1. Channel interfaces are required at both the customer's location and the serving wire center for LightGate service local channel systems and at both termination points of a LightGate service interoffice channel, except as specified in 2. (T)
 2. A LightGate service central office channel interface is not required for a synchronous LightGate service local channel system with optical termination in the serving wire center. A LightGate service local channel system with optical termination in the serving wire center may connect in one of the following ways: (T)
 - to another LightGate service local channel or interoffice channel at the compatible optical level, (T)
 - to a SMARTRing service channel interface (CI) at the compatible optical level, or (T)
 - to a compatible optical level channel interface from a higher level LightGate service local channel or interoffice channel. (T)
 3. LightGate service channel interfaces are only offered in conjunction with a LightGate service System. (T)
 4. Company provided DS1 customer channel interfaces are offered only with LightGate 1, LightGate STS-1 and LightGate OC-3 Basic Systems. (T)
 5. OC-12 and OC-48 LightGate service local channel systems require a 28 DS1, STS-1, or OC-3 channel system in addition to DS1 channel interfaces in the central office to derive DS1 channels in the serving wire center. OC-192 LightGate service local channel systems require an OC-3 channel system in addition to DS1 channel interfaces to terminate DS1 channels in the serving wire center. (T)
 6. OC-192 LightGate service local channel systems require an OC-3, OC-12 or OC-48 channel system in addition to DS3 or STS-1 channel interfaces to terminate DS3 or STS-1 channels in the serving wire center. (T)
 7. OC-3 LightGate service local channel systems which require a DS3 termination at one location and DS1 terminations at the other, have the following options available: (T)
 - A DS3 channel interface at the customer location and a 28 DS1 channel system in addition to DS1 channel interfaces at the serving wire center, or
 - A DS3 (asymmetrical with DS1) interface at one termination point and DS1 channel interfaces at the other termination point.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.2 Application of Rates (Cont'd)

- K. LightGate service rates under contract will not be increased by Company initiative until the contract period expires. Those monthly rates for LightGate service 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 contract rates or revert to current rates on a month-to-month basis. If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4. (T)
- L. 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 fifty percent (50%) of the monthly rates for the LightGate service rates which are provided under contract, and are subject to the exemptions of 1. and 2. (T)
 - 1. No Termination Liability Charge will be applicable for the LightGate service System when the customer renegotiates a new contract for the same system at the same location(s) for a period of time greater than the time remaining on the existing contract, subject to contract periods contained in J. (T)
 - 2. Termination Liability Charges do not apply to channel interfaces under the Channel Services Payment Plan.
- M. Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as determined on an individual case basis.

B7.4.3 Digital Architecture and Definitions

A. Digital Architecture

- 1. LightGate services differ in provisioning method and numbering format from single channel services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future. Many LightGate service channels will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like tie lines, off-premises stations, and PBX trunks can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DS0 channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superceded by the electrical specifications of the 1.544 Mbps (DS1) channel which is actually terminated. Each DS0 channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services. Any Channel Service Units necessary for digital services are the responsibility of the customer.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

(T)

B7.4.3 Digital Architecture And Definitions (Cont'd)

B. Definitions

CHANNEL SERVICE UNIT

The term Channel Service Unit denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DS0

The term DS0 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps. transmission bit rate signal. The required format and interface specifications are referenced in BellSouth Technical Reference #73501.

DS1

The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero bit stream format, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

DS3

The term DS3 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 44.736 Mbps. transmission data rate and provides for two-way simultaneous transmission of randomized Non-Return-to-Zero signals with a B3ZS format. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

LIGHTGATE SERVICE 1

The term LightGate 1 service denotes a service which provides extended service capability of DS3 data rates to the customer or multiplexed DS1 and DS0 channels based upon configurations desired. Appropriate electrical signals will be provided in accordance with the specifications of BellSouth Technical Reference #73501. The total capacity to be provided is a single 44.736 Mbps. transmission rate. This offering is intended to be a flexible, link connectable transport service for large customers with the capability of connecting with individual exchange and private line services, MegaLink channel service, SMARTRing service, and/or other LightGate services. (OBSOLETE. SEE SECTION B107.)

(T)

(T)

SYNCHRONOUS LIGHTGATE SERVICES

LightGate service is available in the following synchronous systems: STS-1, OC-3, OC-12, OC-48 and OC-192. These offerings are intended to be a very flexible, link connectable transport service for the very large customer. They have the capability of connecting with individual exchange and private line services, MegaLink channel service, SMARTRing service and/or other LightGate services. Appropriate electrical and optical signals will be provided in accordance with the specifications of BellSouth Technical Reference #73501.

(T)

(T)

SYNCHRONOUS OPTICAL NETWORK (SONET)

SONET defines a progressive hierarchy of optical signal and line rates. The basic building block is the STS-1 (Synchronous Transport Signal at level 1), operating at 51.840 Mbps. All higher rate signals (STS-N) are multiples of the basic STS-1 signal rate. The optical counterpart of a STS-N is the OC-N, operating at the same rate as the corresponding STS-N. The required format and interface specifications are contained in BellSouth Technical Reference #73501.

B7.4.4 Rates and Charges (Obsoleted. See Section B107.)

Pages 29 through 34.1 are hereby deleted in their entirety and removed from this Guidebook.

(N)

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.5 Rates and Charges (Cont'd)

D. Interoffice Channels (Cont'd) (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

7. Central Office Channel Interfaces

	Nonrecurring Charge	Month to Month	24 to 48 ³ Months	49 to 72 ³ Months	73 to 96 ³ Months	USOC
(p) Per 10 Mbps ¹	\$450.00	\$ 500.00	\$ 175.00	\$ 155.00	\$ 140.00	1PQEH
(q) Per 100 Mbps (3-STS-1) – Electrical ¹	450.00	540.00	210.00	190.00	170.00	1PQEJ
(r) Per 100 Mbps (3 STS-1) - Optical	450.00	540.00	210.00	190.00	170.00	1PQDJ
(s) Per Fractional 1000 Mbps ¹						
- 50 Mbps – 1 STS-1	450.00	520.00	190.00	170.00	150.00	1PQEM
- 150 Mbps – 3c STS-1	450.00	560.00	230.00	210.00	190.00	1PQEN
- 150 Mbps – 3 STS-1	450.00	560.00	230.00	210.00	190.00	1PQDN
- 300 Mbps – 6c STS-1	450.00	600.00	300.00	280.00	260.00	1PQER
- 300 Mbps – 6 STS-1	450.00	600.00	300.00	280.00	260.00	1PQDR
- 450 Mbps – 9c STS-1	450.00	640.00	340.00	310.00	290.00	1PQES
- 450 Mbps – 9 STS-1	450.00	640.00	340.00	310.00	290.00	1PQDS
- 600 Mbps – 12c STS-1	450.00	700.00	380.00	340.00	320.00	1PQET
- 600 Mbps – 12 STS-1	450.00	700.00	380.00	340.00	320.00	1PQDT
- 1000 Mbps – 21 STS-1 ²	400.00	740.00	520.00	475.00	425.00	1PQEK
- 1000 Mbps – 24c STS-1 ²	400.00	740.00	520.00	475.00	425.00	1PQEW
(t) Per Fibre Connection (FICON TM) (21 STS-1)	500.00	810.00	570.00	520.00	470.00	1PQGA
(u) Per Fibre Connection (FICON TM) (24c STS-1)	500.00	810.00	570.00	520.00	470.00	1PQGB
(v) Per Fibre Connection (FICON TM) Express (48 STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	1PQGC
(w) Per Fibre Connection (FICON TM) Express (48c STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	1PQGD
(x) Per Fibre Channel 100 (21 STS-1)	500.00	830.00	580.00	530.00	480.00	1PQGE
(y) Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	1PQGF
(z) Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQGG
(aa) Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQGH

Note 1: Available only for systems installed on or after December 20, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 2: Available only for systems installed on or after November 28, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

(M)

B7.4.5 Rates and Charges (Cont'd)

(M)

		Nonrecurring Charge			
		Initial	Subsequent	USOC	
E.	Concatenation Rearrangement Charge				(M)
1.	Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit				(M)
	(a) Per circuit	\$0.00	\$500.00	NRCCN	(M)
F.	C-Bit Parity				(M)
1.	Per DS3 circuit rearranged to have C-Bit Parity added or removed subsequent to the initial installation of the circuit.				(M)
	(a) Per circuit	\$0.00	500.00	NRCCB	(M)
G.	Moves				(M)
1.	A move involves a change in the physical location of one of the following:				(M)
	a. the point of interface at the customer premises, or				(M)
	b. the customer's premises				(M)
2.	When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new LightGate service arrangement at the new location.				(M)
	When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.				

B7.5 MegaLink ISDN Service (Obsoleted, See Section B107.)

(T)

B7. DIGITAL NETWORK SERVICE

B7.6 Reserved For Future Use

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service

B7.7.1 General

- A. SMARTRing service is a dedicated, high capacity, network designed to provide increased reliability and functionality via a self-healing ring topology between multiple customer designated locations and Company Central Offices where facilities can be made available as determined by the Company. This network consists of fiber routed through local, alternate central office, internodal and/or interoffice channel facilities that transmit DS1, DS3, STS-1, OC-3, OC-12, OC-48, OC-192 and/or 1000 Mbps channel services simultaneously over primary and alternate paths between customer designated locations and Company Central Offices. This ring topology will continually monitor DS1, DS3, STS-1, OC-3, OC-12, OC-48, OC-192 and/or 1000 Mbps service quality, detect any failure within the system, and automatically self-heal around a point of failure to ensure the flow of DS1, DS3, STS-1, OC-3, OC-12, OC-48, OC-192 and/or 1000 Mbps Services between locations within the self-healing network. For locations where a customer requests SMARTRing service and facilities are not available, construction charges will apply as set forth in Section B5 for cases involving extraordinary cost. Customers may purchase SMARTRing asymmetrical¹ optical interfaces up to the full ring capacity at a customer node or central office node, as shown in the Channel Interface chart following. For example, an OC-12 SMARTRing may have an OC-12 asymmetrical optical interface and an OC-48 SMARTRing may have an OC-48 asymmetrical optical interface. The interface capacity cannot exceed the node capacity of the host SMARTRing. (T)

Note 1: An asymmetrical arrangement allows a customer to input a lower level interface at one node and aggregate onto a higher level optical interface at another Customer Node. For example, the customer had a four node OC-48 SMARTRing with DS3 interfaces at Nodes A, B and C. The customer wants to aggregate multiple DS3s to Node location D, which can be an OC-48 optical interface. The customer can aggregate up to 48 DS3 interfaces to the OC-48 optical interface at Node D via Connecting Facility Assignments (CFA) in the ordering process.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.1 General (Cont'd)

- J.** SMARTRing service OC-3, OC-12, OC-48, OC-48+, OC-192 or OC-192+ capacity installed on or after June 3, 1994, is also available with FlexServ service Customer Network Management (CNM) under the rates, *Terms and Conditions* set forth following. FlexServ service CNM is available with two options: (1) Surveillance or (2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SMARTRing service should advise the Company at the time the initial service is requested. When the customer requests to add either FlexServ service option subsequent to the initial service installation, a SMARTRing service Rearrangement charge applies as set forth in 7.5.14. Customers who desire to only monitor their rings may order only Surveillance. However, customers who order Reconfiguration must already be subscribing to Surveillance or be ordering Surveillance coincident with Reconfiguration. Reconfiguration may not be ordered without Surveillance. (T)

Reconfiguration is provided on a per STS-1 basis. Within each STS-1 group, all activated interfaces must be optioned the same (either all Surveillance only or all Surveillance and Reconfiguration). Customers who wish to utilize this service to reconfigure DS1 interfaces must purchase the FlexServ service Reconfiguration option for all DS1 interfaces associated with the STS-1 group with which the customer desires to have equipped with FlexServ service capability.

When the customer orders Reconfiguration, the customer must order a sufficient quantity of SMARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.

Reconfiguration is not available with 100 Mbps and 1000 Mbps Metro Ethernet Backbone interfaces.

- K.** SMARTRing service ordered and installed after May 12, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SMARTRing service to establish an adjunct virtual packet ring. A virtual packet ring is separate and apart from the SONET capabilities associated with high capacity channel transport via DS1 through OC-48 interfaces. A virtual packet ring provides the capability for a customer to transport Ethernet LAN traffic utilizing Basic Shared Ethernet LAN Access Links that have best effort service capabilities in which the throughput associated with a virtual packet ring are controlled/affected by the customer's traffic and network configuration. Since this is a Best-Effort service, the Company does not guarantee any performance levels including packet loss, latency or jitter of the customer's network if the customer chooses to oversubscribe his network. (T)

SMARTRing service Basic Shared Ethernet LAN Access Links are available based on equipment capability and a customer's requested service configuration. Upon a customer request for Basic Shared Ethernet LAN Access Links, equipment capability associated with the requested configuration shall be determined. Upon successful determination of the functionality of the customer's requested arrangement, the requested service shall be made available.

Basic Shared Ethernet LAN Access Links are further defined per TR 73582. Basic Shared Ethernet LAN Access Links are available only at Customer Nodes.

10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN Customer Channel Interfaces provide multipoint functionality, i.e., Ethernet frames are delivered to two or more locations on a customer's SMARTRing service on a best effort basis. This is a multipoint connection with a bandwidth defined by a Virtual Packet Ring. A Virtual Packet Ring Connection is the medium by which two or more locations exchange Ethernet frames. The bandwidth of the Virtual Packet Ring Connection is determined by the number of STS1's reserved for the Virtual Packet Ring Connection. In order for a customer to access the Virtual Packet Ring, SMARTRing service Customer Nodes must have a 10 Mbps Basic Shared Ethernet LAN, 100 Mbps Basic Shared Ethernet LAN and/or Fractional 1000 Mbps Basic Shared Ethernet LAN interface.

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.2 Application of Rates (Cont'd)

F. SMARTRing service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582. The interface rates for asymmetrical arrangements are the same as the rates for symmetrical arrangements except as follows:

- For lower level DS1 interfaces in an asymmetrical arrangement with an STS-1 interface, the DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination.
- For lower level DS1 interfaces in an asymmetrical arrangement with a DS3 interface, the DS3 (Asymmetrical with DS1) interface rate element applies in lieu of the DS3 interface for the higher level termination of the asymmetrical arrangement

G. In addition, customers with DS3 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28 DS1 Channel System, and the appropriate number of DS1 Channel Interfaces. The applicable rate elements for this arrangement are a DS3 Interface at the Customer Node and a 28 DS1 Channel System with DS1 Interfaces at the Central Office Node. The SMARTRing service 28 DS1 Channel System does not require a DS3 interface at the Central Office Node. A maximum of 28 DS1 Channel Interfaces can be activated for each 28 DS1 System utilized. Nonrecurring charges apply for each 28 DS1 Channel System. Nonrecurring charges also apply for each DS1 Channel Interface in a 28 DS1 Channel System. The recurring rate applies for each 28 DS1 Channel System and each DS1 Channel Interface in a 28 DS1 Channel System.

H. In order to accommodate more flexible customer situations, SMARTRing service is available under several payment plans¹: 36 Month Term Payment Plan (24-48 months), 60 Month Term Payment Plan (49-72 months), or 84 Month Term Payment Plan (73-96 months). The 36, 60, and 84 Month Term Payment Plans are provided under conditions specified in the Channel Services Payment Plan, (CSPP), B2.4.9, except as modified following. For all payment plans, the following **Terms and Conditions** apply:

1. All rate elements, except Channel Interfaces for a given SMARTRing service, whether initially or subsequently ordered, must be provided under the same payment plan with the same service period and are coterminous upon disconnect of the SMARTRing service. Channel Interfaces may be ordered under payment plans equal to or less than the selected payment period for the given SMARTRing service.
2. The rates applicable to a month-to-month payment plan are subject to Company initiated changes.
3. A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times fifty percent (50%) of the monthly rates for SMARTRing service which include all Nodes, Local Channels, Alternate Central Office Channels, Internodal Channels and/or Interoffice Channels provided under the CSPP arrangement. For services under the month-to-month payment plan, a termination charge is equal to the number of months remaining in the twelve month minimum times the month-to-month rates in effect for SMARTRing service at the time of termination.
4. When a service period under an existing CSPP arrangement is completed and a customer elects to revert to a month-to-month payment option, no minimum period is applicable. If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.
5. Additions of services or rate elements, for activating spare or unused capacities of a SMARTRing service under a CSPP arrangement, must be activated at the same rates and charges specified under the existing CSPP arrangement. Channel interfaces may be ordered as specified in paragraph 1.
6. Additions of services or rate elements, i.e. new local channels, interoffice channels, etc., other than for activating spare or unused capacities, must be under a new CSPP arrangement at rates and charges as specified in paragraph 1. The new CSPP arrangement must be at least 24 months and must be coterminous with the CSPP arrangement for the existing SMARTRing service.
7. (DELETED)

Note 1: All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates.

(T)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing Service (Cont'd)

- Metro Ethernet Access Links must be Optical and must work with an optical VPR. Metro Ethernet Access Links are sized in a static configuration, meaning that they will not allow bursting up to the line speed. This is important when configuring Metro Ethernet, VPR and the Metro Ethernet Access Link. If the Metro Ethernet circuit supports bursting then each Metro Ethernet Access Link needs to be configured to match the maximum bandwidth allowed. The VPR will also need to be configured to match the burst capability.
- Metro Ethernet Access Link service uses the SMARTRing service as transport and broadcasts the Metro Ethernet to all Metro Ethernet Access Links associated with a specific VPR. Connection with the Metro Ethernet circuit at the SMARTRing central office node is limited to optical connections.
- Metro Ethernet and SMARTRing Metro Ethernet Access Links are limited to the following connections:

<u>Metro Ethernet Connection</u>	<u>SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Central Office</u>	<u>SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Customer Premises</u>
Basic 1000 Mbps	1000 Mbps	1000 Mbps
Premium 100 Mbps Optical (Fixed)	150 Mbps	150 Mbps
Premium 250 Mbps (Fixed)	300 Mbps	300 Mbps
Premium 500 Mbps (Fixed)	600 Mbps	600 Mbps
Premium 100, 250, 500 Mbps (Burst)	1000 Mbps	1000 Mbps
Premium 900 Mbps, 1000 Mbps	1000 Mbps	1000 Mbps
Virtual Ethernet Service 100 Mbps	150 Mbps	150 Mbps
Virtual Ethernet Service 200 Mbps	300 Mbps	300 Mbps
Virtual Ethernet Service 300 Mbps	300 Mbps	300 Mbps
Virtual Ethernet Service 450 Mbps	450 Mbps	450 Mbps
Virtual Ethernet Service 600 Mbps	600 Mbps	600 Mbps
Virtual Ethernet Service 750, 900, 1000 Mbps	1000 Mbps	1000 Mbps

- Customer requested upgrades of SMARTRing service will involve a service outage associated with Basic Shared Ethernet LAN Access Links, for which a credit for service outage shall not apply.
- Shared Node Interconnection (SNI) is available, based on equipment capability, whereby two SMARTRing service arrangements belonging to the same customer may share a node in a central office that is common to both rings.

Page 44.1 is hereby deleted in its entirety and removed from this Guidebook.

(N)

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)

B7.7.4 Rates and Charges

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service)

	Nonrecurring Charge	Month to Month	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
1. Local Channel Mileage Rates (All Capacities)						
(a) Per Local Channel	\$500.00	-	-	-	-	1HVXX
(b) Per quarter air mile	-	\$ 95.00	\$ 83.00	\$73.00	\$68.00	1HVAX
2. Alternate Central Office Channel Mileage Rates (All Capacities)						
(a) Alternate C.O. Channel, per channel	500.00	-	-	-	-	1HAXX
(b) Per quarter air mile	-	685.00	280.00	175.00	140.00	1HAAX
3. Interoffice Channel Mileage Rates						
(a) Fixed, OC-3 capacity	195.00	50.00	36.00	32.00	27.00	1HXXF
(b) Fixed, OC-12 capacity	195.00	145.00	130.00	115.00	105.00	1HXXF
(c) Per quarter air mile (OC-3 capacity)	-	45.00	32.00	23.00	18.00	1HXAX
(d) Per quarter air mile (OC-12 capacity)	-	50.00	36.00	30.00	23.00	1HXAX
(e) (DELETED)						
(f) Fixed, OC-48 and (OC-48+ capacity)	195.00	340.00	270.00	260.00	250.00	1HXXF
(g) Fixed, OC-192 and OC-192+ capacity	240.00	770.00	635.00	610.00	590.00	1HXXF
(h) (DELETED)						
(i) Per quarter air mile (OC-48 and 48+ capacity)	-	50.00	36.00	30.00	23.00	1HXAX
(j) Per quarter air mile (OC-192 and OC192+ capacity)	-	50.00	36.00	30.00	23.00	1HXAX
4. Internodal Channel Mileage Rates						
(a) Per Internodal Channel, Same Wire Center area	500.00	-	-	-	-	1HNXX
(b) Per quarter air mile, Same Wire Center	-	1,400.00	535.00	415.00	345.00	1HNWX
(c) Per Internodal Channel, Same Office Park/Campus Environment in Contiguous Serving Wire Center areas	500.00	-	-	-	-	1HNZX
(d) Per quarter air mile, same Office Park/Campus Environment in contiguous Serving Wire Center areas	-	1,600.00	650.00	465.00	390.00	1HNCX
5. Customer Node (per Node)						
(a) OC-3 capacity	435.00	2,200.00	990.00	900.00	810.00	SHNC3
(b) (DELETED)						
(c) OC-12 capacity	465.00	3,400.00	1,980.00	1,800.00	1,575.00	SHNC1
(d) OC-48 capacity	465.00	5,220.00	4,410.00	4,050.00	3,510.00	SHNN8
(e) OC-48+ capacity	465.00	5,850.00	4,410.00	4,050.00	3,510.00	SHNN9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN6
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN2

Note 1: All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates.

(T)
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(M)
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B7. DIGITAL NETWORK SERVICE

B7.8 Reserved For Future Use

B7.9 MegaLink Plus Service (T)

B7.9.1 General

- A. MegaLink Plus service is furnished for Private Line IntraLATA Communications by the Company. (T)
- B. MegaLink Plus service is a service for transmission of digital signals only and uses only digital transmission facilities. (T)
- C. MegaLink Plus service is a fiber-based high capacity network service providing a 1.544 Mbps transport link with high performance and reliability parameters. This service utilizes structurally diverse loop facilities designed to limit single points of failure between a customer's location and its normal serving wire center. (T)
- D. MegaLink Plus service is available to customer locations where existing loop facilities are fiber-based and utilize structurally diverse routes. For locations where loop facilities are not available to satisfy customer requests for MegaLink Plus service, special construction charges will apply as set forth in Section B5. (T)
- E. The technical specifications and standard network interfaces for MegaLink Plus service are contained in BellSouth Technical Reference Publication 73525. This publication is available from Regional Documentation Services, 600 North 19th Street, 20th Floor, Birmingham, Alabama 35203. (T)

B7.9.2 Terms and Conditions (T)

- A. Description of Service
 - 1. MegaLink Plus service utilizes a self-healing diverse fiber-based local channel (loop) transport link between a customer designated premises and the normal serving wire center. (T)
 - 2. MegaLink Plus service is furnished on a link (partial) basis for connection at the normal serving wire center to another MegaLink Plus service, Centrex Type Services¹, MegaLink channel service, FlexServ service, LightGate service, or SMARTRing service. Connectivity between MegaLink Plus service and these other services may be provided via a MegaLink service Interoffice Channel between central offices. (T)
 - 3. All appropriate rates, charges, *Terms and Conditions* specified in other Sections for connected services are in addition to those for MegaLink Plus service specified in this *Guidebook*. (T)
 - 4. Performance objectives for MegaLink Plus service between the customer's location and the serving wire center are as follows: (T)
 - a. Meet or exceed 99.98 percent Circuit Availability.
 - b. Meet or exceed 99.95 percent Error Free Seconds.
 - c. Meet or exceed .010 Severely Errored Seconds.

The objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative, or when a MegaLink service Interoffice Channel is used in conjunction with a MegaLink Plus service Local Channel. Consult TR73525 for additional information concerning service performance objectives.
 - 5. Performance guarantees for MegaLink Plus service are as follows: (T)
 - a. Service Installation (T)

The Company will meet negotiated due date or credit an amount equal to the month-to-month payment plan nonrecurring charge according to the Service Installation Guarantee provisions described in B2.4.17.
 - b. Service Continuity (T)

In the event of primary failure, service is guaranteed to switch to an alternate facility path in sixty seconds or less. Failure to meet this guarantee will result in a credit as described in B7.9.2.E.3, where the trouble is in the local loop facility on public right-of-way.

Note 1: Connection from MegaLink Plus service to Centrex Type Services may not be available from all serving wire centers. (T)

B7. DIGITAL NETWORK SERVICE

B7.9 MegaLink Plus Service

B7.9.2 Terms and Conditions (Cont'd)

(T)

B. Definitions

MEGALINK PLUS SERVICE LOCAL CHANNEL

The MegaLink Plus service Local Channel provides for the connection between a customer's designated premises to their serving wire center.

C. Application of Rates

1. Monthly rates and charges as specified in B7.9.3.A apply for each MegaLink Plus service local channel.
2. Recurring and nonrecurring rates and charges apply for each MegaLink Plus service. Nonrecurring charges will not apply for the MegaLink Plus service Local Channel rate element when MegaLink Plus service is furnished under a payment plan other than month-to-month. Available payment plans are described in paragraph 3.
3. MegaLink Plus service is available under several payment plans: Month-to-month (with a one month minimum), Plan A (24-48 Months¹), Plan B (49-72¹ Months), and Plan C (73-96 Months¹) under conditions specified in the Channel Services Payment Plan (CSPP) in B2.4.
4. Month-to-month payment plan rates are subject to Company initiated changes. MegaLink Plus service rates provided under a CSPP arrangement are exempt from Company initiated rate increases for the duration of the payment plan length selected; however, decreases on recurring rates will flow through to the customer.
5. A Termination Liability Charge (TLC) is applicable at the date of termination. The applicable charge is dependent on the customer-specified payment period subscribed to and will be equal to fifty percent (50%) of the number of months remaining in the payment period times the monthly rate applicable. However, a TLC will not apply subject to the provisions set forth in B2.4.9.B or customer requested changes to services not covered by the CSPP that are offered by the Company under an optional payment plan.
6. A service performance credit as specified in E.3 will apply.

D. Connections

1. Customer Provided Terminal Equipment, Customer Provided Derivation Equipment and Customer Provided Communications Systems may be connected to MegaLink Plus service when such connection is made in accordance with the provisions specified in 2 and 3.
2. Responsibility of the Company
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of MegaLink Plus service to a network interface on the customer's premises.
 - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications system provided by a customer. MegaLink Plus service is not represented as adapted for 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 furnishing of facilities suitable for MegaLink Plus 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 communication system provided by a customer or authorized user due to testing.
 - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures of the Company utilized in the provision of MegaLink Plus service render any facilities or equipment provided by the customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.
 - d. The Company undertakes to maintain and repair facilities, which it furnishes. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Company without prior written consent of the Company.

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B7. DIGITAL NETWORK SERVICE

B7.9 MegaLink Plus Service (T)

B7.9.2 *Terms and Conditions* (Cont'd) (T)

- D. Connections (Cont'd)**
3. Responsibility of the Customer
 - a. The customer is responsible for installing and testing premises equipment or facilities to insure that when they are connected to MegaLink Plus service such equipment or facilities are operating properly. (T)
 - b. The operating characteristics of the customer premises equipment shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or other facilities of the Company; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
 - c. The customer's 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 will be responsible for all expenses incurred in changes to his premises equipment.
 - d. When MegaLink Plus service is connected at the serving wire center to another service which is provisioned with ANSI T1.403-1995 Extended Superframe Format (ESF) and/or Clear Channel Capability, the customer will be required to add the same format and/or line code standard to the MegaLink Plus service to ensure compatibility. Rates, *Terms and Conditions* associated with Clear Channel Capability are located in B7.1. (T)
- E. Payment Arrangements and Credit Allowances**
1. The minimum service period for MegaLink Plus service is one month. (T)
 2. Suspension of service is not allowed.
 3. Failure by the Company to meet the performance guarantee described in A.5.b will result in a credit of an amount equal to the monthly rate billed for the service. Credit for interruptions of sixty (60) seconds or more will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. A customer must report the outage in order to receive credit. The credit will apply no more than once per calendar month, and shall not exceed the monthly rate for the service. (T)
 4. MegaLink Plus service is eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in B2.4.17. (T)

B7. DIGITAL NETWORK SERVICE

B7.9 MegaLink Plus Service (T)

B7.9.3 Rates and Charges (Cont'd)

C. Service Rearrangements

If the change involves changing a customer's MegaLink service to MegaLink Plus service, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the MegaLink Plus service, as appropriate¹. Changes from MegaLink service to MegaLink Plus service will be considered an upgrade with regard to application of termination liability charges in accordance with the CSPP provisions provided in B2.4. (T)

D. Moves

1. A move involves a change in the physical location of one of the following:

- a. The point of interface at the customer premises.
- b. The customer's premises.

2. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

a. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the month-to-month nonrecurring charge. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the month-to-month service.

b. To a Different Building

When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new MegaLink Plus service month-to-month service arrangement at the new location. (T)

When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.

Note 1: Nonrecurring charges do not apply to MegaLink Plus service Local Channels provided under a contract plan. (T)

B7. DIGITAL NETWORK SERVICE

B7.10 MegaLink Light Service (T)

B7.10.1 General

- A. MegaLink Light service is furnished for Private Line IntraLATA Communications by the Company. (T)
- B. MegaLink Light service is a service for transmission of digital signals only and uses only digital transmission facilities. (T)
- C. MegaLink Light service is a fiber-based high capacity network service providing a 1.544 Mbps (DS1) transport link. (T)
- D. MegaLink Light service provides for the simultaneous two-way transmission of serial, Bipolar Return-to-Zero (BPRZ) isochronous digital signals, except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format, at DS1 speeds of 1.544 Mbps, and is available to customer locations where existing loop facilities are fiber-based. The rates specified for MegaLink Light service in B7.10.3 contemplate the provision of a digital quality facility via existing exchange facilities compatible with this service. When MegaLink Light service is requested at locations where loop facilities are not available to satisfy customer requests for MegaLink Light service, special construction charges will apply as set forth in Section B5. (T)
- E. The performance objectives, technical specifications and standard network interfaces for MegaLink Light service are contained in BellSouth Technical Reference Publication 73525. The performance objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative, when customer provided power is disconnected and/or inoperative, or when a MegaLink Light service is extended beyond its normal Serving Wire Center. TR 73525 is available from Regional Documentation Services, 600 North 19th Street, 20th Floor, Birmingham, Alabama 35203. (T)
- F. Unless specified following, the *Terms and Conditions* for MegaLink Light service specified herein apply in addition to the *Terms and Conditions* set forth in Section B2. (T)

B7.10.2 Terms and Conditions (T)

- A. Description of Service
 - 1. MegaLink Light service utilizes a fiber-based local channel (loop) transport link between a customer designated premises and its normal serving wire center. (T)
 - 2. MegaLink Light service is furnished on a link (partial channel) basis for connection at the normal serving wire center to Centrex Type Services¹, MegaLink channel service, FlexServ service, LightGate service or SMARTRing service. Connectivity between MegaLink Light service and these other services may be provided via a MegaLink service Interoffice Channel between central offices. Except for MegaLink service and MegaLink Plus service, those services connectable to a MegaLink service Interoffice Channel or a MegaLink Light service Local Channel may be utilized for completion of a customer's point-to-point channel service. (T)
 - 3. All appropriate rates, charges, *Terms and Conditions* specified in other Sections for connected services are in addition to those for MegaLink Light service specified in this *Guidebook*. (T)
 - 4. Performance objectives for MegaLink Light service between the customer's location and the serving wire center are as specified in BellSouth Technical Reference Publication 73525. (T)
 - 5. Performance guarantees for MegaLink Light service are as follows: (T)
 - a. Service Installation
 - The Company will meet negotiated due date or credit an amount equal to the month-to-month payment plan nonrecurring charge according to the Service Installation Guarantee provisions described in B2.4.17. (T)
 - b. Service Continuity
 - Service outages in the local loop facility, will result in a credit as described in E.3 where the trouble is in the local loop facility on public right-of-way. (T)
 - Note 1:** Connection from MegaLink Light service to Centrex Type Services may not be available from all serving wire centers. (T)

B7. DIGITAL NETWORK SERVICE

B7.10 MegaLink Light Service (Cont'd)

B7.10.2 Terms and Conditions (Cont'd)

B. Definitions

MegaLink Light Service Local Channel

The MegaLink Light service Local Channel denotes a path for MegaLink Light service furnished between the customer's premises and its normal serving wire center.

DS1

This denotes a channel service in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps data transmission rate, and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format except where intentional bipolar violations are introduced by Bipolar with 8 Zero Substitution (B8ZS) format. Unframed signal formats are not permitted or compatible with Company equipment. The required interface specifications are contained in BellSouth Technical Reference Publication 73525.

C. Application of Rates

1. MegaLink Light service Local Channels will be charged for at rates based on the first half mile and each additional half mile for the airline distance measured between the customer's premises and its normal Serving Wire Center.
2. Recurring and nonrecurring rates and charges apply for each MegaLink Light service. Available payment plans are described in 3.
3. MegaLink Light service is available under several payment plans: Month-to-Month, Plan A (24-48 Months¹), Plan B (49-72 Months¹), and Plan C (73-96 Months¹) under conditions specified in the Channel Services Payment Plan (CSPP) in B2.4.
4. Month-to-Month payment plan rates are subject to Company initiated changes. MegaLink Light service rates provided under a CSPP arrangement, as specified in B2.4.9.A are exempt from Company initiated rate increases for the duration of the payment plan length selected; however, decreases on recurring rates will flow through to the customer. 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 Month-to-Month rates. Renewal options for MegaLink Light service will be as specified in B2.4.9.A.
5. A Termination Liability Charge (TLC) is applicable at the date of termination. The applicable charge is dependent on the payment period subscribed to and will be equal to fifty percent (50%) of the number of months remaining in the payment period times the monthly rate applicable. However, a TLC will not apply for; 1) moves of service subject to the provisions set forth in B7.10.3.B.5, 2) customer requested changes as specified in B2.4.9.A, CSPP or 3) customer requested change to services not covered by the CSPP that are offered by the Company under a contract payment plan.
6. When a customer requests B8ZS format be provided on a MegaLink Light service Local Channel, **Terms, Conditions** and rates and charges appropriate for Clear Channel Capability (CCC) as specified for MegaLink service, located in B7.1 will apply.

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B7. DIGITAL NETWORK SERVICE

B7.10 MegaLink Light Service (Cont'd)

B7.10.2 Terms and Conditions (cont'd)

D. Connections

1. Customer Provided Terminal Equipment, Customer Provided Derivation Equipment and Customer Provided Communications Systems may be connected to MegaLink Light service when such connection is made in accordance with the provisions specified in 2 and 3. (M)
2. Responsibility of the Company (T)(M)
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of MegaLink Light service to a network interface on the customer's premises. (M)
 - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications system provided by a customer. MegaLink Light service is not represented as adapted for 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 furnishing of facilities suitable for MegaLink Light service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for: (T)
 - 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 communication system provided by a customer or authorized user due to testing.
 - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations, or procedures of the Company utilized in the provision of MegaLink Light service render any facilities or equipment provided by the customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance. (T)
 - d. The Company undertakes to maintain and repair facilities which it furnishes. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Company without prior written consent of the Company.
3. Responsibility of the Customer (T)
 - a. The customer is responsible for installing and testing premises equipment or facilities to insure that when they are connected to MegaLink Light service such equipment or facilities are operating properly. (T)
 - b. The operating characteristics of the customer premises equipment shall be such as to not interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by the customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or other facilities of the Company; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
 - c. The customer's 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 will be responsible for all expenses incurred in changes to his premises equipment.
 - d. When MegaLink Light service is connected at the serving wire center to another service which is provisioned with ANSI T1.403-1995 Extended Superframe Format (ESF) and/or Clear Channel Capability, the customer will be required to add the same format and/or line code standard to the MegaLink Light service to ensure compatibility. Rates, *Terms and Conditions* associated with Clear Channel Capability are located in B7.1. (T)
 - e. It will be the responsibility of the customer to make a power supply available when required by the Company for its use, using Company-provided, location specific, specifications for termination, type and location.

E. Payment Arrangements and Credit Allowances

1. The minimum initial service period for MegaLink Light service is 24 months. Month-to-Month rates may be specified upon completion of the initial 24 month service period. (T)
2. Suspension of service is not allowed.

B7 DIGITAL NETWORK SERVICE

B7.10 MegaLink Light Service (T)

B7.10.2 *Terms and Conditions* (Cont'd) (T)

E. Payment Arrangements and Credit Allowances (Cont'd)

3. A service interruption of 30 minutes or more, attributable to the MegaLink Light service Local Channel portion of the customer's end-to-end service, will result in the credit of an amount as specified in a through e.. These credits are applicable to the Company's MegaLink Light service Local Channel portion of the customer's end-to-end service, where the trouble is in the Company's local channel facility on public right-of-way. Credits will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. A customer must report the outage in order to receive service outage credit, and the total credit received in any month shall not exceed the monthly rate for the service.
 - a. For service interruptions of from 30 to 150 minutes duration, the customer will receive a credit of an amount equal to 25 percent of the Local Channel monthly recurring rate.
 - b. For service interruptions of from 151 to 210 minutes duration, the customer will receive a credit of an amount equal to 50 percent of the Local Channel monthly recurring rate.
 - c. For service interruptions greater than 210 minutes duration, the customer will receive a credit of an amount equal to 100 percent of the Local Channel monthly recurring rate.
 - d. Service outages of less than 30 minutes duration will not receive credit.
 - e. Service outage credits for services into which MegaLink Light service Local Channels are terminated will be as is appropriate for those other services. (T)
4. MegaLink Light service is eligible for credit of nonrecurring charges under provisions of the "Service Installation Guarantee" found in B2.4.17. (T)

F. Service Changes

If the change involves changing a customer's MegaLink service Local Channel to a MegaLink Light service Local Channel, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the MegaLink Light service, as appropriate. Changes from MegaLink service to MegaLink Light service will be considered an upgrade with regard to application of termination liability charges in accordance with the CSPP provisions provided in B2.4. (T)

G. Independent Company Territories

Terms, Conditions, rates and charges applicable for MegaLink Light service apply to MegaLink Light service provided in *Company* serving areas and areas of Independent Companies that concur in *the Company's Private Line Guidebook*. In those cases where a portion of MegaLink Light service is furnished by an Independent Company that does not concur in *the Company's Private Line Guidebook*, the rates, *Terms and Conditions* of the Independent Company apply to the portion of MegaLink Light service it furnishes. (T)

B7.10.3 Rates and Charges

A. Recurring Rates

1. A MegaLink Light service Local Channel is furnished between a customer's premises and its normal Serving Wire Center (SWC). Rates are based on the airline distance between the customer's premises and its normal SWC. (T)

B. Nonrecurring Charges

1. Service Establishment Charges are applicable, for each MegaLink Light service Local Channel 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. (T)
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 Light service Local Channel. A Service Change Charge is applicable for each MegaLink Light service Local Channel associated with the customer request (in lieu of a Service Establishment Charge). (T)
3. A Premises Visit Charge is applicable, per MegaLink Light service Local Channel, for termination of the channel at a customer's premises or for Inside Moves. Only one Premises Visit Charge applies when more than one MegaLink Light service Local Channel is terminated or moved at the same premises, during the same visit. (T)
4. Connection charges are applicable for the connection and testing of MegaLink Light service Local Channels. The applicable charges are those nonrecurring charges specified in C.1. (T)

B7. DIGITAL NETWORK SERVICE

B7.10 MegaLink Light Service

B7.10.3 Rates and Charges (Cont'd)

B. Nonrecurring Charges (Cont'd)

5. Moves

a. A move involves a change in the physical location of one of the following:

- (1) the point of interface at the customer premises, or
- (2) the customer's premises.

b. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(1) **Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring charge. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the month-to-month service.

(2) **To a Different Building**

When the move is to a new location in Company territory within the same state, the charge for the move is equal to the sum of all nonrecurring charges applicable to a new MegaLink Light service month-to-month service arrangement at the new location.

When the move is to a new location in Company territory in a different state, the move will be treated as a discontinuance and start of service. The customer will be responsible for satisfying all outstanding minimum period charges for the discontinued service. All applicable nonrecurring charges at the new location will apply.

C. Rate and Charge Amounts

	Nonrecurring Charge	Month to Month	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
1. MegaLink Light Service, Local Channel						
(a) First ½ Mile	\$300.00	\$180.00	\$140.00	\$130.00	\$125.00	1LDPL
(b) Each additional ½ Mile, or fraction thereof	-	36.00	31.00	29.00	27.00	1LDPM
2. Service Establishment Charge						
(a) Each	600.00	-	-	-	-	MLLSE
3. Service Change Charge, Inside Move						
(a) Each	425.00	-	-	-	-	MLL1M
4. Service Change Charge, Transfer of Responsibility						
(a) Each	50.00	-	-	-	-	MLLTR
5. Premises Visit Charge						
(a) Each	35.00	-	-	-	-	MLLPV

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Pages 56.1 and 56.2 are hereby deleted in their entirety and removed from this Guidebook.

(N)

B7. DIGITAL NETWORK SERVICE

B7.11 (DELETED)

(M1)

B7.12 BellSouth 256 DSL Service

(T)

B7.12.1 General

- A. BellSouth 256 DSL service is furnished for IntraLATA communications by the Company. (T)
- B. BellSouth 256 DSL service is a service for the transmission of digital signals only and using digital transmission facilities. (T)
- C. BellSouth 256 DSL service provides for the simultaneous two-way transmission of digital signals at speeds of 256 Kbps, where facilities are available. Service inquiries will be necessary to determine service availability. (T)
- D. Unless specified following, the *Terms and Conditions* for BellSouth 256 DSL service specified herein apply in addition to the *Terms and Conditions* set forth in this and other applicable Company *service publications*, but do not include any *Terms, Conditions*, rates or charges which may be applied or charged to the customer by a Network Service Provider (NSP). (T)
- E. The rates specified for BellSouth 256 DSL service in B7.12.3 following, contemplate the provision of a digital quality facility over existing interoffice carrier equipment and/or exchange cable facilities compatible with this service. The physical layer transport will utilize 2B1Q technology on a 2-wire Local Channel. If changes to existing facilities or equipment are required for the provision of this service, a special construction charge based on the cost incurred to make the changes will apply in addition to the charges and rates for BellSouth 256 DSL service. (T)
- F. The effective date for BellSouth 256 DSL service is contingent upon the Public Notice of Network Disclosure to the Federal Communications Commission (FCC), in support of BellSouth 256 DSL service, becoming final under the FCC's rules. This Network Disclosure is in accordance with Parts 51.325 – 51.335 of the Code of Federal Regulations. Should a party intervene in the Network Disclosure process, it is possible this tariff may have to be withdrawn pending resolution of the intervention. (T)

B7.12.2 Terms and Conditions

(T)

- A. Description of Service
 - 1. BellSouth 256 DSL service is made available to customers for the transport of data-only communications and provides, subject to the terms and conditions set forth herein, for the establishment of a point-to-point private line channel between two customer-designated locations through a common Serving Wire Center (SWC) or through a remote SWC using a BellSouth 256 DSL service interoffice channel. BellSouth 256 DSL service is primarily intended to provide a private line channel between two customer designated locations for the transport of intraLATA high-speed data. (T)
 - 2. BellSouth 256 DSL service is furnished where suitable facilities are available as determined by the Company. BellSouth 256 DSL service Central Office availability will be as listed in the National Exchange Carriers Association (N.E.C.A.) F.C.C. Tariff No. 4 for DS1 compatible offices. This service is available to customers served via metallic local channel facilities meeting Carrier Serving Area Design Guidelines as specified in T1 Technical Report #28, "A Technical Report on High-Bit-Rate Digital Subscriber Lines (HDSL)," available from the Committee T1 website at the following address:
- www.t1.org
3. BellSouth 256 DSL service is available at symmetric data rates of 256 Kbps. (T)
 - 4. Multipoint service is not available.
 - 5. Connection of communications systems provided by others may be made on a permissive basis as provided for in Section B2. The Company does not represent its BellSouth 256 DSL service as adapted for such connection, and shall not be responsible for the through transmission of signals, or the quality of such transmission on such connections. (T)

(M2)

M1 - Material appearing on this page previously appeared on page(s) 56.1 of this section.

M2 - Material previously appearing on this page now appears on page(s) 58 of this section.

B7. DIGITAL NETWORK SERVICE

B7.12 BellSouth 256 DSL Service (Cont'd)

(T)

B7.12.2 Terms and Conditions (Cont'd)

(T)

A. Description of Service (Cont'd)

6. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the facility provided by the Company. The customer is responsible for providing, installing and maintaining the Digital Subscriber Line (DSL) transceiver unit at the customer premises. A transceiver unit equivalent to the Adtran Fractional Network Interface Device must be used. Currently, details of the aforementioned device may be obtained by accessing the following website:

- www2.adtran.com/data_sheets/html/61245/201/11-8/

(M1)

The Network Interface (NI) must utilize a plug and jack arrangement. Because BellSouth 256 DSL service may serve customers with other type services, a multi-line plug and jack may be utilized at the NI. In such case, an unused position in any of the connectors specified in T1 Technical Report #5, "Network and Customer Installation Interface Connector Wiring Configuration Catalog" for two-wire interconnection may be utilized. This document may be obtained from the Committee T1 website at the following address:

(T)

- www.t1.org

In those cases where an unused position on a multi-line jack is not available, or where the customer dictates such a position may not be used, the Company will install an RJ11 jack.

7. BellSouth 256 DSL service cannot be utilized as a "Link" for part of a two-point or multipoint arrangement. (T)
8. BellSouth 256 DSL service is not a candidate for channelization by the Company. (T)
9. BellSouth 256 DSL service cannot be terminated into a Company Exchange service switch. (T)
10. BellSouth 256 DSL service is not eligible for credit of nonrecurring charges under provisions of the Service Installation Guarantee. (T)

B. Definitions

Digital Local Channel

The term "Digital Local Channel" denotes a path for BellSouth 256 DSL service furnished from the demarcation point at the customer designated location to its normal SWC. A Digital Local Channel may be furnished in such manner as the Company may elect. (T)

Interoffice Channel

The term "Interoffice Channel" denotes a path (or paths) for digital transmission between Company SWCs within a LATA. An interoffice channel may be furnished in such manner as the Company may elect.

C. Application of Rates

1. Monthly rates and nonrecurring charges apply for each BellSouth 256 DSL service Digital Local Channel, on a per Digital Local Channel basis. (T)
2. Monthly rates and nonrecurring charges apply for each BellSouth 256 DSL Interoffice Channel. Interoffice Channels will be charged for at rates based on the airline distance between Central Offices. (T)
3. BellSouth 256 DSL service is available on a month-to-month basis, upon completion of an initial 12 month service period. (T)
4. A move charge applies for each BellSouth 256 DSL service Local Channel moved to a customer's new premises. This charge is equal to the sum of all the nonrecurring charges applicable for installation of applicable new BellSouth 256 DSL service rate elements. (T)

(M2)

B7. DIGITAL NETWORK SERVICE

B7.12 BellSouth 256 DSL Service (Cont'd)

B7.12.2 Terms and Conditions (Cont'd)

D. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to BellSouth 256 DSL service when such connection is made in accordance with the provision specified in 2, 3, and 4. (T)(M1)
2. Responsibility of the Company (T)(M1)
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of BellSouth 256 DSL service to that point on the customer's premises where provision is made for the connection of customer-provided equipment. If the customer requires a different location in the same building, it can be provided under the Premises Network Wiring Charge found in Section B3. (T)(M1)
 - b. The Company shall not be responsible for installation, operation, or maintenance of any terminal equipment or communications systems provided by a customer. BellSouth 256 DSL service is not represented as adapted for 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 BellSouth 256 DSL service and to the maintenance and operation in a manner proper for such digital service. The Company shall not be responsible for: (T)
 - 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.
 - c. The Company shall not be responsible to the customer if changes in any of the facilities, operations or procedures of the Company utilized in the provision of BellSouth 256 DSL service render any facilities or equipment provided by a customer obsolete, or require modification or alteration of such equipment or system, or otherwise affects its use or performance. (T)
 - d. The Company undertakes to maintain and repair the facilities, which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Company without prior written consent of the Company.
3. Responsibility of the Customer (T)
 - a. The customer is responsible for installing and testing their premises equipment or facilities to insure that when they are connected with BellSouth 256 DSL service such equipment or facilities are operating properly. (T)
 - b. The operating characteristics of the customer premises equipment or facilities shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer does not: endanger the safety of Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Company's facilities or otherwise injure the public in its use of the Company's services. Upon notice from the Company that the equipment provided by a customer is causing or is likely to cause such hazard or interference the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
 - c. The customer's 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 will be responsible for all expenses incurred in changes to their premises equipment.
 - d. The customer shall be responsible for payment of a Trouble Determination Charge as specified in Section B2, for visits by the Company to the premises of the customer where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer. (T)

(M2)

M1 - Material appearing on this page previously appeared on page(s) 58 of this section.

M2 - Material previously appearing on this page now appears on page(s) 60 of this section.

B7. DIGITAL NETWORK SERVICE

B7.12 BellSouth 256 DSL Service (T)

B7.12.2 *Terms and Conditions* (Cont'd) (T)

D. Connections (Cont'd) (N)

4. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems (T)
 - a. The following provisions will apply: (M)
 - (1) Customer-Provided Terminal Equipment and/or Customer-Provided Communications Systems may be connected at the premises of the customer to BellSouth 256 DSL service. (T)(M)
 - (2) The customer, by use of their own derivation equipment, may create digital bit streams from a BellSouth 256 DSL service and such equipment may be connected for transmission of such bit streams when connected thru a customer-provided Channel Service Unit/Termination Equipment. (T)(M)
 - (3) The undertaking of the Company is to furnish BellSouth 256 DSL service as ordered. The customer is required to provide the Channel Service Unit/Termination Equipment as specified in d. (T)(M)
 - b. Connections to other services furnished by the Company to the same customer: (T)
BellSouth 256 DSL service furnished by the Company may be connected by the customer to another service or to other services furnished by the Company as specified in 2 and 3. Connected services are subject to all ***Terms and Conditions*** governing the provisioning of those services.
 - c. Connections to other services furnished by the Company to different customers: (T)
The customer may connect, at the premises of the customer, to another BellSouth 256 DSL service or other services furnished by the Company to different customers as specified in 2 and 3. Connected services are subject to all ***Terms and Conditions*** governing the provisions of those services.
 - d. Connection of Channel Service Units:
When required a Channel Service Unit or appropriate Termination Equipment must be provided by the customer to connect a Company-provided digital facility.
 - e. Connections to other services furnished by Network Service Providers: (T)
The customer may connect BellSouth 256 DSL service, at a designated premises of the customer, to service furnished by a Network Service Provider. Connected services are subject to all ***Terms and Conditions*** governing those services. To qualify for this connectivity, the customer must have a direct use for this arrangement of their own.

E. Payment Arrangements and Credit Allowance

1. The minimum period for which BellSouth 256 DSL service is furnished and for which charges are applicable, upon completion of an initial service period as specified in B7.12.2.A, is one month. (T)
2. Suspension of service is not allowed.
3. When BellSouth 256 DSL service is interrupted due to causes other than negligence of the customer, or to the failure of connected services, facilities or equipment furnished by the customer, a credit allowance will be made, upon customer request, for the portion of service affected. For the purpose of determining the amount of allowance, every month is considered to have 30 days. All credit allowances shall begin from the time of notice by the customer to the Company, and will end when the service is operative. No credit is allowed for interruption to service of less than 30 minutes. Interruptions of 30 minutes or more are credited to the customer at the proportionate monthly rate in half-hour multiples for each half-hour, or major fraction thereof, of interruption. A customer must report the outage in order to receive service outage credit. The total credit received in any month shall not exceed the monthly rate for the service. (T)
4. A Termination Liability Charge is applicable, for termination of service prior to completion of the initial service period. The applicable charge is dependent upon the number of months completed service, and will be equal to the number of initial service period months, minus the months completed service, multiplied by the monthly recurring rate.

B7. DIGITAL NETWORK SERVICE

B7.12.2 BellSouth 256 DSL Service (Cont'd)

(T)

B7.12.3 Rates and Charges

	Nonrecurring Charge	Monthly Rate	USOC	
A. A Digital Local Channel is furnished between a customer premises location and its normal Serving Wire Center				
1. Digital Local Channel				
(a) Each Channel	\$225.00	\$160.00	TMEHD	
B. An Interoffice Channel is Furnished between Serving Wire Centers				
1. Interoffice Channel, each channel 0 – 8 miles				
(a) Fixed Monthly Rate	50.00	75.00	3LBAA	
(b) Each airline mile, or fraction thereof	-	15.00	3LBBA	
2. Interoffice Channel, each channel 9 – 25 miles				
(a) Fixed Monthly Rate	50.00	75.00	3LBCA	
(b) Each airline mile, or fraction thereof	-	15.00	3LBDA	
3. Interoffice Channel, each channel greater than 25 miles				
(a) Fixed Monthly Rate	50.00	75.00	3LBEA	
(b) Each airline mile, or fraction thereof	-	15.00	3LBFA	
C. Miscellaneous Charges				
1. Service Connection Charges				
	Nonrecurring Charge		USOC	
a. Service Establishment				
(1) Per BellSouth 256 DSL service, channel				
(a) Each	\$500.00		HDSSE	(T)
b. Service Change – Inside Move				
(1) Per BellSouth 256 DSL service, channel				
(a) Each	300.00		HDSSC	(T)
c. Service Change – Transfer of Responsibility				
(1) Per BellSouth 256 DSL service, channel				
(a) Each	25.00		HDSTR	(T)
d. Premises Visit				
(1) Per BellSouth 256 DSL service, Digital Local Channel, including when Premises Visit is for an inside move.				
(a) Each	35.00		HDSPV	(T)

B7. DIGITAL NETWORK SERVICE**BellSouth 256 DSL Service (Cont'd)**

(T)

B7.12.3 Rates and Charges (Cont'd)**D. Move Charge**

A move charge, per BellSouth 256 DSL service channel, applies for each Digital Local Channel moved to a new location in the same building. This move charge is equal to the Digital Local Channel Nonrecurring Charge, Service Change Charge - Inside Moves, plus Premises Visit Charge(s).

(T)

E. Service Connection Charges

1. Service Establishment Charges are applicable, for each BellSouth 256 DSL service channel ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These actions include engineering design, common centralized testing and coordination. The charge is as specified in B7.12.3.C.1.a. (1) (a). (T)
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 and for processing the necessary data for an existing BellSouth 256 DSL service channel. A Service Change Charge is applicable for each BellSouth 256 DSL service channel associated with the customer request (in lieu of a Service Establishment Charge) and is as specified in B7.12.3.C.1.b. (1) (a) and B7.12.3.C.1.c (1) (a). (T)
3. Premises Visit Charges are applicable, per Digital Local Channel, for the termination of a channel at a customer's designated 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. The appropriate charge is as specified in B7.12.3.C.1.d. (1) (a).
4. Connection charges are applicable for the connection and testing of Digital Local Channels and/or Interoffice Channels. The charges applied are those nonrecurring charges specified in B7.12.3.A and B. (T)

B8. CUSTOM NETWORK SERVICE

CONTENTS

B8.1	General (Obsoleted, See Section B108)	<i>1</i>	
B8.2	Custom Network Service Arrangement I (Obsoleted, See Section B108)	<i>1</i>	
B8.3	Custom Network Service Arrangement II (Obsoleted, See Section B108)	<i>1</i>	(T)

B8. CUSTOM NETWORK SERVICE

B8.1 General (Obsoleted, See Section B108)

B8.2 Custom Network Service Arrangement I (Obsoleted, See Section B108)

B8.3 Custom Network Service Arrangement I (Obsoleted, See Section B108)

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Pages 2 through 6 are hereby deleted in their entirety and removed from this Guidebook.

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B9. OPTICAL NETWORK SERVICE

B9.1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B9.1.1 General (Cont'd)

C. (Obsoleted, See Section B109) (Cont'd)

D. The various Wavelength Channels that are available via a BellSouth Wavelength service Basic Arrangement are as follows:

<u>Wavelength Channels</u>	<u>Basic Arrangement</u>
1.25 Gbps Transparent Transport	X
2.5 Gbps Transparent Transport	X
10 Gbps WAN Wavelength Transport	X
10 Gbps LAN Wavelength Transport	X
Gigabit Ethernet at 1 Gbps Wavelength Transport	X
OC-3 Wavelength Transport	X
OC-12 Wavelength Transport	X
OC-48 Wavelength Transport	X
OC-192 Wavelength Transport	X
(Obsoleted, See Section B109)	

The general description of the Wavelength Channels is as shown below. Detailed transport specifications, capabilities and line rates are described in TR 73630 BT.

- 1.25 Gbps Transparent Transport – provides a fiber based transport interface
- 2.5 Gbps Transparent Transport – provides a fiber based transport interface
- 10G WAN-PHY Wavelength Transport – a version of Ethernet with a WAN-PHY only interface.
- 10G LAN-PHY Wavelength Transport – a version of Ethernet with a LAN-PHY only interface.
- Gigabit Ethernet at 1 Gbps Wavelength Transport – a version of Ethernet that transports data signals at the rate of 1 gigabit per second.
- OC-3 Wavelength Transport – provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- OC-12 Wavelength Transport – provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- OC-48 Wavelength Transport – provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel. (M)
- OC-192 Wavelength Transport – provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel. (M)

(Obsoleted, See Section B109)

The Company will install, test and verify that Wavelength Channels can be carried and transmitted from *Company* network interface to *Company* network interface. BellSouth Wavelength service Wavelength Channels do not provide protocol functionality, they only provide a transport for the protocol. (T)(M)

B9. OPTICAL NETWORK SERVICE

B9.1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B9.1.1 General (Cont'd)

- E. The compatibility requirements and technical specifications (including Channel Network Protection and Optical Network Protection) for BellSouth Wavelength service are as shown in technical reference TR-73630 BT.
 - F. (Obsoleted, See Section B109)
 - G. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.
 - H. Where the customer provides two separate entrance facility cable routes BellSouth Wavelength service, the primary and alternate facilities will be separate and will enter the customer location, at the initial installation of the service, over such different routes. Request for separate entrance facilities to a customer location, subsequent to installation of the service, shall be accommodated via a Special Construction request.
 - I. BellSouth Wavelength service provides physical layer transport only. The Company assumes no responsibility for the signals generated by the customer, for the quality of or defects in such signals, for the reception of signals by the customer, or address signaling, to the extent addressing is performed by the customer. Error detection and correction of data generated by the customer is the customer's responsibility.
 - J. Reserved for future use.
 - K. Neither electrical interfaces nor optical add/drop multiplexing are available with BellSouth Wavelength service.
 - L. The customer is responsible to ensure that customer provided CPE meets any applicable technical requirements or limitations for the protocol used for the connection to the BellSouth Wavelength Service.
 - M. (Obsoleted, See Section B109)
 - N. A BellSouth Wavelength service Basic Arrangement Wavelength Interoffice Channel must have a connection to a Basic Arrangement Wavelength Local Channel, to a BellSouth Wavelength service Dedicated Ring Arrangement¹ wavelength channel or to LightGate service or SMARTRing service where LightGate service or SMARTRing service interfaces are compatible with a wavelength channel.
 - O. When BellSouth Wavelength service is requested at locations where fiber facilities are not available to satisfy customer requests, special construction charges will apply as set forth in Section B5.
 - P. (Obsoleted, See Section B109)
- Note 1:** Effective December 1, 2012, BellSouth Wavelength Service Dedicated Ring Arrangements are obsolete, see Section B109.

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

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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.

B9. OPTICAL NETWORK SERVICE

B9.1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B9.1.2 Application of Rates

- A. BellSouth Wavelength service Basic Arrangement Wavelength Channels are available for point-to point applications between two customer premises or for connection of a customer's premises to his BellSouth Wavelength service Dedicated Ring Arrangement¹ in a Company central office. BellSouth Wavelength service Basic Arrangement service components are a Wavelength Local Channel and Wavelength Interoffice Channel. The Wavelength Local Channel rate element provides service between a customer's premises and the local Company central office. The Wavelength Interoffice Channel rate element provides service between Company central offices.
- B. For Basic Arrangement Wavelength Channels with Channel Network Protection, two (2) Unprotected Wavelength Local Channels and/or Interoffice Channels are configured as primary and secondary wavelengths between a customer's premises. The primary and secondary wavelengths utilize Channel Network Protection – Primary Wavelength and Channel Network Protection – Secondary Wavelength service components to provide network protection and apply per customer premise requested with network protection.
- C. (Obsoleted, See Section B109)
- D. (Obsoleted, See Section B109)
- E. (Obsoleted, See Section B109)
- F. (Obsoleted, See Section B109)
- G. Reserved for future use

Note 1: Effective December 1, 2012, BellSouth Wavelength Service Dedicated Ring Arrangements are obsolete, see Section B109.

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B9. OPTICAL NETWORK SERVICE

B9.1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B9.1.2 Application of Rates (Cont'd)

- H.** (Obsoleted, See Section B109)
- I.** (Obsoleted, See Section B109)
- J.** In order to accommodate more flexible customer situations, BellSouth Wavelength service arrangements are available under several payment plans: Month-to-Month, 36 Month Term Payment Plan (24-48 months²), 60 Month Term Payment Plan (49-72 months²), or 84 Month Term Payment Plan (73-96 months²). The month-to-month service arrangement is only available upon completion of a Channel Services Payment Plan agreement. The 36, 60², and 84² Month Term Payment Plans are provided under conditions specified in the Channel Services Payment Plan, (CSPP), B2.4.9, except as modified following. For all payment plans, the following *Terms and Conditions* apply:
1. (Obsoleted, See Section B109)
 2. The minimum service period for BellSouth Wavelength service components is 24 months.
 3. BellSouth Wavelength service wavelength channels must initially be provided under a CSPP service arrangement. BellSouth Wavelength service wavelength channels associated with a BellSouth Wavelength service Dedicated Ring Arrangement¹ are not required to be under the same CSPP payment plan or service period as their associated BellSouth Wavelength service Dedicated Ring Arrangement.
 4. The rates applicable to a month-to-month payment plan are subject to Company initiated changes.
 5. A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times fifty percent (50%) of the monthly rates for BellSouth Wavelength service which include all service components under the CSPP arrangement.
 6. When a service period under an existing CSPP arrangement is completed and a customer elects to revert to a month-to-month payment option, no minimum period is applicable. If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.
 7. Each BellSouth Wavelength service Basic Arrangement wavelength channel is an individual standalone payment plan, independent of any other BellSouth Wavelength service payment plan subscribed to by a customer.
 8. (Obsoleted, See Section B109)
- K.** When Wavelength Channels are setup in a Client Protection arrangement, there is no charge for establishing Client Protection if it is setup at the time the associated Wavelength Channels are activated. If Client Protection is established on Wavelength Channels subsequent to their activation, a Client Protection Rearrangement Charge applies per existing Wavelength Channel configured for Client Protection. This charge would also apply if a customer has Client Protection existing and wants to rearrange the Wavelength Channels associated with the existing Client Protection arrangement. Also, if a customer removes channels from an existing Client Protection arrangement, the Client Protection Rearrangement Charge applies to the Wavelength Channel(s) that are removed from the Client Protection arrangement, unless both the Wavelength Channels are disconnected.
- Note 1:** Effective December 1, 2012, BellSouth Wavelength Service Dedicated Ring Arrangements are obsolete, see Section B109.
- Note 2:** As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

B9. OPTICAL NETWORK SERVICE

B9.1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B9.1.3 Rates and Charges (Cont'd)

- B. (Obsoleted, See Section B109)
- 1. (Obsoleted, See Section B109)
- 2. (Obsoleted, See Section B109)
- 3. (Obsoleted, See Section B109)
- 4. (Obsoleted, See Section B109) (M)

- C. BellSouth Wavelength service Client Protection Rearrangement Charge (M)

	Nonrecurring Charge	Month to Month	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC CPROT	
(a) Client Protection Rearrangement Charge Subsequent to initial installation (Obsoleted, See Section B109)	\$1,500.00	-	-	-	-		(M)

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers. (M)

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