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D)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.1 M e g a L i n k S e r v i c e

B 7.1.1 G e n e r a l

- A. M e g a L i n k s e r v i c e i s f u r n i s h e d f o r P r i v a t e L i n e I n t r a L A T A c o m m u n i c a t i o n s b y t h e C o m p a n y .
- B. M e g a L i n k s e r v i c e i s a s e r v i c e f o r t h e t r a n s m i s s i o n o f d i g i t a l s i g n a l s o n l y a n d u s i n g o n l y d i g i t a l t r a n s m i s s i o n f a c i l i t i e s .
- C. M e g a L i n k s e r v i c e p r o v i d e s f o r t h e s i m u l t a n e o u s t w o - w a y t r a n s m i s s i o n o f i s o c h r o n o u s d i g i t a l s i g n a l s a t D S 1 s p e e d s o f 1 5 4 4 M b p s , w h e r e f a c i l i t i e s a r e a v a i l a b l e b e t w e e n c u s t o m e r l o c a t i o n s w i t h i n a L A T A .
- D. T o e n s u r e s a t i s f a c t o r y o p e r a t i o n , t h e t e r m i n a l e q u i p m e n t p r o v i d e d b y t h e c u s t o m e r m u s t b e c o m p a t i b l e w i t h t h e D S 1 / 1 5 4 4 M b p s c h a n n e l f a c i l i t y p r o v i d e d b y t h e C o m p a n y . T h e t e c h n i c a l s p e c i f i c a t i o n s a n d s t a n d a r d n e t w o r k i n t e r f a c e s f o r D S 1 S e r v i c e a r e c o n t a i n e d i n T e c h n i c a l R e f e r e n c e P u b l i c a t i o n 7 3 5 2 5 . T h i s p u b l i c a t i o n i s a v a i l a b l e f r o m D o c u m e n t a t i o n O p e r a t i o n s , N o r t h W 5 A 1 , 3 5 3 5 C o l o n n a d e P a r k w a y , B i m i n g h a m , A l a b a m a 3 5 2 4 3 . (T)
- E. U n l e s s s p e c i f i e d h e r e i n , t h e t e r m s a n d c o n d i t i o n s f o r M e g a L i n k s e r v i c e s p e c i f i e d h e r e i n a p p l y i n a d d i t i o n t o t h e t e r m s a n d c o n d i t i o n s s e t f o r t h i n S e c t i o n B 2 . (T)
- F. T h e r a t e s s p e c i f i e d f o r M e g a L i n k s e r v i c e i n B 7.1.3 c o n t e m p l a t e t h e p r o v i s i o n o f a d i g i t a l q u a l i t y f a c i l i t y o v e r e x i s t i n g i n t e r o f f i c e c a r r i e r e q u i p m e n t a n d / o r e x c h a n g e c a b l e f a c i l i t i e s c o m p a t i b l e w i t h t h i s s e r v i c e . I f s u c h e q u i p m e n t , n e w f a c i l i t i e s o r c h a n g e s t o e x i s t i n g f a c i l i t i e s a r e r e q u i r e d f o r t h e p r o v i s i o n o f t h i s s e r v i c e , a s p e c i a l c o n s t r u c t i o n c h a r g e b a s e d o n t h e c o s t i n c u r e d t o m a k e t h e c h a n g e s w i l l a p p l y i n a d d i t i o n t o t h e r a t e s f o r M e g a L i n k s e r v i c e .

B 7.1.2 T e r m s a n d C o n d i t i o n s (T)

A. D e s c r i p t i o n o f S e r v i c e

1. M e g a L i n k s e r v i c e i s f u r n i s h e d f o r t h e s i m u l t a n e o u s t w o - w a y t r a n s m i s s i o n o f s e r i a l , B i p o l a r R e t u r n - t o - Z e r o , i s o c h r o n o u s d i g i t a l s i g n a l s , e x c e p t w h e r e i n t e n t i o n a l b i p o l a r v i o l a t i o n s a r e i n t r o d u c e d b y B i p o l a r w i t h 8 Z e r o S u b s t i t u t i o n (B 8 Z S) f o r m a t , a t a s p e e d o f D S 1 / 1 5 4 4 M b p s b e t w e e n t w o - p o i n t s l o c a t e d w i t h i n a L A T A .
2. M u l t i p o i n t s e r v i c e i s n o t a v a i l a b l e .
3. M e g a L i n k s e r v i c e i s a v a i l a b l e o n a m o n t h - t o - m o n t h b a s i s o r u n d e r v a r i a b l e r a t e p e r i o d s w i t h r a t e s b a s e d o n l e n g t h s o f 3 6 m o n t h s , 6 0 m o n t h s ¹ o r 8 4 m o n t h s ¹ , u n d e r c o n d i t i o n s s p e c i f i e d i n B 2.4 . I f t h e c u s t o m e r d o e s n o t s e l e c t a n e w c o n t r a c t o p t i o n o r d o e s n o t r e q u e s t d i s c o n t i n u a n c e o f s e r v i c e , s e r v i c e w i l l b e c o n t i n u e d u n d e r t h e t e r m s s p e c i f i e d i n B 2.4 .
4. C o n n e c t i o n o f D S 1 / 1 5 4 4 M b p s c o m m u n i c a t i o n s s y s t e m s p r o v i d e d b y o t h e r s m a y b e m a d e o n a p e r m i s s i v e b a s i s a s p r o v i d e d f o r i n S e c t i o n B 2 . T h e C o m p a n y d o e s n o t r e p r e s e n t i t s M e g a L i n k s e r v i c e a s a d a p t e d f o r s u c h c o n n e c t i o n s , a n d s h a l l n o t b e r e s p o n s i b l e f o r t h e t h r o u g h t r a n s m i s s i o n o f s i g n a l s , o r t h e q u a l i t y o f s u c h t r a n s m i s s i o n o n s u c h c o n n e c t i o n s .
5. A C h a n n e l S e r v i c e U n i t (C S U) o r a p p r o p r i a t e T e r m i n a t i o n E q u i p m e n t (T E) p r o v i d e d b y t h e c u s t o m e r i s r e q u i r e d a t a c u s t o m e r ' s o r a u t h o r i z e d u s e r ' s p r e m i s e s t o p e r f o r m s u c h f u n c t i o n s a s :
 - p r o p e r t e r m i n a t i o n o f t h e s e r v i c e
 - a m p l i f i c a t i o n
 - s i g n a l s h a p i n g
 - r e m o t e l o o p - b a c k

Note 1: A s o f O c t o b e r 1 , 2 0 1 3 , C o n t r a c t T e r m s g r e a t e r t h a n 3 6 m o n t h s a r e n o l o n g e r a v a i l a b l e f o r n e w o r r e n e w i n g s u b s c r i b e r s .

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.1 MegaLink Service (Cont'd)

B 7.1.2 Terms and Conditions (Cont'd)

A. Description of Service (Cont'd)

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, (SWC) -- and/or through remote SWCs; 2) a customer premises to the Serving Wire Center -- and/or to remote SWCs -- 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, another MegaLink service and/or MegaLink channel service, and MegaLink Plus service.
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.

B. Definitions

CHANNEL SERVICE UNIT

The term "Channel Service Unit" (CSU) denotes equipment provided by the Customer to terminate a digital facility on the customer's, 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 (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 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. Except for those Digital Local Channels provisioned prior to July 2, 1990 and charged distance sensitive rates located in B107.1, Digital Local Channels furnished between a Serving Wire Center and the customer's premises will be charged a flat rate.
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 in B2.4, except as modified following. Contract rate increases are subject to the stipulations of paragraph 4.

Note 1: Connection from MegaLink service to a Centrex Type Service may not be available from all Serving Wire Centers.

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

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B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 1 M e g a L i n k S e r v i c e (C o n t d)

B 7 . 1 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

C . A p p l i c a t i o n o f R a t e s (C o n t d)

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 for a term plan entered into prior to April 3, 2001, is dependent on the contract period subscribed to and will be equal to the number of months remaining in the contract times the monthly rate provided under contract.
6. For term plans entered into on or after April 3, 2001, a customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2 4 9 A 4 . For term plans entered into before April 3, 2001, the customer's obligations for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied is governed by the terms of the service publication that were in effect as of the date the customer entered the term plan.
7. Termination Liability charges will not apply for customer requests for moves of services under CSPP subject to the provisions set forth in paragraph B 2 4 9 A 11 ., 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 paragraph B 2 4 9 A 4 b .
8. A inline distance between Company central offices shall be developed using the methodology found in B 3 3 3 . Fractional mileage shall be rounded up to the next full mile.

D . C o n n e c t i o n s

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 paragraph 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 B 3 .
 - 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.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 1 M e g a L i n k S e r v i c e (C o n t d)

(T)

B 7 . 1 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

(T)

D . C o n n e c t i o n s (C o n t d)

3 . R e s p o n s i b i l i t y o f t h e C u s t o m e r

- 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.
- 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 B4 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 . C o n n e c t i o n o f C u s t o m e r - P r o v i d e d T e r m i n a l E q u i p m e n t , C u s t o m e r - P r o v i d e d D e r i v a t i o n E q u i p m e n t a n d C u s t o m e r - P r o v i d e d C o m m u n i c a t i o n s S y s t e m s .

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.
- (2) The customer, by use of its 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 CSU/TE.
- (3) The undertaking of the Company is to furnish MegaLink service as ordered. The customer is required to provide the CSU/TE as specified in paragraph d.

(T)

(T)

(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 paragraphs D 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 paragraphs D 2 and 3. Connected services are subject to all terms and conditions governing the provisioning of those services.

(T)

TN -15-0071

EFFECTIVE : December 1, 2015

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 1 M e g a L i n k S e r v i c e (C o n t d)

(T)

B 7 . 1 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

(T)

D . C o n n e c t i o n s (C o n t d)

4 . (C o n t d)

d . C o n n e c t i o n o f C h a n n e l S e r v i c e U n i t s

A Channel Service Unit (CSU) or appropriate Termination Equipment (TE) must be provided by the customer to connect a Company-provided digital facility. Only registered and previously connected grandfathered CSU/TEs may be connected to Company-provided digital facilities.

(T)

Grandfathered CSU/TE equipment must comply with the requirements outlined in Technical Reference 73525. This publication is now available from Documentation Operations, North W 5A 1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. Registered technical requirements for CSU/TEs 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 . F e a t u r e s

1 . C l e a r C h a n n e l C a p a b i l i t y

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 . P a y m e n t A r r a n g e m e n t s a n d C r e d i t A l l o w a n c e

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)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 1 M e g a L i n k S e r v i c e (C o n t d) (T)

B 7 . 1 . 3 R a t e s a n d C h a r g e s (C o n t d)

C . C l e a r C h a n n e l C a p a b i l i t y i s f u r n i s h e d o n a p e r M e g a L i n k s e r v i c e c h a n n e l b a s i s . (T)

1 . P e r M e g a L i n k s e r v i c e c h a n n e l o p t i o n e d a s : (T)

		M o n t h l y R a t e	N o n r e c u r r i n g C h a r g e		U S O C C C O S F
			Initial	Subsequent	
(a)	Superframe Format (SF)	-	-	\$590.00	CCOSF
(b)	Extended Superframe Format (ESF)	-	-	590.00	CCOEF

D . M o v e C h a r g e

A m o v e c h a r g e , p e r M e g a L i n k s e r v i c e c h a n n e l , a p p l i e s f o r e a c h D i g i t a l L o c a l C h a n n e l m o v e d t o a n e w l o c a t i o n i n t h e s a m e b u i l d i n g . T h i s m o v e c h a r g e i s e q u a l t o t h e D i g i t a l L o c a l C h a n n e l N o n r e c u r r i n g C h a r g e , S e r v i c e C h a n g e C h a r g e - I n s i d e M o v e s , p l u s P r e m i s e s V i s i t C h a r g e s . (T)

A m o v e c h a r g e , p e r M e g a L i n k s e r v i c e c h a n n e l u n d e r C S P P , a p p l i e s f o r e a c h M e g a L i n k s e r v i c e m o v e d t o a n e w l o c a t i o n i n C o m p a n y t e r r i t o r y w i t h i n t h e s a m e s t a t e . T h i s m o v e c h a r g e i s e q u a l t o t h e s u m o f a l l n o n r e c u r r i n g c h a r g e s a p p l i c a b l e t o a n e w M e g a L i n k s e r v i c e c h a n n e l i n s t a l l a t i o n a t t h e n e w l o c a t i o n . (T)

E . S e r v i c e C o n n e c t i o n C h a r g e s

1 . S e r v i c e E s t a b l i s h m e n t C h a r g e s a r e a p p l i c a b l e , f o r e a c h M e g a L i n k s e r v i c e c h a n n e l o r d e r e d , f o r r e c e i v i n g a n d r e c o r d i n g i n f o r m a t i o n a n d / o r t a k i n g a c t i o n i n c o n n e c t i o n w i t h a c u s t o m e r ' s r e q u e s t , a n d p r o c e s s i n g t h e n e c e s s a r y d a t a . T h e s e c h a r g e s i n c l u d e e n g i n e e r i n g d e s i g n , c o m m o n c e n t r a l i z e d t e s t i n g a n d c o o r d i n a t i o n . (T)

2 . S e r v i c e C h a n g e C h a r g e s a r e a p p l i c a b l e f o r r e c e i v i n g a n d r e c o r d i n g i n f o r m a t i o n a n d / o r t a k i n g a c t i o n i n c o n n e c t i o n w i t h a c u s t o m e r ' s I n s i d e M o v e o r t r a n s f e r o f s e r v i c e r e s p o n s i b i l i t y r e q u e s t , f o r p r o c e s s i n g t h e n e c e s s a r y d a t a o n a n e x i s t i n g M e g a L i n k s e r v i c e c h a n n e l .¹ A S e r v i c e C h a n g e C h a r g e i s a p p l i c a b l e f o r e a c h M e g a L i n k s e r v i c e c h a n n e l¹ a s s o c i a t e d w i t h t h e c u s t o m e r r e q u e s t (i n l i e u o f a S e r v i c e E s t a b l i s h m e n t C h a r g e) . (T)

3 . P r e m i s e s V i s i t C h a r g e s a r e a p p l i c a b l e , p e r D i g i t a l L o c a l C h a n n e l , f o r t h e t e r m i n a t i o n o f a c h a n n e l a t a c u s t o m e r ' s p r e m i s e s o r f o r i n s i d e m o v e s . O n l y o n e P r e m i s e s V i s i t C h a r g e a p p l i e s w h e n m o r e t h a n o n e c h a n n e l s e r v i c e o f t h e s a m e t y p e i s t e r m i n a t e d o r m o v e d a t t h e s a m e p r e m i s e s a t t h e s a m e t i m e . (T)

Note 1: Refer to paragraph B 7 . 1 . 2 A . 7 for description of M e g a L i n k s e r v i c e c h a n n e l s . (T)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.1 M e g a L i n k S e r v i c e (C o n t d)

B 7.1.3 R a t e s a n d C h a r g e s (C o n t d)

E . S e r v i c e C o n n e c t i o n C h a r g e s (C o n t d)

- 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 contained in paragraphs A and B. (T)
- 5. Charges for M e g a L i n k s e r v i c e

	Nonrecurring Charge	USOC
a. Service Establishment Charge		
(1) Per M e g a L i n k s e r v i c e C h a n n e l ¹		
(a) Each	\$575.00	M G L S E
b. Service Change Charge		
(1) Per M e g a L i n k s e r v i c e C h a n n e l ²		
(a) For Inside Moves, each	350.00	M G L 1 M
(b) Per Transfers of Responsibility, each	50.00	M G L T R
c. Premises Visit Charge		
(1) Per Digital Local Channel or for an Inside Move ²		
(a) Per Visit	30.00	M G L P V

B 7.2 S y n c h r o N e t S e r v i c e

(DELETED)

This Guidebook contains the terms, conditions and rates applicable for S y n c h r o N e t s e r v i c e. Unless otherwise specified, the terms and conditions contained herein are in addition to the terms and conditions found in other sections of this Guidebook. (D) (T)

B 7.2.1 G e n e r a l

- A. S y n c h r o N e t s e r v i c e 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 L A T A 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 S y n c h r o N e t s e r v i c e locations.

Note 1: Refer to B 7.1 for description of M e g a L i n k s e r v i c e channels.

Note 2: This charge is applicable to additional stations installed subsequent in a building.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 2 S y n c h r o N e t S e r v i c e (C o n t d)

B 7 2 1 G e n e r a l (C o n t d)

- 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 B 7 2 2 .

B 7 2 2 T e r m s a n d C o n d i t i o n s

A . D e s c r i p t i o n O f S e r v i c e

Synchronet service is capable of the simultaneous two-way transmission of digital signals at synchronous speeds of 2 4 , 4 8 , 9 6 , 1 9 2 , 5 6 or 6 4 Kbps between points located within a LATA . This service 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 B 2 , 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 paragraph 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

(T)

(T)

B7. DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

B7.2.2 Terms and Conditions (Cont'd)

B. Definitions

DIGITAL LOCAL CHANNEL

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

DIGITAL INTEROFFICE CHANNEL

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.

DIGITAL TERMINATING EQUIPMENT

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

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.

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 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.

(T)

(T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 2 S y n c h r o N e t S e r v i c e (C o n t d)

B 7 . 2 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

(T)

C . M e t h o d O f A p p l y i n g R a t e s

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

- A local channel
- Interoffice channel
- Node termination
- Multipoint arrangement
- 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 LAT A , 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.

D . C o n n e c t i o n s

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 paragraphs 1, 2 and 3.

(T)

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.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 2 S y n c h r o N e t S e r v i c e (C o n t d)

(T)

B 7 . 2 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

(T)

D . C o n n e c t i o n s (C o n t d)

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. C o n n e c t i o n s O f C u s t o m e r - P r o v i d e d T e r m i n a l E q u i p m e n t , C u s t o m e r - P r o v i d e d D e r i v a t i o n E q u i p m e n t A n d C u s t o m e r - P r o v i d e d C o m m u n i c a t i o n s S y s t e m s .

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 paragraph 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. C o n n e c t i o n T o O t h e r S e r v i c e s F u r n i s h e d B y T h e C o m p a n y T o D i f f e r e n t C u s t o m e r s

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. A c c e s s o r i e s

Accessories provided by customer may be used in conjunction with Synchronet service provided that such accessories comply with the provisions of paragraph 4.

(T)

4. R e s p o n s i b i l i t y O f T h e C u s t o m e r

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)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 2 S y n c h r o N e t S e r v i c e (C o n t d)

B 7 2 2 T e r m s a n d C o n d i t i o n s (C o n t d)

D . C o n n e c t i o n s (C o n t d)

4 . R e s p o n s i b i l i t y O f T h e C u s t o m e r (C o n t d)

b. When custom er provided equipment is connected to Synchronet service, the custom er 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 custom er 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 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 FCC's Rules and Regulations. A copy may be obtained from the Federal Communications Commission, Room BB300, Washington, D.C. 20054.

5 . R e s p o n s i b i l i t y O f T h e C o m p a n y

a. The Company shall not be responsible for installation operation or maintenance of any terminal equipment or communications systems provided by a custom er. 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 custom er to an authorized user due to testing.

b. The Company shall not be responsible to the custom er, 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 custom er obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.

(T)

(T)

B7.DIGITAL NETWORK SERVICE

B7.2 Synchronet Service (Contd)

B7.2.2 Terms and Conditions (Contd)

(T)

D. Connections (Contd)

5. Responsibility of The Company (Contd)

- 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)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.2 Synchronet Service (Cont'd)

B 7.2.2 Terms and Conditions (Cont'd)

- E. Synchronet service may be used for the transmission of communications of the customer provided that:
1. Synchronet service shall not be used for an unlawful purpose, and
 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 service terms and conditions contained herein.
- F. Payment Arrangements
1. The minimum period for which service is furnished and for which charges are applicable is one month.
 2. Suspension of service is not allowed.
- G. Allowance For Interruptions
- Allowance for interruptions will be in accordance with the provisions set forth in B 2.4.8.
- H. Contract Plans
1. Contract plans are available under conditions specified in the Channel Services Payment Plan in B 2.4 except as follows.
 - a. Synchronet service is offered under contract plan periods as:
 - (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 B 2.4.9. 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 B 2.4.
 - 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 paragraph e (2). Further, Termination Liability charges will not apply for customer requests for moves of service under CSPP subject to the provisions set forth in paragraph B 2.4.9 A.11.
 - d. (DELETED)
- 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.D DIGITAL NETWORK SERVICE

B7.2 SynchroNet Service (Cont'd)

(T)

B7.2.2 Terms and Conditions (Cont'd)

(T)

H. Contact Plans (Cont'd)

1. (Cont'd)

(DELETED)

(D)

e. A customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2.4.9.A.4.

(T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 2 S y n c h r o N e t S e r v i c e (C o n t d)

(T)

B 7 2 4 T y p e s O f R a t e s A n d C h a r g e s

A . The two types of rates and charges are monthly rates and nonrecurring charges and are described as follow :

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 paragraphs B 7 2 3 A and B .

(T)

Rates and charges for Network Interface Equipment are set forth in Section A 14 of the General Exchange Guidebook.

(T)

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 Service Options are set forth in paragraph B 7 2 3 B .

(T)

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 B 7 2 5 .

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 follow :

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
- Change of 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 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 offered in the appropriate guidebook which is a minimum twenty-four month service period or equals/exceeds the remaining contract period, whichever is greater.

(T) (M)

(T) (M)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.2 Synchronet Service (Cont'd)

(T)

B 7.2.4 Types Of Rates And Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements (Cont'd)

(M)

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

- 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.
- Customer required changes of data transmission rates for a Synchronet service, subsequent to initial installation and where no premises visit is required, will not be treated as a change of service. One-half of the standard guidebook nonrecurring charges as outlined under paragraphs B 7.2.3 A and B will be applicable for these data transmission rates.
- 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 non-recurring 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)g.

(T)

(T)

B7.D DIGITAL NETWORK SERVICE**B7.2 SynchroNet Service (Cont'd)**

(F)

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 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 paragraph 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. (F)
 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 paragraph B2.4.9A.11. (F)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 3 M e g a L i n k C h a n n e l S e r v i c e

B 7 . 3 . 1 G e n e r a l

(DELETED)

- (D)
- A . M e g a L i n k c h a n n e l s e r v i c e i s a n i n t r a L A T A d i g i t a l s e r v i c e w h i c h p r o v i d e s c h a n n e l i z a t i o n c a p a b i l i t y f o r t h e c u s t o m e r i n t h e C o m p a n y ' s c e n t r a l o f f i c e . M e g a L i n k c h a n n e l s e r v i c e i s p r o v i d e d i n p a c k a g e s b a s e d o n m u l t i p l e v o i c e g r a d e c h a n n e l e q u i v a l e n t s (D S 0) w h e r e 2 4 v o i c e g r a d e c h a n n e l s a r e e q u a l t o a D S 1 . T h i s s e r v i c e p r o v i d e s l o c a l c h a n n e l s a n d / o r i n t e r o f f i c e c h a n n e l s f o r n e t w o r k a c c e s s , f o r e i g n e x c h a n g e , C e n t r e x T y p e s e r v i c e s t a t i o n l i n e s , W A T S l i n e s , o f f - p r e m i s e s s t a t i o n s , t i e l i n e s , a n a l o g d a t a c h a n n e l s , B r o a d b a n d E x c h a n g e L i n e s a n d d i g i t a l d a t a s e r v i c e (a t 2 . 4 K b p s , 4 . 8 K b p s , 9 . 6 K b p s , 1 9 . 2 K b p s , 5 6 K b p s , 6 4 K b p s a n d 1 . 5 4 4 M b p s d a t a r a t e s) .
- B . C h a n n e l i z a t i o n i s p r o v i d e d b y D t y p e c h a n n e l b a n k s w h i c h a r e o f f e r e d i n v a r i o u s b a s i c s y s t e m c a p a c i t i e s a n d f e a t u r e a c t i v a t i o n t y p e s . I n d i v i d u a l c h a n n e l s e r v i c e s a r e m a d e a v a i l a b l e b y s e l e c t i n g t h e s p e c i f i c f e a t u r e a c t i v a t i o n e q u i p m e n t d e s i r e d i n a b a s i c s y s t e m . T h e c u s t o m e r m a y c h a n n e l i z e a l l o r p a r t o f a M e g a L i n k c h a n n e l s e r v i c e p a c k a g e t o a c t i v a t e v o i c e a n d d a t a f a c i l i t i e s f o r i n t e r c o n n e c t i o n w i t h t h e e x c h a n g e n e t w o r k , v o i c e g r a d e a n d d a t a f a c i l i t i e s f o r p r i v a t e l i n e c h a n n e l s , a s w e l l a s o t h e r M e g a L i n k c h a n n e l s e r v i c e s . T h e c u s t o m e r m a y a l s o c h o o s e n o t t o c h a n n e l i z e a l l o r p a r t o f a M e g a L i n k c h a n n e l s e r v i c e p a c k a g e a l l o w i n g d i r e c t c o n n e c t i o n t o o t h e r D S 1 s e r v i c e s a s p r o v i d e d i n t h i s G u i d e b o o k o r t h e G e n e r a l E x c h a n g e G u i d e b o o k .
- (T)
- C . T h i s s e r v i c e i s a v a i l a b l e w i t h i n a L A T A f r o m w i r e c e n t e r s w h e r e a p p r o p r i a t e d i g i t a l f a c i l i t i e s a r e a v a i l a b l e a s d e t e r m i n e d b y t h e C o m p a n y . A l s o , w h e n e x c h a n g e s e r v i c e s a r e d e s i r e d , w i r e c e n t e r s m u s t h a v e L o c a l M e a s u r e d S e r v i c e a v a i l a b l e a s w e l l a s d i g i t a l f a c i l i t i e s . S e r v i c e i n q u i r i e s w i l l b e n e c e s s a r y t o d e t e r m i n e a v a i l a b i l i t y . S p e c i a l C o n s t r u c t i o n c h a r g e s f o r M e g a L i n k s e r v i c e w i l l a p p l y a s s p e c i f i e d i n B 7 . 1 .
- (T)
- D . I n d i v i d u a l c h a n n e l s w i t h i n a M e g a L i n k c h a n n e l s e r v i c e p a c k a g e m a y b e c o n n e c t e d w i t h s e r v i c e o f f e r e d i n o t h e r s e c t i o n s o f t h e P r i v a t e L i n e G u i d e b o o k a n d G e n e r a l E x c h a n g e G u i d e b o o k a s a p p r o p r i a t e . T h e t e r m s , c o n d i t i o n s , r a t e s a n d c h a r g e s i n t h i s G u i d e b o o k a r e a p p l i c a b l e f o r t h e M e g a L i n k c h a n n e l s e r v i c e c o m p o n e n t o f t h e c u s t o m e r ' s e n d - t o - e n d s e r v i c e . S i n g l e c h a n n e l s e r v i c e c o m p o n e n t s (n o n - M e g a L i n k c h a n n e l s e r v i c e l i n k s) a r e s u b j e c t t o t h e t e r m s , c o n d i t i o n s , r a t e s a n d c h a r g e s i n t h e i r r e s p e c t i v e g u i d e b o o k s e c t i o n s .
- (T)
- E . T h e c u s t o m e r m a y a c t i v a t e a n y n u m b e r o r c o m b i n a t i o n o f c h a n n e l s w i t h i n a M e g a L i n k c h a n n e l s e r v i c e p a c k a g e w i t h i n t h e l i m i t a t i o n s s e t f o r t h i n p a r a g r a p h F . C h a n n e l s m a y b e a c t i v a t e d c o i n c i d e n t w i t h i n i t i a l s e r v i c e o r a t a n y t i m e s u b s e q u e n t t o b a s i c s y s t e m i n s t a l l a t i o n . O n c e a c t i v a t e d , a c h a n n e l i s s u b j e c t t o a m i n i m u m s e r v i c e p e r i o d i n a c c o r d a n c e w i t h t h e c o n t r a c t t e r m s . F e a t u r e s (c h a n n e l s) a c t i v a t e d u n d e r m o n t h - t o - m o n t h r a t e s w i l l h a v e a m i n i m u m s e r v i c e p e r i o d o f o n e m o n t h .
- F . T h e t o t a l n u m b e r o f v o i c e g r a d e e q u i v a l e n t c h a n n e l s a c t i v a t e d b y t h e c u s t o m e r m a y n o t e x c e e d t h e c a p a c i t y o f t h e b a s i c s y s t e m . A d d i t i o n a l l y , t h e r e a r e s o m e n e c e s s a r y r e s t r i c t i o n s i n t o t a l s y s t e m c a p a c i t i e s w h e r e c e r t a i n t y p e s o f c h a n n e l s e r v i c e s a r e c h a n n e l i z e d . F o r e x a m p l e , s o m e c h a n n e l i z i n g e q u i p m e n t f o r S y n c h r o N e t s e r v i c e m a y r e q u i r e t w o v o i c e e q u i v a l e n t c h a n n e l s p e r c h a n n e l p r o v i d e d b y t h e C o m p a n y . T h i s w o u l d r e d u c e a s y s t e m ' s s t a t e d c a p a c i t y s u b s t a n t i a l l y . T h e C o m p a n y w i l l n o t i f y t h e c u s t o m e r w h e n a s y s t e m ' s c a p a c i t y i s a f f e c t e d .
- (T)
- G . C e n t r a l O f f i c e c h a n n e l i z a t i o n g e n e r a l l y p r o v i d e s a n a l o g t o d i g i t a l c o n v e r s i o n t o p e r m i t i n d i v i d u a l e x c h a n g e s e r v i c e s a n d p r i v a t e l i n e c h a n n e l s e r v i c e s t o b e t r a n s p o r t e d o v e r d i g i t a l h i g h c a p a c i t y f a c i l i t i e s . I n a d d i t i o n , t h i s e q u i p m e n t p e r m i t s c o n n e c t i o n t o r e q u i r e d t e s t i n g f a c i l i t i e s a t d e s i g n a t e d h u b o r n o d e l o c a t i o n s f o r s o m e d i g i t a l o f f e r i n g s , s u c h a s S y n c h r o N e t s e r v i c e . T h i s c h a n n e l i z a t i o n i s a l s o i n t e n d e d f o r u s e a t C o m p a n y l o c a t i o n s w h e r e d i f f e r e n t h i g h c a p a c i t y d i g i t a l n e t w o r k l i n k s t e r m i n a t e i n t h e s a m e c e n t r a l o f f i c e a n d m u s t b e c o n v e r t e d t o i n d i v i d u a l a n a l o g o r d i g i t a l c h a n n e l s b e f o r e i n d i v i d u a l s e r v i c e l i n k s c a n b e c r o s s - c o n n e c t e d . S y s t e m c a p a c i t i e s b e l o w a r e p r o v i d e d i n g r o u p s o f 2 4 v o i c e g r a d e e q u i v a l e n t c h a n n e l s , a n d a r e s u b j e c t t o t h e l i m i t s a s s e t f o r t h i n p a r a g r a p h F .

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.3 MegaLink Channel Service (Cont'd)

B 7.3.1 General (Cont'd)

- H. 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 the Company, on a de-tariffed basis. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company. (T)
1. Responsibilities of the Company: (T)
 - 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. (T)
 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: (T)

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.
 - I. The technical specifications and standard network interfaces for DS1 and associated services are contained in Technical Reference #73525. This publication is available from Documentation Operations, 9th Floor, 2121 8th Avenue North, Birmingham, Alabama 35203. Channelized DS1 service is available only with D4 channel bank equipment or compatible equivalent equipment. (T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 3 M e g a L i n k C h a n n e l S e r v i c e (C o n t d)

B 7 3 1 G e n e r a l (C o n t d)

- J. 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.

B 7 3 2 A p p l i c a t i o n o f R a t e s

- A. Monthly rates as specified in B 7 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 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 B 7 1 are applicable.
- B. Network Access Service is provided for channels within each MegaLink channel service package on a Bulk Usage Measured Rate at the monthly recurring rates and charges as specified in B 7 3 4, applicable for each channel within a package that is activated for network access. In addition, all applicable terms, conditions, rates, and charges specified in A 3 2 6 and/or A 3 2 8, will apply. (T)
- C. Rates and charges specified in other guidebook sections for services such as Touch-Tone, Custom Calling Service, Grouping 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 B 7 1.
- D. All usual and applicable Installation Charges and/or Nonrecurring Charges as specified in other guidebooks 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 B 2 4, except as modified herein. Contract rate increases are subject to the stipulations of paragraph F. All elements of a contract will expire at the same time (be coterminous). (T)
1. Individual network access 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 period option at current rates or revert to current rates on a month-to-month basis.

G . (D E L E T E D)

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

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 3 M e g a L i n k C h a n n e l S e r v i c e (C o n t d)

(T)

B 7 3 2 A p p l i c a t i o n o f R a t e s (C o n t d)

G . (D E L E T E D)

(D)

H . For term plans entered into on or after April 3, 2001, a customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2 4 9 A 4 .

(T)

I . 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 paragraph B 2 4 9 A .11 will apply.

(T)

J . Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as specified in paragraph B 7 3 4 C .

(T)

B 7 3 3 D i g i t a l A r c h i t e c t u r e a n d D e f i n i t i o n s

A . D i g i t a l A r c h i t e c t u r e

MegaLink channel 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.

(T)

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 the Private Line or General Exchange Guidebooks.

(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.

(T)

B . D e f i n i t i o n s

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.

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 Technical Reference 73525.

(T)

B7.DIGITAL NETWORK SERVICE**B7.3 MegaLink Channel Service (Cont'd)** (T)**B7.3.3 Digital Architecture and Definitions (Cont'd)****B. Definitions (Cont'd)****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 time-division multiplexed, 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 Technical Reference 73525. (T)

B7.D DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Contd)

(r)

B7.3.4 Rates and Charges (Contd)

A. Basic System Capacity (Contd)

B7.D DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Contd)

(r)

B7.3.4 Rates and Charges (Contd)

B. Feature Activation (Contd)

B7.D DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Contd)

B7.3.4 Rates and Charges (Contd)

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.

E. Automatic Protection Switching (APS)

APS for a MegaLink service DS1 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

Rates and charges for Network Access lines are applicable as contained in A3.26 and/or A3.28 of the General Exchange Guidebook in addition to Feature Activation and other MegaLink service rates and charges contained herein. (T)

B7.D DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Contd)

(r)

B7.3.4 Rates and Charges (Contd)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.4 LightGate Service

B 7.4.1 General

(DELETED)

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 DS1, DS3, 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 M bps, 100 M bps, Fractional 1000 M bps and 1000 M bps 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.

(D)

(F)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 4 L i g h t G a t e S e r v i c e (C o n t d)

B 7 . 4 . 1 G e n e r a l (C o n t 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 . 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.
- G . 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 guidebook sections. (T)
- H . 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 contact terms. Features (channels) activated under month-to-month rates will have a minimum service period of one month.
- I . 100 M bps and 1000 M bps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 M bps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface.
- 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. (T)
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 Technical Reference #73501.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 4 L i g h t G a t e S e r v i c e (C o n t d)

B 7 . 4 . 1 G e n e r a l (C o n t d)

- 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.
- 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 (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 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 . Credit Allowance

When LightGate 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. Where service interruptions of one minute or more per occasion occur, the credit applied shall be at the rate of 1440/1440 of the monthly charges for the LightGate service. All credit allowances shall begin from the time of notice by the customer to the Company, and will end when the service is operative. 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. Outage credits for DS1 channel interfaces and subtending DS1 services are as set forth in the guidebook sections governing those services. (T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 4 L i g h t G a t e S e r v i c e (C o n t d)

B 7 . 4 . 1 G e n e r a l (C o n t d)

- P . The technical specifications and standard network interfaces for LightGate service, DS3, DS1 and associated channelization are contained in Technical Reference No. 73501. This publication is available from Documentation Operations, North W 5A 1, 3535 Colonnade Parkway, Birmingham, Alabama 35243. (T)

B 7 . 4 . 2 A p p l i c a t i o n O f R a t e s

- A . Monthly rates and charges as specified in B 7 . 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 communication equipment, and first half air-mile of local channel facilities at rates specified in B 7 . 4 . 5 A . Rates for additional lengths of local channel facilities are as specified in B 7 . 4 . 5 B . (T)
2. Separate Alternate Facility Transport (SAFT) options for LightGate service local channels are offered at the rates specified in B 7 . 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 B 7 . 4 . 5 D . (T)

- B . All usual and applicable Installation Charges and/or Nonrecurring Charges as specified in other guidebooks 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)

- C . Channel interfaces are required for LightGate service based upon the following guidelines:

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 paragraph 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:
 - to another LightGate service local channel or interoffice channel at the compatible optical level,
 - to a SM ARTRing service channel interface (CI) at the compatible optical level, or
 - to a compatible optical level channel interface from a higher level LightGate service local channel or interoffice channel.
3. LightGate service channel interfaces are only offered in conjunction with a LightGate service System .
4. Company provided DS1 customer channel interfaces are offered only with LightGate 1, LightGate STS-1 and LightGate OC-3 Basic Systems. Also, a maximum of 96 DS1 customer channel interfaces are available on LightGate OC-48 and LightGate OC-192 Basic Systems installed on or after November 28, 2003 .
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.
6. OC-192 LightGate service local channel systems, installed prior to November 28, 2003, 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.
7. OC-3 LightGate service local channel systems which require a DS3 termination at one location and DS1 terminations at the other, have two options available:
 - 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.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 4 L i g h t G a t e S e r v i c e (C o n t ' d)

B 7 . 4 . 2 A p p l i c a t i o n o f R a t e s (C o n t ' d)

C . (C o n t ' d)

8. For Light Gate service Interoffice Channel Systems the following is applicable:

- A 28 DS1 channel system in addition to DS1 channel interfaces provide DS1 channel termination capability with Light Gate 1 service. (T)
- An STS-1 channel system, in addition to DS1 channel interfaces, provides DS1 channel termination capability with STS-1 Light Gate service. (T)
- An OC-3 channel system, in addition to DS1 channel interfaces, provides DS1 channel termination capability with OC-3, OC-12, OC-48 and OC-192 Light Gate service. OC-3, OC-12 or OC-48 channel systems, in addition to DS3 or STS-1 channel interfaces, provide DS3 or STS-1 channel termination capability with Light Gate OC-192 Interoffice Channel Systems. (T)

9. A channel system in addition to the lower level interfaces replaces the requirement for the higher level interface. For example, an OC-3 central office interface would be replaced with an OC-3 channel system and DS1 central office interfaces.

D. Light Gate service local channel mileage and Separate Alternate Facilities Transport mileage rates are distance sensitive. They are measured per half airline mile or fraction thereof from the customer's designated premises to the Serving Wire Center. Mileage is computed by using methodology and Vertical (V) and Horizontal (H) coordinates contained in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Fractional mileage shall be rounded up to the next half mile. (T)

E. Interoffice Channels furnished between Central Offices will be charged at rates based on airline distance between the Central Offices. Mileage is shown in B 7 . 4 . 5 D in terms of mileage bands. To determine the rate to be billed, first compute the mileage using methodology and Vertical (V) and Horizontal (H) coordinates contained in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Next find the band into which the computed mileage falls and apply the rates shown for that band. Fractional mileage shall be rounded up to the next full mile. (T)

F. Light Gate service OC-3, OC-12 or OC-48 channel interfaces are associated with optical circuits within a Light Gate service System. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. When an optical circuit is provisioned as concatenated at the time the circuit is installed, there is no additional charge for provisioning it as concatenated. When an existing non-concatenated optical circuit is requested to be reconfigured as concatenated, a concatenation rearrangement charge shall apply. This rearrangement charge shall also apply when a request is made to convert an existing concatenated circuit to non-concatenated. This rearrangement charge is specified in B 7 . 4 . 5 E and is applied on a per circuit basis. (T)

G. Customers may request a C-Bit Parity framing format for a DS3 level circuit. If the request is made at the time the circuit is installed, there is no additional charge. When a request for C-Bit Parity framing format is made for an existing circuit, a nonrecurring charge will be applicable for reorganizing the framing format on the circuit. This charge will also be applicable if a customer requests that the C-Bit Parity framing format be removed from a circuit. This charge is specified in B 7 . 4 . 5 F, and is applied on a per circuit basis. (T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 4 L i g h t G a t e S e r v i c e (C o n t d)

B 7 . 4 . 2 A p p l i c a t i o n O f R a t e s (C o n t d)

- H . LightGate service Systems are available under contract only for variable rate periods with rates based on lengths of 24 to 48 months¹, 49 to 72 months¹, or 73 to 96 months¹ under conditions specified in B 2 . 4 except as modified following. Contract rate increases are subject to the stipulations of paragraph K . All elements of a contract will expire at the same time (be contemporaneous).
- 1 . LightGate service Systems are available only under contract as specified preceding. Month to month rates are only available at the end of a contract rate period. Central office and customer channel interfaces are available on a month to month basis or under contract.
 - 2 . All rate elements associated with a LightGate service local channel or interoffice channel must be provided under the same payment plan; provided however, that channel interfaces may be activated on month-to-month rates or a shorter payment period if desired.
 - 3 . Channelized DS1/1.544 Mbps channels and Sub-DS1 Feature Activations are available under terms contained in the Megalink channel service Guidebook.
- I . 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 B 2 . 4 .
- J . A Termination Liability Charge is applicable at the date of termination.
- K . A customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2 . 4 . 9 A . 4 .
- L . Transfer of service responsibility between customers is permitted subject to payment of a Transfer Charge as determined on an individual case basis.

(T)

(T)

B 7 . 4 . 3 D i g i t a l A r c h i t e c t u r e A n d D e f i n i t i o n s

A . D i g i t a l A r c h i t e c t u r e

- 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 superseded 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 (CSUs) necessary for digital services are the responsibility of the customer.

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

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.4 LightGate Service (Cont'd)

(T)

B 7.4.3 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 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 Technical Reference 73501.

(T)

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 Technical Reference 73525.

(T)

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 (NRZ) signals with a B3ZS format. The required format and interface specifications are contained in Technical Reference 73501.

(T)

LIGHTGATE 1 SERVICE

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 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.

(T)

(T)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.4 LightGate Service (Cont'd)

(T)

B 7.4.3 Digital Architecture And Definitions (Cont'd)

B. Definitions (Cont'd)

(Obsoleted. See Section B107.)

SYNCHRONOUS LIGHTGATE SERVICES

(T)

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 Technical Reference #73501.

(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 M bps. 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 Technical Reference #73501.

(T)

(N)

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.4 LightGate Service (Contd)

B 7.4.4 Rates and Charges (Obsoleted. See Section B107.)

(T)

B 7.4.5 Rates and Charges

A. LightGate service Local Channel Systems

The Basic System includes photonic comm on equipment and first one-half air mile of local channel fiber optic facilities.

	Nonrecurring Charge	Month to Month	24 to 48 ² Months	49 to 72 ² Months	73 to 96 ² Months	USOC
1. LightGate 1 Basic System ¹						
(a) Per System	\$300.00	\$ 3,577.00	\$ 1,590.00	\$ 1,440.00	\$ 1,290.00	H FSC 7
2. LightGate STS-1 Basic System ¹						
(a) Per System	700.00	2,070.00	1,590.00	1,440.00	1,290.00	H FST1
3. LightGate OC-3 Basic System ¹						
(a) Per System	700.00	3,700.00	3,100.00	2,800.00	2,500.00	H FSO 3
(b) Per System with Optical Customer Termination	700.00	2,432.00	1,968.00	1,776.00	1,584.00	H FSO C
(c) Per System with Optical Serving Wire Center Termination	700.00	2,432.00	1,968.00	1,776.00	1,584.00	H FSO W
4. LightGate OC-12 Basic System ¹						
(a) Per System	700.00	5,500.00	5,100.00	4,600.00	4,150.00	H FS12
(b) Per System with Optical Customer Termination	700.00	3,840.00	3,504.00	3,200.00	2,880.00	H FS1C
(c) Per System with Optical Serving Wire Center Termination	700.00	3,840.00	3,504.00	3,200.00	2,880.00	H FS1W
5. LightGate OC-48 Basic System ¹						
(a) Per System	700.00	13,000.00	11,000.00	10,000.00	9,000.00	H FS48
(b) Per System with Optical Customer Termination	700.00	8,000.00	7,040.00	6,400.00	5,760.00	H FS4C
(c) Per System with Optical Serving Wire Center Termination	700.00	8,000.00	7,040.00	6,400.00	5,760.00	H FS4W
6. LightGate OC-192 Basic System ¹						
(a) Per System	700.00	26,000.00	20,000.00	18,000.00	16,000.00	H FST2

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

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

B 7 . D I G I T A L N E T W O R K S E R V I C E

(DELETED)

D)

B 7 . 6 D i s t a n c e L e a r n i n g V i d e o T r a n s p o r t S e r v i c e

B 7 . 6 . 1 G e n e r a l

Pursuant to Tennessee Public Service Commission Order No. 91-07159, this guidebook offering provides DS1 transport service only to educational institutions that will use the service for classroom instruction.

(T)

B 7 . 6 . 2 T e r m s a n d C o n d i t i o n s

(T)

A. This offering is available to full-time educational institutions that are eligible for accreditation by the Southern Association of Colleges and Schools and is to be used for classroom instruction. This Guidebook is also available to public libraries including the state library and archives, regional libraries, and public libraries in any county, city or town.

(T)

B. Unless otherwise specified, all terms and conditions for MegaLink service, as contained in B 7 . 1 , apply.

(T)

B 7 . 6 . 3 T y p e s o f R a t e s a n d C h a r g e s

A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

1. 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. Monthly rates for Distance Learning Video Transport service are set forth in B 7 . 6 . 4 .

(T)

2. Nonrecurring Charges are one-time charges that apply for a specific work activity. A description of the three types of nonrecurring charges and the associated charges are set forth in B 7 . 1 .

(T)

B. Following are the basic monthly rate elements which apply to Distance Learning Video Transport service.

1. A digital local channel provides for a communication path between a designated customer premises and the serving wire center. A monthly rate applies for the digital local channel.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 7 S e l f H e a l i n g M u l t i - N o d a l A l t e r n a t e R o u t e T o p o l o g y R i n g (S M A R T R i n g) S e r v i c e (Contd)

B 7 . 7 . 1 G e n e r a l (C o n t d)

- F. The compatibility requirements, technical specifications, and generic requirements for SM ARTRing service terminated at the customer's designated locations are referenced in Technical Reference ANSIT1.404-1989, and ANSIT1.403-1989.
- G. DS3 interface combinations and technical specifications are referenced in Bellcore TR -INS-000342.
- H. DS1 interface combinations and technical specifications are referenced in Bellcore TR -NPL-000054.
- I. SM ARTRing service DS3 high capacity service channels have a performance objective of 99.5 percent (99.5%) error-free seconds over a continuous twenty four hour period. Self-healing multi-nodal DS1 high capacity service channels have a performance objective of 99.95 percent (99.95%) error-free seconds over a continuous twenty four hour period. (T)
- J. SM ARTRing 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 herein. FlexServ service CNM is available with two options: 1) Surveillance or 2) Reconfiguration. Customers wishing to incorporate either of these capabilities into their SM ARTRing 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 SM ARTRing service Rearrangement charge applies as set forth in paragraph 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 SM ARTRing service channel interfaces at every Customer Node and Central Office Node where reconfiguration capability is desired.
- Reconfiguration is not available with 100 M bps and 1000 M bps Metro Ethernet Backbone interfaces.
- K. SM ARTRing service ordered and installed after May 18, 2006, is available with an optional feature and function capability in which a customer may utilize all or part of his SM ARTRing 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.
- SM ARTRing 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.

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 8 S M A R T P a t h S e r v i c e

(DELETED)

(T)

(D)

B 7 . 8 . 1 G e n e r a l

- A . S M A R T P a t h s e r v i c e i s f u r n i s h e d f o r P r i v a t e L i n e I n t r a L A T A C o m m u n i c a t i o n s b y t h e C o m p a n y . (T)
- B . S M A R T P a t h s e r v i c e i s a s e r v i c e f o r t r a n s m i s s i o n o f d i g i t a l s i g n a l s o n l y a n d u s e s o n l y d i g i t a l t r a n s m i s s i o n f a c i l i t i e s . (T)
- C . S M A R T P a t h s e r v i c e i s a s h a r e d h i g h c a p a c i t y n e t w o r k s e r v i c e c a p a b l e o f p r o v i d i n g a 1 . 5 4 4 M b p s t r a n s p o r t l i n k w i t h h i g h p e r f o r m a n c e a n d r e l i a b i l i t y p a r a m e t e r s a n d a l e v e l o f r e d u n d a n c y / d i v e r s i t y d e s i g n e d t o l i m i t a s i n g l e e v e n t f r o m i n t e r r u p t i n g s e r v i c e . (T)
- D . T h i s s e r v i c e i s a v a i l a b l e o n l y i n t h o s e l o c a t i o n s w i t h i n s p e c i f i e d S M A R T P a t h s e r v i c e A r e a s w h i c h t h e C o m p a n y d e t e r m i n e s c a n b e i n c o r p o r a t e d i n t o t h e S M A R T P a t h s e r v i c e n e t w o r k e n a b l i n g t h e C o m p a n y t o p r o v i d e t h e s p e c i f i e d l e v e l o f p e r f o r m a n c e a n d r e l i a b i l i t y . F o r l o c a t i o n s w h e r e a c u s t o m e r r e q u e s t s S M A R T P a t h s e r v i c e a n d f a c i l i t i e s a r e n o t a v a i l a b l e , c o n s t r u c t i o n c h a r g e s w i l l a p p l y a s s e t f o r t h o n S e c t i o n B 5 . (T)
- E . S M A R T P a t h s e r v i c e A r e a s a r e i d e n t i f i e d i n t h e N a t i o n a l E x c h a n g e C a r r i e r T a r i f f (N E C A) F . C . C . N o . 4 . (T)
- F . T h e t e c h n i c a l s p e c i f i c a t i o n s a n d s t a n d a r d n e t w o r k i n t e r f a c e s f o r S M A R T P a t h s e r v i c e a r e c o n t a i n e d i n T e c h n i c a l R e f e r e n c e P u b l i c a t i o n 7 3 5 7 5 . T h i s p u b l i c a t i o n i s a v a i l a b l e f r o m D o c u m e n t a t i o n O p e r a t i o n s , N o r t h W 5 A 1 , 3 5 3 5 C o l o n n a d e P a r k w a y , B i m i n g h a m , A l a b a m a 3 5 2 4 3 . (T)
- G . D S 1 s c a r r i e d o v e r S y n c h r o n o u s O p t i c a l N e t w o r k (S O N E T) t r a n s p o r t s y s t e m s c a n i n c u r p h a s e t r a n s i e n t s a s a r e s u l t o f p o i n t e r a d j u s t m e n t s . I n s o m e i n s t a n c e s t i m i n g p r o b l e m s c o u l d s u r f a c e i n c u s t o m e r ' s e q u i p m e n t w i t h S t a t u m 3 o r b e t t e r c l o c k s . T h i s m a y r e s u l t i n t h e c u s t o m e r ' s c l o c k d i s q u a l i f y i n g i t s s y n c h r o n i z a t i o n r e f e r e n c e , g e n e r a t i n g a n a l a r m a n d / o r s e l e c t i n g a n a l t e r n a t e r e f e r e n c e o r e n t e r i n g h o l d o v e r . T o i n s u r e p r o p e r o p e r a t i o n , c h a n n e l i z e d D S 1 c i r c u i t s m u s t c o m p l y w i t h B e l l c o r e T e c h n i c a l A d v i s o r y , T A - N W T - 0 0 0 4 3 6 , D i g i t a l S y n c h r o n i z a t i o n N e t w o r k P l a n , a n d A N S I T 1 . 1 0 1 - 1 9 9 4 . W h e n t i m i n g i s t a k e n f r o m a C o m p a n y t r a n s p o r t e d D S 1 , t h e c u s t o m e r ' s e q u i p m e n t m u s t b e c a p a b l e o f a c c o m m o d a t i n g S O N E T p o i n t e r a d j u s t m e n t s .

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 8 S M A R T P a t h S e r v i c e (C o n t d)

B 7 . 8 . 2 T e r m s a n d C o n d i t i o n s

A . D e s c r i p t i o n o f S e r v i c e

1. SM ARPPath service provides a transport link between a customer designated premises where the network is accessed and 1) another customer designated premises, in the same SM ARPPath service Area or 2) a serving wire center in the same SM ARPPath service Area for connection to a) MegaLink Channel Service, FlexServ service, or LightGate service, or b) a SM ARPPath service Area Junction of another SM ARPPath service area in the same Metropolitan Area. (T)
2. The performance objectives for SM ARPPath service are as follow : (T)
 - a. Meet or exceed 99.99 percent (99.99%) Circuit Availability on a monthly basis. This objective applies except where a customer's equipment is disconnected and/or inoperative. (T)
 - b. Meet or exceed 99.95 (99.95%) percent Error Free Seconds on a monthly basis. (T)
 - c. Meet or exceed .009 percent (.009%) Severely Errored Seconds on a monthly basis. (T)
3. The performance guarantee for SM ARPPath service is as follows: (T)
 - a. Guaranteed Service Installation - the Company will meet negotiated due date or credit an amount equal to the nonrecurring charge according to the Service Installation Guarantee described in B 2 . 4 . 1 7 .
 - b. Service Continuity - in the event of primary facility 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 paragraph B 7 . 8 . 2 . E . 2 where the trouble is in the network on public right-of-way. (T)

B . D e f i n i t i o n s

SM ARPPath service Area Connection

The SM ARPPath service Area Connection provides for the connection at the designated premises where the customer gains access to SM ARPPath service and transport to a designated junction in the same SM ARPPath service Area. (T)

SM ARPPath service Area Junction

The SM ARPPath service Area Junction provides for the connection between the SM ARPPath service network and 1) another customer designated premises, in the same SM ARPPath service Area or 2) a serving wire center in the same SM ARPPath service Area for connection to a) DS1 Basic Channelization, FlexServ service, or LightGate service, or b) a SM ARPPath service Area Junction of another SM ARPPath service Area in the same Metropolitan Area. (T)

C . A p p l i c a t i o n o f R a t e s

1. Monthly rates and charges as specified in B 7 . 8 . 3 apply for each SM ARPPath service. The transport provided within a SM ARPPath service Area is provided at 1.544 M bps. Rate categories include a SM ARPPath service Area Connection, and a SM ARPPath service Area Junction. (T)

B 7 . D D I G I T A L N E T W O R K S E R V I C E

B 7 . 8 S M A R T P a t h S e r v i c e (C o n t d)

B 7 . 8 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

C . A p p l i c a t i o n o f R a t e s (C o n t d)

2. Recurring and nonrecurring charges apply for each SM ARTPath service Area Connection and SM ARTPath service Area Junction.
3. SM ARTPath service is available under several payment plans: Month-to-month (with a 4 month minimum), Plan A (24-48 Months¹) or Plan B (49-72 Months¹). Plan A and Plan B are provided under conditions specified in the Channel Services Payment Plan (CSPP), paragraph B 2 . 4 . 9 B . If upon completion of a payment period option 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 B 2 . 4 .
4. The rates applicable to a month-to-month payment plan are subject to Company initiated changes. Rates stabilized under a CSPP arrangement are exempt from Company initiated increases; however decreases for any rate element will automatically flow through to the customer.
5. A SM ARTPath service performance credit, as specified in paragraph B 7 . 8 . 2 . E 2 will apply.

D . C o n n e c t i o n s

1. Customer Provided Terminal Equipment, Customer Provided Derivation Equipment and Customer Provided Communications Systems may be connected to SM ARTPath service when such connection is made in accordance with the provisions specified in paragraphs 2 and 3.
2. Responsibility of the Company
 - a. The responsibility of the Company shall be limited to the furnishing and maintenance of SM ARTPath service to a network interface on the customer's premises.
 - b. The Company shall not be responsible for installation, maintenance of any terminal equipment or communications systems provided by a customer. SM ARTPath 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 SM ARTPath 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 system, 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 SM ARTPath 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.
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 to SM ARTPath service such equipment or facilities are operating properly.

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

B 7. D I G I T A L N E T W O R K S E R V I C E

B 7.8 S M A R T P a t h S e r v i c e (C o n t d)

B 7.8.2 T e r m s a n d C o n d i t i o n s (C o n t d)

D . C o n n e c t i o n s (C o n t d)

3 . R e s p o n s i b i l i t y o f t h e C u s t o m e r (C o n t d)

- 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; 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 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 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. ANSI T1.403-1989 Extended SuperFrame Format (ESF) is required on all circuits in order to assure performance objectives.

E . P a y m e n t A r r a n g e m e n t s a n d C r e d i t A l l o w a n c e s

- 1. The minimum service period for SMARTPath service is four (4) months.
- 2. For SMARTPath service, failure by the Company to meet the performance guarantee as described in A 3 b will prompt a credit equal to 100 percent (100%) for affected SMARTPath service rate elements. The monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., SMARTPath service Area Connection and SMARTPath service Area Junction). A customer request for credit will not be required. The credit will be applied through normal administrative processes and the dollar amount will be reflected on the customer's bill. The credit will apply no more than once per calendar month and shall not exceed the monthly rate for the service.
- 3. (DELETED)
- 4. (DELETED)
- 5. SMARTPath service is eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in B 2.4.17.

B 7.8.3 R a t e s a n d C h a r g e s

	Nonrecurring Charge		M onth to M onth	P l a n A 24 to 48 ¹ M onths	P l a n B 49 to 72 ¹ M onths	U S O C
	F i r s t	A d d ' l				
A . S M A R T P a t h s e r v i c e A r e a C o n n e c t i o n						
1. 1.544 M bps						
(a) Per SMARTPath service Area Connection	\$435.00	\$140.00	\$300.00	\$210.00	\$200.00	SP1AC
B . S M A R T P a t h s e r v i c e A r e a J u n c t i o n						
1. 1.544 M bps						
(a) Per Customer Designated Premises	435.00	140.00	125.00	80.00	65.00	SP1AJ
(b) Per Serving Wire Center Connection	435.00	140.00	50.00	25.00	20.00	SP1SW

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

B 7 . D D I G I T A L N E T W O R K S E R V I C E

B 7 . 8 S M A R T P a t h S e r v i c e (C o n t d)

(T)

B 7 . 8 . 3 R a t e s a n d C h a r g e s (C o n t d)

C . S e r v i c e R e a n a g e m e n t s

If the change involves changing a customer's MegaLink service, to SMARTPath service, the change will be considered a disconnect of the existing service and full nonrecurring charges will apply for the SMARTPath service. If the existing MegaLink service is provided under a Channel Services Payment Plan (CSPP) agreement, a change to SMARTPath service under CSPP will be considered an upgrade and termination liability charges will not apply.

(T)

D . M o v e s

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 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. M o v e s W i t h i n t h e S a m e B u i l d i n g

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 basic service.

b. T o a D i f f e r e n t B u i l d i n g

For SMARTPath service point-to-point arrangements within the same SMARTPath service area, moves to a different building will be treated as a service move rather than a discontinuance and start of service. Nonrecurring charges will apply for the SMARTPath service Area Connection or the SMARTPath service Area Junction at the location being moved.

(T)

For SMARTPath service point-to-point arrangements with termination points in different SMARTPath service Areas, a move to a different building within the same SMARTPath service Area will be treated as a service move rather than a discontinuance and start of service. Nonrecurring charges will apply for the SMARTPath service Area Connection or the SMARTPath service Area Junction at the location being moved.

(T)

For SMARTPath service point-to-point arrangements with terminating points in different SMARTPath service Areas, a move to a different building in a different SMARTPath service Area will be treated as a discontinuance and start of service. All associated nonrecurring charges will apply.

(T)

The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

E . T e r m i n a t i o n L i a b i l i t y C h a r g e s

1. 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.
2. (DELETED)
3. A customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2 4 9 A 4 .

(D)

(T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 9 M e g a L i n k P l u s S e r v i c e (T)

B 7 . 9 . 1 G e n e r a l

- A . M e g a L i n k P l u s s e r v i c e i s f u r n i s h e d f o r P r i v a t e L i n e I n t r a L A T A C o m m u n i c a t i o n s b y t h e C o m p a n y . (T)
- B . M e g a L i n k P l u s s e r v i c e i s a s e r v i c e f o r t r a n s m i s s i o n o f d i g i t a l s i g n a l s o n l y a n d u s e s o n l y d i g i t a l t r a n s m i s s i o n f a c i l i t i e s . (T)
- C . M e g a L i n k P l u s s e r v i c e i s a f i b e r - b a s e d h i g h c a p a c i t y n e t w o r k s e r v i c e p r o v i d i n g a 1 . 5 4 4 M b p s t r a n s p o r t l i n k w i t h h i g h p e r f o r m a n c e a n d r e l i a b i l i t y p a r a m e t e r s . T h i s s e r v i c e u t i l i z e s s t r u c t u r a l l y d i v e r s e l o o p f a c i l i t i e s d e s i g n e d t o l i m i t s i n g l e p o i n t s o f f a i l u r e b e t w e e n a c u s t o m e r ' s l o c a t i o n a n d i t s n o r m a l s e r v i n g w i r e c e n t e r . (T)
- D . M e g a L i n k P l u s s e r v i c e i s a v a i l a b l e t o c u s t o m e r l o c a t i o n s w h e r e e x i s t i n g l o o p f a c i l i t i e s a r e f i b e r - b a s e d a n d u t i l i z e s t r u c t u r a l l y d i v e r s e r o u t e s . F o r l o c a t i o n s w h e r e l o o p f a c i l i t i e s a r e n o t a v a i l a b l e t o s a t i s f y c u s t o m e r r e q u e s t s f o r M e g a L i n k P l u s s e r v i c e , s p e c i a l c o n s t r u c t i o n c h a r g e s w i l l a p p l y a s s e t f o r t h i n S e c t i o n B 5 . (T)
- E . T h e t e c h n i c a l s p e c i f i c a t i o n s a n d s t a n d a r d n e t w o r k i n t e r f a c e s f o r M e g a L i n k P l u s s e r v i c e a r e c o n t a i n e d i n T e c h n i c a l R e f e r e n c e P u b l i c a t i o n 7 3 5 2 5 . T h i s p u b l i c a t i o n i s a v a i l a b l e f r o m R e g i o n a l D o c u m e n t a t i o n S e r v i c e s , 6 0 0 N o r t h 1 9 t h S t r e e t , 2 0 t h F l o o r , B i m i n g h a m , A l a b a m a 3 5 2 0 3 . (T)

B 7 . 9 . 2 T e r m s a n d C o n d i t i o n s (T)

A . D e s c r i p t i o n o f S e r v i c e

- 1 . M e g a L i n k P l u s s e r v i c e u t i l i z e s a s e l f - h e a l i n g d i v e r s e f i b e r - b a s e d l o c a l c h a n n e l (l o o p) t r a n s p o r t l i n k b e t w e e n a c u s t o m e r d e s i g n a t e d p r e m i s e s a n d t h e n o r m a l s e r v i n g w i r e c e n t e r . (T)
- 2 . M e g a L i n k P l u s s e r v i c e i s f u r n i s h e d o n a l i n k (p a r t i a l) b a s i s f o r c o n n e c t i o n a t t h e n o r m a l s e r v i n g w i r e c e n t e r t o a n o t h e r M e g a L i n k P l u s s e r v i c e , a n E S S X s e r v i c e ¹ , M e g a L i n k c h a n n e l s e r v i c e , F l e x S e r v s e r v i c e , L i g h t G a t e s e r v i c e , o r S M A R T R i n g s e r v i c e . C o n n e c t i v i t y b e t w e e n M e g a L i n k P l u s s e r v i c e a n d t h e s e o t h e r s e r v i c e s m a y b e p r o v i d e d v i a a M e g a L i n k s e r v i c e I n t e r o f f i c e C h a n n e l b e t w e e n c e n t r a l o f f i c e s . (T)
- 3 . A l l a p p r o p r i a t e r a t e s , c h a r g e s , t e r m s a n d c o n d i t i o n s s p e c i f i e d i n o t h e r g u i d e b o o k s e c t i o n s f o r c o n n e c t e d s e r v i c e s a r e i n a d d i t i o n t o t h o s e f o r M e g a L i n k P l u s s e r v i c e s p e c i f i e d i n t h i s g u i d e b o o k . (T)
- 4 . P e r f o r m a n c e o b j e c t i v e s f o r M e g a L i n k P l u s s e r v i c e b e t w e e n t h e c u s t o m e r ' s l o c a t i o n a n d t h e s e r v i n g w i r e c e n t e r a r e a s f o l l o w s : (T)
 - a . M e e t o r e x c e e d 9 9 . 9 8 p e r c e n t (9 9 . 9 8 %) C i r c u i t A v a i l a b i l i t y . (T)
 - b . M e e t o r e x c e e d 9 9 . 9 5 p e r c e n t (9 9 . 9 5 %) E n o r F r e e S e c o n d s . (T)
 - c . M e e t o r e x c e e d . 0 1 0 p e r c e n t (. 0 1 0 %) S e v e r e l y E r r o r e d S e c o n d s . (T)

The objectives apply except when a customer's equipment and/or cabling is disconnected and/or inoperative, or when a M e g a L i n k s e r v i c e I n t e r o f f i c e C h a n n e l i s u s e d i n c o n j u n c t i o n w i t h a M e g a L i n k P l u s s e r v i c e L o c a l C h a n n e l . C o n s u l t T R 7 3 5 2 5 f o r a d d i t i o n a l i n f o r m a t i o n c o n c e r n i n g s e r v i c e p e r f o r m a n c e o b j e c t i v e s . (T)

- 5 . P e r f o r m a n c e g u a r a n t e e s f o r M e g a L i n k P l u s s e r v i c e a r e a s f o l l o w : (T)
 - a . S e r v i c e I n s t a l l a t i o n (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 B 2 . 4 . 1 7 .
 - b . S e r v i c e C o n t i n u i t y (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 E 3 where the trouble is in the local loop facility on public right-of-way.

Note 1: Connection from M e g a L i n k P l u s s e r v i c e t o E S S X s e r v i c e m a y n o t b e a v a i l a b l e f r o m a l l s e r v i n g w i r e c e n t e r s . (T)

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 9 M e g a L i n k P l u s S e r v i c e

B 7 . 9 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

B . D e f i n i t i o n s

M E G A L I N K P L U S S E R V I C E L O C A L C H A N N E L

The M e g a L i n k P l u s S e r v i c e L o c a l C h a n n e l p r o v i d e s f o r t h e c o n n e c t i o n b e t w e e n a c u s t o m e r ' s d e s i g n a t e d p r e m i s e s t o t h e i r s e r v i n g w i r e c e n t e r .

C . A p p l i c a t i o n o f R a t e s

1. M o n t h l y r a t e s a n d c h a r g e s a s s p e c i f i e d i n B 7 . 9 . 3 A a p p l y f o r e a c h M e g a L i n k P l u s s e r v i c e l o c a l c h a n n e l .
2. R e c u r r i n g a n d n o n r e c u r r i n g r a t e s a n d c h a r g e s a p p l y f o r e a c h M e g a L i n k P l u s s e r v i c e . N o n r e c u r r i n g c h a r g e s w i l l n o t a p p l y f o r t h e M e g a L i n k P l u s s e r v i c e L o c a l C h a n n e l r a t e e l e m e n t w h e n M e g a L i n k P l u s s e r v i c e i s f u r n i s h e d u n d e r a p a y m e n t p l a n o t h e r t h a n m o n t h - t o - m o n t h . A v a i l a b l e p a y m e n t p l a n s a r e d e s c r i b e d i n p a r a g r a p h 3 .
3. M e g a L i n k P l u s s e r v i c e i s a v a i l a b l e u n d e r s e v e r a l p a y m e n t p l a n s : M o n t h - t o - m o n t h (w i t h a o n e m o n t h m i n i m u m) , P l a n A (2 4 - 4 8 M o n t h s ²) , P l a n B (4 9 - 7 2 M o n t h s ²) a n d P l a n C (7 3 - 9 6 M o n t h s ²) u n d e r c o n d i t i o n s s p e c i f i e d i n t h e C h a n n e l S e r v i c e s P a y m e n t P l a n (C S P P) i n B 2 . 4 .
4. M o n t h - t o - m o n t h p a y m e n t p l a n r a t e s a r e s u b j e c t t o C o m p a n y i n i t i a t e d c h a n g e s . M e g a L i n k P l u s s e r v i c e r a t e s p r o v i d e d u n d e r a C S P P a n a g e m e n t a r e e x e m p t f r o m C o m p a n y i n i t i a t e d r a t e i n c r e a s e s f o r t h e d u r a t i o n o f t h e p a y m e n t p l a n l e n g t h s e l e c t e d ; h o w e v e r , d e c r e a s e s o n r e c u r r i n g r a t e s w i l l f l o w t h r o u g h t o t h e c u s t o m e r .
5. A T e r m i n a t i o n L i a b i l i t y C h a r g e i s a p p l i c a b l e a t t h e d a t e o f t e r m i n a t i o n .
6. (D E L E T E D)
7. A c u s t o m e r ' s l i a b i l i t y f o r t h e t e r m i n a t i o n o f s e r v i c e p r i o r t o t h e t i m e t h e c u s t o m e r ' s o b l i g a t i o n s u n d e r t h e t e r m p l a n w o u l d h a v e o t h e r w i s e b e e n s a t i s f i e d a r e s e t f o r t h i n p a r a g r a p h B 2 . 4 . 9 A . 4 .
8. A s e r v i c e p e r f o r m a n c e c r e d i t a s s p e c i f i e d i n p a r a g r a p h E 3 w i l l a p p l y .

D . C o n n e c t i o n s

1. C u s t o m e r P r o v i d e d T e r m i n a l E q u i p m e n t , C u s t o m e r P r o v i d e d D e r i v a t i o n E q u i p m e n t a n d C u s t o m e r P r o v i d e d C o m m u n i c a t i o n s S y s t e m s m a y b e c o n n e c t e d t o M e g a L i n k P l u s s e r v i c e w h e n s u c h c o n n e c t i o n i s m a d e i n a c c o r d a n c e w i t h t h e p r o v i s i o n s s p e c i f i e d i n p a r a g r a p h s 2 a n d 3 .
2. R e s p o n s i b i l i t y o f t h e C o m p a n y
 - a. T h e r e s p o n s i b i l i t y o f t h e C o m p a n y s h a l l b e l i m i t e d t o t h e f u r n i s h i n g a n d m a i n t e n a n c e o f M e g a L i n k P l u s s e r v i c e t o a n e t w o r k i n t e r f a c e o n t h e c u s t o m e r ' s p r e m i s e s .
 - b. T h e C o m p a n y s h a l l n o t b e r e s p o n s i b l e f o r i n s t a l l a t i o n , o p e r a t i o n , o r m a i n t e n a n c e o f a n y t e r m i n a l e q u i p m e n t o r c o m m u n i c a t i o n s s y s t e m p r o v i d e d b y a c u s t o m e r . M e g a L i n k P l u s s e r v i c e i s n o t r e p r e s e n t e d a s a d a p t e d f o r t h e u s e o f s u c h e q u i p m e n t o r s y s t e m . W h e r e s u c h e q u i p m e n t o r s y s t e m i s c o n n e c t e d t o C o m p a n y f a c i l i t i e s , t h e r e s p o n s i b i l i t y o f t h e C o m p a n y s h a l l b e l i m i t e d t o f u r n i s h i n g o f f a c i l i t i e s s u i t a b l e f o r M e g a L i n k P l u s s e r v i c e a n d t o t h e m a i n t e n a n c e a n d o p e r a t i o n i n a m a n n e r p r o p e r f o r s u c h d i g i t a l s e r v i c e . T h e C o m p a n y s h a l l n o t b e r e s p o n s i b l e f o r :
 - t h e t h r o u g h t r a n s m i s s i o n o f s i g n a l s g e n e r a t e d b y s u c h e q u i p m e n t o r s y s t e m , o r f o r t h e q u a l i t y o f , o r d e f e c t s i n , s u c h t r a n s m i s s i o n , o r
 - t h e r e c e p t i o n o f s i g n a l s b y s u c h e q u i p m e n t o r s y s t e m s , o r
 - d a m a g e t o t e r m i n a l e q u i p m e n t o r c o m m u n i c a t i o n s y s t e m p r o v i d e d b y a c u s t o m e r o r a u t h o r i z e d u s e r d u e t o t e s t i n g .

Note 1: A s o f O c t o b e r 1 , 2 0 1 3 , C o n t r a c t T e r m s g r e a t e r t h a n 3 6 m o n t h s a r e n o l o n g e r a v a i l a b l e f o r n e w o r r e n e w i n g s u b s c r i b e r s .

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 9 M e g a L i n k P l u s S e r v i c e

B 7 . 9 . 2 T e r m s a n d C o n d i t i o n s (C o n t d)

D . C o n n e c t i o n s (C o n t d)

2 . (C o n t d)

- 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.

3 . R e s p o n s i b i l i t y o f t h e C u s t o m e r

- 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.
- 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 B 7 . 1 .

E . P a y m e n t A r r a n g e m e n t s a n d C r e d i t A l l o w a n c e s

- 1. The minimum service period for MegaLink Plus service is one month.
- 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.
- 4. MegaLink Plus service is eligible for credit of nonrecurring charges under "Service Installation Guarantee" found in B 2 . 4 . 1 7 .
- 5. MegaLink Plus service is provided with a limited Satisfaction Guarantee Program covering the initial request for service with up to three local channels and associated interoffice channels. If a customer is not satisfied with the performance of the MegaLink Plus service(s) at any time up to sixty days after the initial installation, service will be removed without charge to the customer. If the customer is satisfied, nonrecurring charges will be billed at the end of the sixty days and monthly billing will begin¹. A sixty day waiver of recurring charges is included as a limited promotion of this service, also covering the initial request for service.

Note 1: Billing may begin earlier than the sixty days when the Company is notified by the customer that it is acceptable to do so.

B7.DIGITAL NETWORK SERVICE

B7.8 MegaLink Plus Service (T)

B7.9.3 Rates and Charges (Cont'd)

C. Service Reorganizations

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 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 reorganization is made, the total charge will never exceed a full nonrecurring charge for the month-to-month service. (T)

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. (T)

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

B 7 . D I G I T A L N E T W O R K S E R V I C E

B 7 . 1 0 M e g a L i n k L i g h t S e r v i c e (T)

B 7 . 1 0 . 1 G e n e r a l

- A . M e g a L i n k L i g h t s e r v i c e i s f u r n i s h e d f o r P r i v a t e L i n e I n t r a L A T A C o m m u n i c a t i o n s b y t h e C o m p a n y . (T)
- B . M e g a L i n k L i g h t s e r v i c e i s a s e r v i c e f o r t r a n s m i s s i o n o f d i g i t a l s i g n a l s o n l y a n d u s e s o n l y d i g i t a l t r a n s m i s s i o n f a c i l i t i e s . (T)
- C . M e g a L i n k L i g h t s e r v i c e i s a f i b e r - b a s e d h i g h c a p a c i t y n e t w o r k s e r v i c e p r o v i d i n g a 1 . 5 4 4 M b p s (D S 1) t r a n s p o r t l i n k . (T)
- D . M e g a L i n k L i g h t s e r v i c e p r o v i d e s f o r t h e s i m u l t a n e o u s t w o - w a y t r a n s m i s s i o n o f s e r i a l , B i p o l a r R e t u r n - t o - Z e r o (B P R Z) i s o c h r o n o u s d i g i t a l s i g n a l s , e x c e p t w h e r e i n t e n t i o n a l b i p o l a r v i o l a t i o n s a r e i n t r o d u c e d b y B i p o l a r w i t h 8 Z e r o S u b s t i t u t i o n (B 8 Z S) f o r m a t , a t D S 1 s p e e d s o f 1 . 5 4 4 M b p s , a n d i s a v a i l a b l e t o c u s t o m e r l o c a t i o n s w h e r e e x i s t i n g l o o p f a c i l i t i e s a r e f i b e r - b a s e d . T h e r a t e s s p e c i f i e d f o r M e g a L i n k L i g h t s e r v i c e i n B . 7 . 1 0 . 3 c o n t e m p l a t e t h e p r o v i s i o n o f a d i g i t a l q u a l i t y f a c i l i t y v i a e x i s t i n g e x c h a n g e f a c i l i t i e s c o m p a t i b l e w i t h t h i s s e r v i c e . W h e n M e g a L i n k L i g h t s e r v i c e i s r e q u e s t e d a t l o c a t i o n s w h e r e l o o p f a c i l i t i e s a r e n o t a v a i l a b l e t o s a t i s f y c u s t o m e r r e q u e s t s f o r M e g a L i n k L i g h t s e r v i c e , s p e c i a l c o n s t r u c t i o n c h a r g e s w i l l a p p l y a s s e t f o r t h i n S e c t i o n B 5 . (T)
- E . T h e p e r f o r m a n c e o b j e c t i v e s , t e c h n i c a l s p e c i f i c a t i o n s a n d s t a n d a r d n e t w o r k i n t e r f a c e s f o r M e g a L i n k L i g h t s e r v i c e a r e c o n t a i n e d i n T e c h n i c a l R e f e r e n c e P u b l i c a t i o n 7 3 5 2 5 . T h e p e r f o r m a n c e o b j e c t i v e s a p p l y e x c e p t w h e n a c u s t o m e r ' s e q u i p m e n t a n d / o r c a b l i n g i s d i s c o n n e c t e d a n d / o r i n o p e r a t i v e , w h e n c u s t o m e r p r o v i d e d p o w e r i s d i s c o n n e c t e d a n d / o r i n o p e r a t i v e , o r w h e n a M e g a L i n k L i g h t s e r v i c e i s e x t e n d e d b e y o n d i t s n o r m a l S e r v i n g W i r e C e n t e r . T R 7 3 5 2 5 i s a v a i l a b l e f r o m R e g i o n a l D o c u m e n t a t i o n S e r v i c e s , 6 0 0 N o r t h 1 9 t h S t r e e t , 2 0 t h F l o o r , B i m i n g h a m , A l a b a m a 3 5 2 0 3 . (T)
- F . U n l e s s s p e c i f i e d f o l l o w i n g , t h e t e r m s a n d c o n d i t i o n s f o r M e g a L i n k L i g h t s e r v i c e s p e c i f i e d h e r e i n a p p l y i n a d d i t i o n t o t h e t e r m s a n d c o n d i t i o n s s e t f o r t h i n S e c t i o n B 2 . (T)

B 7 . 1 0 . 2 T e r m s a n d C o n d i t i o n s (T)

A . D e s c r i p t i o n o f S e r v i c e

- 1 . M e g a L i n k L i g h t s e r v i c e u t i l i z e s a f i b e r - b a s e d l o c a l c h a n n e l (l o o p) t r a n s p o r t l i n k b e t w e e n a c u s t o m e r d e s i g n a t e d p r e m i s e s a n d i t s n o r m a l s e r v i n g w i r e c e n t e r . (T)
- 2 . M e g a L i n k L i g h t s e r v i c e i s f u r n i s h e d o n a l i n k (p a r t i a l c h a n n e l) b a s i s f o r c o n n e c t i o n a t t h e n o r m a l s e r v i n g w i r e c e n t e r t o C e n t r e x T y p e S e r v i c e s ¹ , M e g a L i n k c h a n n e l s e r v i c e , F l e x S e r v s e r v i c e , L i g h t G a t e s e r v i c e o r S M A R T R i n g s e r v i c e . C o n n e c t i v i t y b e t w e e n M e g a L i n k L i g h t s e r v i c e a n d t h e s e o t h e r s e r v i c e s m a y b e p r o v i d e d v i a a M e g a L i n k s e r v i c e I n t e r o f f i c e C h a n n e l b e t w e e n c e n t r a l o f f i c e s . E x c e p t f o r M e g a L i n k s e r v i c e a n d M e g a L i n k P l u s s e r v i c e , t h o s e s e r v i c e s c o n n e c t a b l e t o a M e g a L i n k s e r v i c e I n t e r o f f i c e C h a n n e l o r a M e g a L i n k L i g h t s e r v i c e L o c a l C h a n n e l m a y b e u t i l i z e d f o r c o m p l e t i o n o f a c u s t o m e r ' s p o i n t - t o - p o i n t c h a n n e l s e r v i c e . (T)
- 3 . A l l a p p r o p r i a t e r a t e s , c h a r g e s , t e r m s a n d c o n d i t i o n s s p e c i f i e d i n o t h e r g u i d e b o o k s e c t i o n s f o r c o n n e c t e d s e r v i c e s a r e i n a d d i t i o n t o t h o s e f o r M e g a L i n k L i g h t s e r v i c e s p e c i f i e d i n t h i s g u i d e b o o k . (T)
- 4 . P e r f o r m a n c e o b j e c t i v e s f o r M e g a L i n k L i g h t s e r v i c e b e t w e e n t h e c u s t o m e r ' s l o c a t i o n a n d t h e s e r v i n g w i r e c e n t e r a r e a s s p e c i f i e d i n T e c h n i c a l R e f e r e n c e P u b l i c a t i o n 7 3 5 2 5 . (T)
- 5 . P e r f o r m a n c e g u a r a n t e e s f o r M e g a L i n k L i g h t s e r v i c e a r e a s f o l l o w : (T)
 - a . S e r v i c e I n s t a l l a t i o n
T h e C o m p a n y w i l l m e e t n e g o t i a t e d d u e d a t e o r c r e d i t a n a m o u n t e q u a l t o t h e m o n t h - t o - m o n t h p a y m e n t p l a n n o n r e c u r r i n g c h a r g e a c c o r d i n g t o t h e S e r v i c e I n s t a l l a t i o n G u a r a n t e e p r o v i s i o n s d e s c r i b e d i n B 2 . 4 . 1 7 . (T)
 - b . S e r v i c e C o n t i n u i t y
S e r v i c e o u t a g e s i n t h e l o c a l l o o p f a c i l i t y w i l l r e s u l t i n a c r e d i t a s d e s c r i b e d i n p a r a g r a p h E . 3 , w h e r e t h e t r o u b l e i s i n t h e l o c a l l o o p f a c i l i t y o n p u b l i c r i g h t - o f - w a y . (T)
N o t e 1 : C o n n e c t i o n f r o m M e g a L i n k L i g h t s e r v i c e t o C e n t r e x T y p e S e r v i c e s m a y n o t b e a v a i l a b l e f r o m a l l s e r v i n g w i r e c e n t e r s . (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 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 paragraph 3.
3. MegaLink Light service is available under several payment plans: Month-to-Month, Plan A (24-48 Months¹), Plan B (49-72 Months²) and Plan C (73-96 Months²) 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 is applicable at the date of termination.
6. A customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B2.4.9.A.4.
7. 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.

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 paragraphs 2 and 3.
2. Responsibility of the Company
 - 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.

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)

(T)

B7.10.2 Terms and Conditions (cont'd)

(T)

D. Connections (Cont'd)

2. (Cont'd)

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

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.

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.

TN-15-0071

EFFECTIVE : December 1, 2015

B 7 D I G I T A L N E T W O R K S E R V I C E
B 7 1 0 M e g a L i n k L i g h t S e r v i c e**B 7 1 0 2 T e r m s a n d C o n d i t i o n s (C o n t d)****E . P a y m e n t A n g e m e n t s a n d C r e d i t A l l o w a n c e s (C o n t 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 paragraphs 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 (25%) 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 (50%) 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 (100%) 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.
4. MegaLink Light service is eligible for credit of nonrecurring charges under provisions of the "Service Installation Guarantee" found in B 2 4 1 7.

F . S e r v i c e C h a n g e s

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 B 2 4 .

G . I n d e p e n d e n t C o m p a n y T e r r i t o r i e s

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 this Guidebook. In those cases where a portion of MegaLink Light service is furnished by an Independent Company that does not concur in this Guidebook, the rates, terms and conditions of the Independent Company apply to the portion of MegaLink Light service it furnishes.

B 7 1 0 3 R a t e s a n d C h a r g e s**A . R e c u r r i n g R a t e s**

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.

B . N o n r e c u r r i n g C h a r g e s

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, communication centralized testing and coordination.
2. Service Change Charges are applicable for receiving and recording information and/or taking action in connection with a customer's Inside Move or Transfer of Service responsibility request, for processing the necessary data on an existing MegaLink 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).
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.
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 paragraph C 1.

B7.DIGITAL NETWORK SERVICE

B7.11 (DELETED)

(D)

Pages 54 through 106 are hereby deleted in their entirety and removed from this Guidebook

(N)

B8.CUSTOM NETWORK SERVICE

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B8.2	Custom Network Service Arrangement I (Obsoleted, See Section B108)	1
B8.3	Custom Network Service Arrangement II (Obsoleted, See Section B108)	1

(T)

B 8 . C U S T O M N E T W O R K S E R V I C E

B 8 . 1 G e n e r a l (O b s o l e t e d , S e e S e c t i o n B 1 0 8)

B 8 . 2 C u s t o m N e t w o r k S e r v i c e A r r a n g e m e n t I (O b s o l e t e d , S e e S e c t i o n B 1 0 8)

B 8 . 3 C u s t o m N e t w o r k S e r v i c e A r r a n g e m e n t I I (O b s o l e t e d , S e e S e c t i o n B 1 0 8)

(M)

Pages 2 through 9 are hereby deleted in their entirety and removed from this Guidebook

(N)

B 9 . OPTICAL NETWORK SERVICE

B 9 . 1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B 9 . 1 . 1 General (Cont'd)

C . (Obsoleted, See Section B 109) (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 B 109)	

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)

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. (TM)

(Obsoleted, See Section B 109)

B 9 . OPTICAL NETWORK SERVICE

B 9 . 1 BellSouth Wavelength Service (Basic Arrangement) (Cont'd)

B 9 . 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 B 109)
- 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 B 109)
- 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 B 5 .

(M)

(T)

Note 1: Effective December 1, 2012, BellSouth Wavelength Service Dedicated Ring Arrangements are obsolete, see Section B 109 .

B 100.OBSOLETE SERVICE OFFERINGS

B 100.1 General

- A. Service offerings listed herein are classified as obsolete. Conditions applicable to these offerings are set forth in paragraphs following.
1. Service offerings which have been made obsolete are classified according to the categories shown following.
 - Type A
Obsolete service offerings. Not available for customers as new service offerings except in cases where the obsolete service is left in or when transferred to a new location within the same exchange.
 - Type B
Not available for new installations, additions or on transfers of service to new location.
 - Type C
Unit no longer being manufactured; offered for new installations only as obtainable from existing stock.
 - Type D
Any other arrangement; the specific provisions in each case being stated at the beginning of the text for the obsolete service offering affected.
- B. Obsolete services are furnished subject to all the terms and conditions of the guidebook the same as would be applicable if the service offering were not obsolete. For convenience in use, a guidebook reference following the type of obsolescence is provided as an aid in referring the reader to a specific section of the guidebook having a bearing on the obsolete service offering. (T)
- C. Items of equipment which are continued in service for existing customers only may be retained by a customer as long as the equipment is repairable and the Company is able to obtain repair parts under normal supply conditions. When this equipment becomes unrepairable or repair parts are unobtainable, the service will be discontinued and the equipment removed by the Company.

 B103.OBSOLETE SERVICE OFFERINGS - CHANNELS

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B 103 .OBSOLETE SERVICE OFFERINGS -CHANNELS

B 103.1 General

B 103.1.1 Terms and Conditions (T)

A . Methods of Applying Rates

1. Additional point of termination of a Local Channel in Different Buildings on the Same Premises (T)
 (Obsoleted 01/01/87, Type B ; Guidebook Reference B 3 .). (T)
 - a. A charge, as provided in paragraph B 103.1.1 A .1 b for extending a Local Channel and terminating the channel at a station location in a different building on the same premises shall apply in lieu of an additional Local Channel Charge when conditions and facilities permit; otherwise the local channel charge applies. (T)
 - b. When additional points of termination of a single private line service are located in different buildings on the same premises, the charge for the channel shall be based on the airline distance between each pair of buildings. The rates are specified in B 103.2 and B 103.3. (T)
2. Additional Point of Termination of a Local Channel in the Same Building (T)
 (Obsoleted 01/01/87, Type B ; Guidebook Reference B 3 .). (T)
 A charge as provided in B 103.2 and B 103.3 for extending a Local Channel and terminating the channel at a station location in the same building applies in lieu of an additional local channel charge. (T)
3. Same Building Channel (T)
 (Obsoleted 01/01/87, Type D ; available solely at the discretion of the Company for new service, additions, or transfer of service where spare capacity is available in existing cable facilities. Guidebook Reference B 103.2.2) (T)
 When all station locations of a private line service are in the same building, the charge for same building channel specified in B 103.2 applies. (T)
4. Channels Between Buildings on the Same Premises (T)
 (Obsoleted 01/01/87, Type D ; available solely at the discretion of the Company for new service, additions, or transfer of service where spare capacity is available in existing cable facilities. Guidebook Reference B 103.2.2) (T)
 When station locations of a private line service are located in different buildings on the same premises the charge for the channel shall be based on the airline distance between each pair of buildings when conditions and facilities permit. The charges are as specified in B 103.2. (T)
 Where a supporting structure is necessary for the purpose of furnishing these channels on the subscriber's premises, such supporting structure will be furnished by the subscriber as provided for in "Construction on Private Property" in Section A 5 of the General Exchange Guidebook. (T)

B . Continuous Property Channels

1. New channels between points on the same customer's continuous property are provided at the sole discretion of the Company and only where spare capacity is available in existing facilities.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS**B103.1 General (Cont'd)****B103.1.1 Terms and Conditions (Cont'd)**

(T)

B. Continuous Property Channels (Cont'd)

2. A Continuous Property Channel consists of one pair (half duplex) or two pairs (full duplex) of metallic conductors with the physical and electrical transmission characteristics inherent to the existing facility. Equipment that is required to improve or alter the transmission characteristics of the channel is the responsibility of the customer and must be connected on the customer's side of the network interface. The customer may not access or alter a Continuous Property Channel in mid-span; nor install any equipment which results in harm to the facility or other channels within the cable or wire facility.
3. Subject to paragraph A, when twenty five or more half duplex channels are required between the same two points, the Company will consider a bulk provisioning arrangement whereby the subscriber can lease channels in multiples of twenty five channels. With bulk provisioning arrangements, no subsequent recurring or nonrecurring charges apply as channels are activated by the subscriber. Rates for bulk provisioning arrangements are determined on a Special Arrangement Basis, See Section B5.
4. Continuous Property Channels will be discontinued when associated cable facilities can no longer be economically maintained.

(T)

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.1 Series 1000 -Sub Voice Grade Service (Cont'd)

D. Rates and Charges

- 1. Intraexchange - Type 1150 and 1151
(Obsoleted 8/11/85, Type B)
- a. Half Duplex

	Monthly Rate	USOC
(1) Local Channel, each		
(a) Type 1150	\$31.49	29F++
(b) Type 1151	37.95	29F++
(2) Interoffice Channel including the Channel terminals for use with the local channels listed in paragraph (1), per channel		(T)
(a) 1st 1/4 mile	36.05	1L3A+
(b) Each additional 1/4 mile or fraction thereof	53	1L6B+
(3) Each additional point of termination of a local channel in a different building on the same premises		
(a) Type 1110, 1150, and 1151 - For each 1/4 mile or fraction thereof	4.25	1L3A+
(4) Each additional point of termination of a local channel in the same building		
(a) Type 1150	2.12	W 1W ++
(b) Type 1151	2.12	W 1W ++
(5) Two-point service, different building, same premises		
(a) Type 1150 - For each 1/4 mile or fraction thereof	4.25	1L3F+
(b) Type 1151 - For each 1/4 mile or fraction thereof	4.25	1L3A+
(6) Two-point service, same building		
(a) Type 1150	4.25	1L3AB
(b) Type 1151	5.32	1LYDB
(7) Each additional point of termination in same building for two-point service in paragraphs B103.2.1.E.1.a.(5) and (6).		(M)
(a) Type 1150	2.12	1L3AA (M)
(b) Type 1151	2.12	1LYDB (M)

Note 1: The rates and charges in this guidebook for channels between buildings on the same premises are applicable only for those facilities in place as of January 6, 1984. On premises cable placed after January 6, 1984, will be provided based on cost. Extensions of the interface within a building and maintenance will be based on time and materials charges in Section A4 of the General Exchange Guidebook.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.1 Series 1000 -Sub Voice Grade Service (Cont'd)

D. Rates and Charges (Cont'd)

2. Intraexchange - Type 1204 and 1205 (Same Continuous Property Different and Same Building Channels)

	Installation Charge	Monthly Rate	USOC	
a. Each additional point of termination of a local channel (Obsoleted 01/01/87, Type B; Guidebook Reference Section B3.)				(M)
(1) In a different building on the same premises				
(a) Per 1/10 mile or fraction thereof	\$-	\$1.24	1LM ++	
(b) Minimum charge	-	4.25	NA	
b. Each additional point of termination of a local channel (Obsoleted 07/02/90, Type B; Guidebook Reference Section B3.)				(T)
(1) In the same building				
(a) Type 1101	-	1.13	267++	
(b) Type 1102	-	1.13	267++	
c. Two point service different buildings (Obsoleted 01/01/87, Type B. See B103.2.2 for leasing of Continuous Property Channels where spare capacity is available in existing cable facilities.)				
(1) Same premises				
(a) Each 1/10 mile or fraction thereof	16.45	1.13	1LM ++	
(b) Minimum charge	-	4.25	NA	

Note 1: The Installation Charge is per channel.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.1 Series 1000 -Sub Voice Grade Service (Cont'd)

D. Rates and Charges (Cont'd)

2. (Cont'd)

	Installation Charge	M onthly Rate	USO C	
d. Two point service (Obsoleted 01/01/87, Type B. See B103.2.2 for leasing of Continuous Property Channels where spare capacity is available in existing cable facilities.)				
(1) Same building				
(a) Type 1204	\$16.45	\$1.13	1LM ++	
(b) Type 1205	16.45	1.13	1L3++	
e. Each additional point of termination (Obsoleted 01/01/87, Type B; Guidebook Reference Section B3.)				(T)
(1) In the same building for two point service in paragraph B103.2.1E.2.c.ord.				(T)
(a) Type 1204	-	1.13	1LM ++	
(b) Type 1205	-	1.13	1L3++	
f. Two Series Legs Service (Obsoleted 07/02/90, Type B; Guidebook Reference Section B3.)				(T)
(1) Installation charge applicable only when provided subsequent to the installation of the initial intraexchange channel.				
(a) Charge	14.55	4.03	2LG	

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.1 Series 1000 -Sub Voice Grade Service (Cont'd)

D. Rates and Charges (Cont'd)

3. Local Area Data Channels

(Obsoleted 07/02/90, Type B, Guidebook Reference Section B3.)

In consideration of the decreasing supply of metallic facilities required to provide Local Area Data Channels, the Company will convert, at the customer's request, service requiring such facilities to a Voice Grade Service or Synchronous service and waive the nonrecurring charges associated with the change. This applies to customers where metallic facilities are being replaced with non-metallic facilities, or a customer may elect to make this change at any time prior to a modernization program that would eliminate the availability of metallic facilities. Customers will be notified 90 days prior to the elimination of metallic facilities.

Local Area Data Channels are intended for baseband transmission of digital data signals between two points on the same premises or between two different premises within the same serving wire center area, not to exceed six (6) cable route miles.

- a. Provision of these channels is subject to the availability of facilities and does not envision construction of facilities expressly for this service.
- b. Transmission specifications for local area data channels are dependent upon the route length of the facilities utilized to provide the service as follows:

Maximum End-To-End Facility Length In Route Mile	Maximum Insertion Loss At 1000 Hz, in dB ¹
1	9.0
2	13.5
3	17.0
4	20.0
5	23.0
6	25.5

- c. Type 1180 is provided as a 2-wire interface with effective 2-wire facilities.
- d. Type 1182 is provided as a 4-wire interface with effective 4-wire facilities.

	Installation Charge	Monthly Rate	USOC
e. Rates - Intraexchange			
(1) Local Channel, each			
(a) Type 1180	\$39.12	\$15.57	1L6GJ
(b) Type 1182	39.12	31.13	1L6GJ

- f. Rates - Type 1180 and 1182 (Same Continuous Property Different and Same Building Channels)

(Obsoleted 01/01/87, Type B, Guidebook Reference Section B3.)

(1) Two-point service, different buildings same premises			
(a) Each 1/4 mile or fraction thereof ²	16.45	1.24	1L6GQ
(b) Minimum charge	-	4.25	NA
(2) Two-point service, same building			
(a) Charge	16.45	1.13	1L6GB

Note 1: Insertion loss is referenced to 135 ohm resistive terminations at each end.

Note 2: The installation charge is per channel.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

M 1)

B103.2.2 Series 2100 - Voice Grade Service

A. Reserved For Future Use

B. Rates and Charges

1. Intraexchange - Same Continuous Property Different and Same Building Channels

	Monthly Rate	USOC
a. Each additional point of termination of a local channel in a different building on the same premises (Obsoleted 01/01/87, Type B ; Guidebook Reference Section B3.)		
(1) Per 1/4 mile or fraction thereof		
(a) Half Duplex	\$3.87	1LPJG
(b) Duplex	7.74	1L6+G
A Minimum Charge of 2/4 miles applies		
b. Each additional point of termination of a local channel (Obsoleted 01/01/87, Type B ; Guidebook Reference Section B3.)		
(1) In the same building		
(a) Half Duplex	1.74	M 8X++
(b) Full Duplex	3.42	M UX++

(T)

(T)

Installation
Charge

c. Two-point service different buildings same premises (Obsoleted 01/01/87, Type D ; available solely at the discretion of the Company for new service, additions, or transfers of service where spare capacity is available in existing cable facilities.)			
(1) Per 1/4 mile or fraction thereof			
A Minimum Charge of 2/4 miles applies			
(a) Half Duplex ¹	\$42.48	3.87	1LPJY
(b) Duplex ¹	42.48	7.74	1LM EY

M 2)

Note 1: The installation charge is per channel.

M 1 - Material previously appearing on this page now appears on page(s) 4 of this section.

M 2 - Material appearing on this page previously appeared on page(s) 4.2 of this section.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.2 Series 2100 - Voice Grade Service (Cont'd)

B. Rates and Charges (Cont'd)

1. Intraexchange - Same Continuous Property Different and Same Building Channels (Cont'd)

	Installation Charge	Monthly Rate	USOC	
d. Two-point service (Obsoleted 01/01/87, Type D ; available solely at the discretion of the Company for new service, additions, or transfer of service where spare capacity is available in existing cable facilities.)				
(1) Same building				
(a) Half Duplex	\$42.48	\$ 5.39		1LPJB
(b) Duplex	42.48	10.78		1L6+B
e. Each additional point of termination (Obsoleted 01/01/87, Type B, Guidebook Reference Section B3.)				
(1) In the same building for two-point service in paragraph B103.2.2.B.1.c.ord.				
(a) Half Duplex		1.74		1LPJA
(b) Duplex		3.42		1L6+A

B103.2.3 Series 6100 - Channels For Audio And Wired Music Multipoint Distribution

A. Reserved For Future Use

B. Audio Channels

1. Types and Description

a. Types

(Obsoleted 07/02/90, Type B)

(1) Type 6163 -A two wire service engineered for a 1000 Hertz maximum pre-equalized loss of 12 dB and equalized to + or -1 dB of the 1000 Hertz loss from approximately 50 to 15000 Hertz.

2. Rates and Charges

Two-Point Intraexchange Audio, Type 6163

a. Channels Not Connected to a Bridging Amplifier

		Monthly Rate	USOC
(1) Local Channels, each			
(a) Type 6163		\$ 66.04	6KA++
(2) Interoffice channels including the channel terminals, per 1/4 mile or fraction thereof, per channel, first 1/4 mile			
(a) Type 6163		151.80	1LG++
(3) Interoffice channels including the channel terminals, each additional 1/4 mile			
(a) Type 6163		3.64	1LG++

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS**B103.3 Description Of Service And Rates - Interexchange****B103.3.1 Series 1000 -Sub Voice Grade Service**

- A. The following types of Sub Voice Grade Services, are designed for transmission of low speed data at speeds up to 75 and up to 150 baud within certain technical specifications. These channels are furnished for half duplex and duplex operation for use with two-point or multipoint Private Line Services. The service is not suitable for transmission of alternating tones. Effective 8/11/85, Obsolete Type B.
- B. The types of local channels and the transmission characteristics offered for termination at the premises for termination in customer-provided terminal equipment and systems are as follows.

1. Type 1050

A four wire interface engineered for binary signals at rates up to 75 baud, 20 or 62.5 milliamperes dc neutral signals. The terminal equipment with a transmitted output of not more than 8 percent (8%) telegraph distortion local and capable of processing received data signals with up to 35 percent (35%) telegraph distortion. (T)

The Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The Company will supply the line voltage and provide for the current adjustment. The maximum open circuit voltage across the send data leads at the interface will not exceed 270 volts.

2. Type 1051

EIA Standard RS232B type interface engineered for binary signals at rates up to 150 baud and the terminal equipment with a transmitted output of not more than 5 percent (5%) telegraph distortion and capable of processing received data signals with up to 40 percent (40%) telegraph distortion. (T)

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Cont'd)

	Monthly Rate	USOC
B103.3.1 Series 1000 - Sub Voice Grade Service (Cont'd)		
D. Rates and Charges (Cont'd)		
2. Interexchange - Type 1205 (Additional Points of Termination) (Cont'd)		
b. Additional point of termination		
(1) In the same building		
(a) Each	\$ 3.95	2671J
B103.3.2 Series 2000 - Voice Grade Service		
A. Reserved For Future Use		
B. Rates and Charges		
1. Interexchange - Additional Points of Termination (Obsoleted 01/01/87, Type B ; Guidebook Reference Section B3.).		
a. Each additional point of termination of a local channel		
(1) In a different building on the same premises		
(a) Charge	13.06	1LM +G
b. Each additional point of termination of a local channel		
(1) In the same building		
(a) Charge	13.06	2SE++
B103.3.3 Reserved For Future Use		
B103.3.4 Reserved For Future Use		
B103.3.5 Reserved For Future Use		
B103.3.6 Reserved For Future Use		
B103.3.7 Reserved For Future Use		

(T)

B103.OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Cont'd)

B103.3.8 Series 7000 Channels¹

A. General

1. Special Terms and Conditions Regarding Provision of Service

- a. Series 7001, 7003 and 7004 channels presently in service are to continue under the terms and conditions of the service publication existing immediately prior to October 1, 1972, until the development of a new guidebook offering becomes effective, at which time the existing service would be converted to the new guidebook offering. (T)
- b. Series 7001, 7003 and 7004 channels are not offered for new installations or for additions to the existing system from October 1, 1972, until a new guidebook offering becomes effective. (T)
- c. New Systems or additions to the existing System will be provided in accordance with B5.1.H until a new guidebook offering becomes effective, at which time said systems or additions to existing systems will be converted to the new guidebook offering. (T)

B. Types and Descriptions

The channels for which the terms, conditions and rates in this Section apply are those furnished for the transmission in one direction only of video signals only and those furnished for television transmission of both video and audio signals. The channels are suitable for the transmission of the following monochrome signals and, where this Guidebook specifies that such channels may be used for color transmission, are suitable for transmission of the following color signals. When channels are used for color transmission, additional changes to the extent specified herein, apply. (T)

525 Line Monochrome

For monochrome broadcasting or viewing involving 525 scanning lines per frame, interlaced two to one in successive fields, with a frame frequency of 30, a field frequency of 60, and a line frequency of 15,750 per second.

525 Line Color

For color broadcasting or viewing involving 525 scanning lines per frame, interlaced two to one in successive fields, with a frame frequency of 30, a field frequency of 60, and a line frequency of 15,750 per second and utilizing a subcarrier of a nominal 3.58 mc frequency.

1. Channel Systems

Type 7003

Local Distribution System television channels for use in educational television systems for the transmission of monochrome and color video signals and associated audio material of a single program at one time. These channels are furnished between premises of the customer, authorized users, and any combination thereof in systems of 1 to 6 channels as set forth in paragraph B103.3.8.C.1.b, and are furnished only for transmission of educational television program material by public or private schools, non-commercial educational television broadcast stations and other non-commercial educational organizations. Special operation and supervision are not provided. Systems are furnished on a 24 hour per day, 7 days per week basis for a minimum period of one month. (T)

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Cont'd)

B103.3.8 Series 7000 Channels² (Cont'd)

B. Types and Descriptions (Cont'd)

1. Channel Systems (Cont'd)

Type 7004

Interexchange System television channel for use in educational television systems for the transmission of monochrome video signals and associated audio material of a single program at one time. These channels are furnished between premises of the customer, authorized users and any combination thereof in systems of 1 to 5 channels as set forth in paragraph B103.3.8.C.1.c, and are furnished only for transmission of educational television program material by public or private schools, non-commercial educational television broadcast stations, other non-commercial educational organizations and for transmission of television program material by other users. Not more than two channels may be used for the transmission of color signals. Special supervision and operation are not furnished. Systems are furnished on a 24 hour per day, 7 days per week basis, for a minimum period of one month. (T)

C. Terms and Conditions (T)

In addition to the terms and conditions set forth in Section B2, the following terms and conditions apply to Series 7000 Channels. (T)

1. Provision of Facilities

a. Type 7001

Type 7001. Intraexchange Channels

All station equipment and station wiring shall be provided by the customer. Video channel wiring on the property owned or leased by the customer and upon which the station is located may be included as station wiring.

b. Type 7003

Company facilities for a local distribution system are furnished within an exchange area from a signal source to its receiving locations in one direction of transmission only, and may include facilities to provide service to a receiving location outside the exchange area where the airline distance does not exceed 25 miles from its signal source, and consist of,

1 to 6 channels, between premises and between buildings on the same premises, terminating at receiving locations.

Channel input equipment for 1 to 6 channels for use at a signal source to convert the customer's signals from baseband frequencies to frequencies of approximately 25 to 88 megacycles.

Channel output equipment at receiving locations, to deliver signals at standard VHF broadcast frequencies.

Outlet connections for television viewers, with distribution amplifier equipment where required, and associated building wiring. These connections may be furnished by the customer provided the customer furnishes all such connections required within a building.

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A. (T)

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Cont'd)

B103.3.8 Series 7000 Channels² (Cont'd)

C. Terms and Conditions (Cont'd)

1. Provision of Facilities (Cont'd)

b. Type 7003 (Cont'd)

Station facilities and wiring, other than items specified in paragraph B103.3.8.E.2 will be furnished by the customer. The facilities furnished by the customer will include, where required,

- (1) Video cameras, microphones, consoles, monitors and like studio equipment,
- (2) Television viewers
- (3) Antennas to pick up broadcast television material, and
- (4) Power and space and supporting structures (including on premises conduit) for Company equipment located on the premises of a customer or authorized users, including those for terminals of interexchange systems.

c. Type 7004

An interexchange system consists of 1 to 5 channels furnished between a signal source in one exchange area and a receiving location in another exchange area where the distance between the signal source and its receiving location exceeds 25 airline miles. Channels are furnished in either direction of transmission but individual channels may be used for transmission in one direction only. Channel inputs and outputs are at baseband frequencies.

Station facilities and wiring, other than items specified in paragraph B103.3.8.E.3 will be furnished by the customer. The facilities furnished by the customer will include, where required,

- (1) Video camera, microphones, consoles, monitors and like studio equipment,
- (2) Television viewers,
- (3) Antennas to pick up broadcast television material and
- (4) Power and space, and supporting structures (including on premises conduit) for Company equipment located on the premises of the customer or authorized user, including those for terminals of interexchange systems.

2. Connections With Company Facilities and Facilities of Others

a. Except as provided in paragraph B103.3.8.C.2.b, facilities furnished in connection with other services may neither be connected with television transmission channels nor be connected directly or indirectly with video broadcasting equipment at television stations.

b. Type 7003 and Type 7004 Channels

The customer may connect Type 7003 and Type 7004 channels with the following classes of channels provided the connections are made in accordance with paragraph B103.3.8.C.2.b.(1) through (3),

video, audio and television channels furnished by the Company where such channels transmit into educational television systems.

television channels operating on broadcast frequencies.

local television distribution systems provided by the customer.

interexchange television systems provided by the customer.

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Cont'd)

B103.3.8 Series 7000 Channels² (Cont'd)

C. Terms and Conditions (Cont'd)

2. Connections With Company Facilities and Facilities of Others (Cont'd)

b. Type 7003 and Type 7004 Channels (Cont'd)

- (1) Connections are made at the customer's premises.
- (2) Connections are made at a location where program material is used for television viewing, for transmission over a local distribution system, or for transmission by a broadcast station and where the customer has in attendance adequate personnel and equipment for testing with the Company.
- (3) Connections do not result in any transmission from Type 7003 or Type 7004 channels or via any other channels into Series 6000, Type 7001 or Type 7002 interexchange channels furnished under this Guidebook or under F.C.C. Tariff 260.

3. Mileage Measurements

a. Type 7001

Type 7001 Intraexchange Channels

The local channel mileage is the airline distance (up to 8 miles fractional quarter miles being considered as full quarter miles and beyond 8 miles fractional miles being considered as full miles) measured directly between two stations.

b. Type 7003 Channels

Rate mileage is the airline distance between a signal source and its receiving locations measured directly, or via other receiving locations, for two-point or multi-point channels.

The sequence of measurement for channels involving two or more receiving locations is that sequence which will produce the shortest combination of airline mileages, except that where a customer requests that receiving locations be connected in a specific sequence, the measurement will be made in that sequence.

Where a system includes more than one signal source transmitting to common receiving locations, the measurement is made from one of the signal sources to the receiving locations (for this purpose the additional signal sources are considered as receiving locations). Where different signal sources transmit to different receiving locations, a separate series of measurements is made for each signal source.

Each two-point section of a multi-point channel is considered a separate unit for which mileage is independently measured.

For rate application the channel having the highest total rate mileage is considered the first channel. Succeeding numbered channels will be determined consecutively in order of decreasing rate mileage.

c. Type 7004 Channels

Rate mileage is the airline mileage measured directly between a signal source in one exchange area and its receiving location in another exchange area, except that where the airline mileage between the rate centers of the locations is 40 or more airline miles, rate mileage is measured between the rate centers of the locations.

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS**B103.3 Description Of Service And Rates - Interexchange (Contd)****B103.3.8 Series 7000 Channels² (Contd)****D. Intrastate-Interstate System Utilizing Type 7003 or Type 7004 Channels**

Where one or more, but not all of the channels in a system, are used to transmit intrastate traffic, all channels in the system are numbered for rate application, the channel having the highest total rate mileage is considered the first channel and succeeding numbered channels will be determined consecutively in order of decreasing rate mileages, and charges for the intrastate channels and associated equipment and arrangements used for the intrastate traffic are determined, in accordance with paragraphs B103.3.8.E.2 and 3.

(T)

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

(T)

B103 . OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Service And Rates - Interexchange (Contd)

B103.3.8 Series 7000 Channels² (Contd)

E. Rates and Charges

	Monthly Rate	USOC
1. (DELETED)		
2. Type 7003		
a. Local Distribution System - Channels		
(1) Between buildings on the same premises, per 1/10 airline mile or fraction thereof		
(a) (DELETED)		
(b) (DELETED)		
(c) (DELETED)		
(d) (DELETED)		
(e) Minimum charge for the total number of channels between a signal source and a receiving location, per 1/10 airline mile or fraction thereof	\$17.83	NA
(2) Between separate premises, per 1/4 airline mile or fraction thereof		
(a) (DELETED)		
(b) (DELETED)		
(c) (DELETED)		
(d) (DELETED)		
(e) Minimum charge for the total number of channels between a signal source and a receiving location, per 1/4 airline, per 1/4 airline mile or fraction thereof	45.54	NA

The maximum mileage charge for any two-point section of a local distribution system will be equivalent to the charge for 25 miles at the interexchange system rate for the appropriate number of channels.

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

(r)

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.4 Non-Wire Center

(Obsoleted - Type B : Not available for new installations, additions or on transfers of service to new locations.)

A. Served Direct

1. Not routed via the central office, limited to one airline mile or less

		Monthly Rate	Nonrecurring Charge		USOC
			First	Additional	
(a)	Series 1000	\$ 11.00	\$ 440.00	\$ 187.00	SDD 1X
(b)	Series 2000	20.00	528.00	224.40	SDD 2X
(c)	Series 6000	19.25	440.00	187.00	SDD 6X

B103.5 Reserved For Future Use

B103.6 Series 10000 Channels (Entrance Facilities)

(Obsoleted 07/02/90, Type D ; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available.)

A. Types and Descriptions

Series 10000 channels are furnished to the customer by the Company for the purpose of extending customer-provided communications systems to a premises of the customer or authorized user, or to Centrex Control or ESSX -1 Switching Equipment serving the premises of the customer or authorized user for use at such premises. Channels are furnished for half-duplex or duplex operation on a two-point basis for service 7 days per week, 24 hours per day, for a minimum period of one month.

1. Type 10001 - Approximate bandwidth of 300 - 3000 cycles per second. Furnished, to the extent permitted by the normal transmission characteristics of this grade of channel, for types of transmission similar to those set forth for Series 1000 and 2000 channels.

B. Terms and Conditions

In addition to the terms and conditions set forth in Section B2, the following terms and conditions apply to Series 10000 channels:

1. Type 10001 -The customer's or authorized user's premises must be located 25 airline miles or less from the point at which the customer-provided communications channel is connected to the Company entrance facility.

C. Rates -Monthly Service

1. Type 10001

(Rates for entrance facilities will be based on the costs incurred on a case-by-case basis.)

B103.7 Reserved For Future Use

B103.8 Reserved For Future Use

B103.9 Reserved For Future Use

(r)

(r)

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS)

(Obsoleted 07/02/90, Type D; customers may continue to activate channels within their existing complement of cable pairs. Customers may also activate individual channels for Alarm Company Metallic Service as described herein.) (T)

B103.10.1 General

- A. Customer Operating Center Service (COCS) is designed for use by customers who utilize large quantities of local channels of the types specified in paragraph B103.10.1.K.2 between their location and the serving wire center. (T)
Alarm Company Metallic Service is offered between the Serving Wire Center and the alarm company's central answering bureau at the rates found in paragraph K.3. This applies to alarm companies who do not subscribe to a complement of cable pairs under COCS or who have filled their existing complement and where metallic facilities are available. Cable complement charges are not applicable to Alarm Company Metallic Service. (T)
- B. Customer Operating Center Service is provided to customers at their option. The rates for COCS service are billed directly by the Company to the customer of COCS service.
- C. For the purposes of this Guidebook, a Customer Operating Center is defined as a customer location: (T)
1. owned or leased by the customer over which the customer has control and provides security.
 2. from which the customer furnishes and administers services to multiple clients in a geographical area. The term "Client" denotes a subscriber to the services offered by the owner or leasee of a Customer Operating Center.
 3. at which a system, or a group of systems, owned or leased by the customer whose operation is to receive signals and messages which are recorded, maintained, and supervised by the customer.
 4. at which the customer has regularly scheduled observers and operators and/or equipment in attendance at all times whose duties include, upon receipt of a signal or message from a client, to take such action as shall be required under the terms established by the customer for their guidance. (T)
- D. COCS service is provided by using a complement of cable pairs in the size and length specified in paragraph B103.10.1.K.1. (T)
- E. A monthly rate applies for each complement of cable pairs of a specific size and length.
- F. The customer will provide in advance a forecast of the complement of cable pairs he wishes to have planned to his use and agrees to payment of the charges for the complement of cable pairs whose airline distance is greater than 1/4 mile whether circuits are activated or not.
- G. The monthly rate for each complement of cable pairs is based on the airline distance between the customer's operating center and its normal serving wire center. The maximum distance for COCS service is one and a quarter mile.
- H. In addition to the monthly rate for the complement of cable pairs, a monthly rate applies for each local channel activated within the dedicated complement of cable pairs.
- I. Basic Termination Liability
A basic termination liability plus special construction charges will apply for any facility placed new specifically for a customer for which no reuse is foreseen if the initial use is discontinued.
The termination liability period is 5 years.

B103.OBSOLETE SERVICE OFFERINGS -CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Contd)

B103.10.1 General (Contd)

K. Monthly Rates (Contd)

2. Per Local Channel Activated

a. Local channel provided within a cable whose airline distance is 1/4, 1/2, 3/4, 4/4 or 5/4 mile

	Monthly Rate	USOC
(1) Type Of Local Channel Activated - 1204		
(a) 1/4 mile	\$ 1.98	1LZ++
(b) 1/2 mile	1.98	1LZ++
(c) 3/4 mile	1.98	1LZ++
(d) 4/4 mile	1.98	1LZ++
(e) 5/4 mile	1.98	1LZ++
(2) Type Of Local Channel Activated - 1205		
(a) 1/4 mile	1.98	1LZ++
(b) 1/2 mile	1.98	1LZ++
(c) 3/4 mile	1.98	1LZ++
(d) 4/4 mile	1.98	1LZ++
(e) 5/4 mile	1.98	1LZ++
(3) Type Of Local Channel Activated - 2230		
(a) 1/4 mile	13.21	1LZ++
(b) 1/2 mile	13.21	1LZ++
(c) 3/4 mile	13.21	1LZ++
(d) 4/4 mile	13.21	1LZ++
(e) 5/4 mile	13.21	1LZ++
(4) Type of Local Channel Activated - 2230		
(a) 1/4 mile	13.21	1LZ++
(b) 1/2 mile	13.21	1LZ++
(c) 3/4 mile	13.21	1LZ++
(d) 4/4 mile	13.21	1LZ++
(e) 5/4 mile	13.21	1LZ++
(5) Type of Local Channel Activated - 2106 ¹		
(6) Type Of Local Channel Activated - 2107 ¹		

Note 1: See General Exchange Guidebook Section A 8 for rates for types 2106 and 2107.

(r)

B 104 .OBSOLETE SERVICE OFFERING -EQUIPMENT

B 104 .1 Voice Communicating Equipment

B 104 .1 .1 Signaling

A . Associated With Intraexchange Channels

(Obsoleted 07/02/90, Type B ; Guidebook Reference Section B 4 .)

1. Signaling arrangements are provided at the customer's option to arrange local channels for suitable signaling at the following rates and charges. The rates and charges apply per local channel equipped.

a. For Use With Local Channel Types

(1) Signaling Options

	Installation Charge	Monthly Rate	USOC D 1 Z
(a) DC Control Circuit One-W ay Signaling, Channel Type - 2230	\$5.35	\$2.07	

(r)

B 104 . OBSOLETE SERVICE OFFERING - EQUIPMENT

B 104 2 Data Communicating Equipment

B 104 2.1 Telemetry/Alarm Bridging Service (TABS)

A . Reserved For Future Use

B . Terms and Conditions

1. There is no limit on the number of remote stations that may be connected to a master station when using Passive Bridging. Customers may choose to tandem passive bridges using customer provided regenerators and interconnection station channels. However, the Company considers each passive bridge and its associated channels as an independent multi-point system. The Company assures transmission only within each passive bridge system.

2. Access Lines

a. Access over two-wire Master Station for Passive Bridging is provided through a Type 2261 channel.

b. Access over Interconnection and Remote Station Channels is provided through a Type 2261 channel, and, through the appropriate channel connection as described in paragraph B 3 4 4 A 1 e. Interconnection of remote stations located outside of the serving wire center where the bridge to which they are connected is located will require interoffice channels as described in B 3 4 3.

C . Service Description

1. TABS is provided in the following arrangement:

a. Passive Bridging

A bridging arrangement providing for a two-wire (master station or interconnection station channel) common port and multiple two-wire (remote station) ports intended for data or tone signaling arrangements. Two-way (polling) communication between the master station and each remote station is intended.

D . Rates And Charges

1. Passive Bridging

(Obsoleted 07/02/90, Type B)

a. Common Equipment

(1) Per Central Office

	Nonrecurring Charge	Monthly Rate	USOC XW 6
(a) Each Bridge, capacity of 10 two-wire connections	\$66.70	\$16.68	

(r)

(r)

B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

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B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

B107.1 MegaLink Service (T)

B107.1.1 General

(DELETED) (D)

Except as specified in B107.1.2 and 3, terms and conditions located in B7.1 are applicable. (T)

B107.1.2 Terms and Conditions (T)

A. Application of Rates

(Obsoleted 07/02/90, Type D) Not available for new installations or moves of service to a different premises. Customers may rearrange existing service at the same premises.

1. For orders completed prior to July 2, 1990, Digital Local Channels furnished between a Serving Wire Center and the customer's premises will be charged at rates based on the first half mile and each additional half mile for the distance measured between the Serving Wire Center and the customer's premises.

B107.1.3 Rates And Charges

A. A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises.

	Nonrecurring Charge	Month to Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
1. Digital Local Channel, each						
(a) First 1/2 mile	\$105.00	\$61.00	\$65.00	\$65.00	\$65.00	1LD PZ
(b) Each additional 1/2 mile, or fraction thereof	-	45.00	41.00	39.00	37.00	1LD PA

B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

B107.2 Reserved for Future Use

B107.3 Reserved for Future Use

B107.4 LightGate Service (T)

B107.4.1 Reserved for Future Use

B107.4.2 Reserved for Future Use

B107.4.3 Digital Architecture and Definitions

A. Reserved for Future Use

B. Definitions

LIGHTGATE 2 SERVICE (T)

(Obsoleted 11/08/01, Type D -Not available for new customer installations after the effective date of 11/08/2001.) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under section B 7 4 5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in section B 7 4 5 as long as the service is at the same location (s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement. In addition, nonrecurring charges will be waived for customers converting their existing service to rates in section B 7 4 5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated in section B 7 4 5. Service to existing customers will terminate on 12/31/04. The Company will provide at least 60-days notice to existing customers prior to the termination of this service.

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

B107.4.4 Rates and Charges¹

(Obsoleted 11/08/01, Type D -Not available for new customer installations after the effective date of 11/08/2001.) Not available for new installations or moves of service to a different premises. New channel activations must be ordered under section B 7 4 5. No termination liability charge will be applicable for an existing customer under a CSPP arrangement who converts to rates in section B 7 4 5 as long as the service is at the same location (s) for a service period equal to or greater than the time remaining on the existing CSPP arrangement. In addition, nonrecurring charges will be waived for customers converting their existing service to rates in section B 7 4 5. Any new features added at the time of conversion will incur standard nonrecurring charges as stated in section B 7 4 5. Service to existing customers will terminate on 12/31/04. The Company will provide at least 60-days notice to existing customers prior to the termination of this service. (T)

A. Basic LightGate Service (T)

1. LightGate 1 service System (One DS3 Capacity) (T)

a. Includes photonic communication equipment and first one-half air mile of local channel fiber optic facilities. Additional specific interface equipment is required in the central office (C.O.) and customer premises, as contained in paragraphs (2) and (3). Mileage charges are as contained in paragraph B. Channelization for individual analog and digital services is contained in paragraphs C and D. (T)

(1) LightGate 1 service Basic System² (T)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC HFQ 4+
(a) Per System	\$3,000.00	\$2,760.00	\$2,400.00	\$2,280.00	\$2,160.00	

Note 1: Contract lengths are now flexible to allow customer choice of payment period per B 2 4 9.

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

B107.OBSOLETE SERVICE OFFERINGS -DIGITAL NETWORK SERVICE

B107.4 LightGate Service (Cont'd)

(T)

B107.4.4 Rates and Charges¹ (Cont'd)

A. Basic LightGate Service (Cont'd)

(T)

1. LightGate 1 service System (One DS3 Capacity) (Cont'd)

(T)

a. (Cont'd)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(2) Electrical Interface Equipment - Central Office ²						
(a) Per DS3 ³	\$550.00	\$86.00	\$66.00	\$66.00	\$66.00	FQA4X
(b) Per DS1 ⁴	150.00	14.00	10.00	10.00	10.00	FQA1X
(c) DS1 Automatic protection switching ⁵	50.00	36.00	32.00	32.00	32.00	VUS
(3) Electrical Interface Equipment - Customer Premises ²						
(a) Per DS3 ³	550.00	98.00	75.00	75.00	75.00	FQB4X
(b) Per DS1 ⁴	250.00	17.00	13.00	13.00	13.00	FQB1X
(c) DS1 Automatic protection switching ⁵	50.00	40.00	36.00	36.00	36.00	VUSDS

2. LightGate 2 service System (Three DS3 Capacity)

(T)

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

(T)

(1) LightGate 2 service Basic System²

(T)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) Per System	\$3,000.00	\$3,570.00	\$3,100.00	\$2,945.00	\$2,790.00	HFQ5+
(b) Per DS3 Electrical Interface ⁶	1,100.00	100.00	80.00	80.00	80.00	FQD4X
(c) Per DS3 Automatic protection switching ⁶	200.00	80.00	65.00	65.00	65.00	VUSAC

Note 1: Contract lengths are now flexible to allow customer choice of payment period per B249.

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

Note 3: DS3 capability is provided where the customer does not desire channelization to DS1 or DS0 channel levels. This interface should not be provided where DS1 and DS0 level signals are provided at that system's termination point. However, if a DS3 signal is extended from the LightGate 1 service System serving central office to a remote central office, a DS3/DS1 multiplexer may be ordered at the remote CO . by a customer to derive DS1 channel levels at rates contained in paragraph B107.4.4.A.2.

(T)

Note 4: DS1 capability is only available in groups of 4 DS1s. When existing DS1 capacity is exhausted, the customer must request additional DS1 service in groups of 4 DS1 channels. Each DS1 can transport 24 DS0 channels.

Note 5: This feature may not be available with lines utilizing the Clear Channel Capability line code (B8ZS).

Note 6: This includes both central office and customer premises equipment. Each LightGate 2 service System can support a maximum of three DS3 signals.

(T)

B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

B107.4 LightGate Service (Cont'd)

(r)

B107.4.4 Rates and Charges¹ (Cont'd)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
A. Basic LightGate Service (Cont'd)						
2. LightGate 2 service System (Three DS3 Capacity) (Cont'd)						
a. (Cont'd)						
(2) DS3/DS1 Multiplexers - Central Office ²						
(a) Per DS3/DS1 Multiplexer ^{3,4}	\$500.00	\$640.00	\$540.00	\$520.00	\$500.00	VUM 35
(b) Per DS1 Electrical Interface ⁵	150.00	14.00	10.00	10.00	10.00	FQA1X
(c) DS1 Automatic protection switching ⁶ (one per DS3/DS1 multiplexer)	50.00	36.00	32.00	32.00	32.00	VUS
(3) DS3/DS1 Multiplexers - Customer Premises ²						
(a) Per DS3/DS1 Multiplexer ⁴	500.00	700.00	600.00	580.00	560.00	VUM 3C
(b) Per DS1 Electrical Interface ⁵	250.00	17.00	13.00	13.00	13.00	FQB1X
(c) DS1 Automatic protection switching ⁶ (one per DS3/DS1 multiplexer)	50.00	40.00	36.00	36.00	36.00	VUSDS
B. Mileage Charges						
1. Local Channels (for LightGate 1 and 2 service ²)						
(a) First one-half mile (Included in System Charge)	-	-	-	-	-	NA
(b) Each additional one-half mile	-	375.00	310.00	295.00	280.00	1LDP3
2. Interoffice Channels ² (Automatic protection switching of DS3 data rates is assured in interoffice facilities.)						
(a) Per DS3, first mile	650.00	1,730.00	1,500.00	1,430.00	1,360.00	1LNPC
(b) Per DS3, each additional mile	-	375.00	310.00	295.00	280.00	1LNPD

(r)

(r)

(r)

- Note 1: Contract lengths are now flexible to allow customer choice of payment period per B2.4.9.
- Note 2: Month to month rates are only available at the end of a contract rate period.
- Note 3: This DS3/DS1 multiplexer is suitable for use separately with interoffice channel links as appropriate.
- Note 4: Each DS3/DS1 multiplexer requires DS1 electrical interface equipment and can accommodate a maximum of 28 DS1 signals. Automatic protection switching of a DS3 electronic signal is included with the multiplexer.
- Note 5: DS1 capability is only available in groups of 4 DS1s. When existing DS1 capacity is exhausted, the customer must request additional DS1 service in groups of 4 DS1 channels. Each DS1 can transport 24 DS0 channels.
- Note 6: This feature may not be available with lines utilizing the Clear Channel Capability line code (BZS).

B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

B107.4 LightGate Service (Cont'd)

(r)

B107.4.4 Rates and Charges (Cont'd)

C. Channelization Capacity

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

1. Central Office

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
(a) 24 Voice Equivalent Channels	\$ 240.00	\$ 210.00	\$ 189.00	\$ 171.00	\$ 154.00	VUM 24
(b) 48 Voice Equivalent Channels	280.00	410.00	369.00	333.00	300.00	VUM 48
(c) 96 Voice Equivalent Channels	370.00	800.00	720.00	648.00	584.00	VUM 96
(d) 144 Voice Equivalent Channels	455.00	1,038.00	935.00	842.00	758.00	VUM 14
(e) 192 Voice Equivalent Channels	545.00	1,266.00	1,140.00	1,026.00	924.00	VUM 19
(f) 240 Voice Equivalent Channels	630.00	1,482.00	1,334.00	1,197.00	1,078.00	VUM 20
(g) 288 Voice Equivalent Channels	715.00	1,691.00	1,522.00	1,370.00	1,233.00	VUM 28
(h) 384 Voice Equivalent Channels	890.00	2,061.00	1,855.00	1,670.00	1,503.00	VUM 38
(i) 480 Voice Equivalent Channels	1,065.00	2,412.00	2,171.00	1,954.00	1,759.00	VUM 40
(j) 576 Voice Equivalent Channels	1,240.00	2,752.00	2,477.00	2,230.00	2,007.00	VUM 57
(k) 672 Voice Equivalent Channels	1,415.00	3,059.00	2,754.00	2,479.00	2,232.00	VUM 67

B107.OBSOLETE SERVICE OFFERING -DIGITAL NETWORK SERVICE

B107.4 LightGate Service (Cont'd)

(T)

B107.4.4 Rates and Charges (Cont'd)

D. Feature Activation

1. Central Office

	Nonrecurring Charge		Month to Month	24 to 96 Months Contract	USOC
	First	Each Additional			
a. Analog Voice Service					
(1) For Exchange Line, Foreign Exchange, WATS Line, Trunk, Centrex Type Services station line, Office Premises Station, or Voice Private Line use					
(a) Per feature activated ^{1,2,3}	\$7.00	\$6.00	\$6.50	\$5.00	1PQW +
(3) For Tie Line use					
(a) Per feature activated ^{1,2,3}	7.00	6.00	10.00	8.00	1PQW +
b. Analog Data Service					
(1) For data transmission use					
(a) Per feature activated ^{1,2,3}	7.00	6.00	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 ^{1,2,3}	7.00	6.00	13.00	11.00	1PQW +

E. Transfer Charges

1. Transfer Between Customers

	Nonrecurring Charge	USOC
(a) Per transfer	\$300.00	NA

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 LightGate service offering. However, rates and charges for automatic ringdown (20 Hz) signaling, as contained in Section B3 are applicable when this is desired by the customer.

(T)

H. Network Access Service

Rates and charges for Network Access Service are applicable as contained in A3.26 and/or A3.28, as applicable, of the General Exchange Guidebook in addition to Feature Activation and other LightGate service rates and charges contained in this Section.

(T)

I. Route Diversity

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

Note 1: 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.

Note 2: Each additional nonrecurring charge is applicable to each additional channel activated of the same type, and at the same time.

Note 3: Represents 1 (one) voice equivalent channel per feature activated.

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (T)

(Obsoleted 05/24/2002, Type D) Not available for new installations or moves of service to a different premises. No additions or rearrangements to existing service allowed. Upon expiration of existing contracts MegaLink ISDN service can only be retained on a month-to-month payment plan basis. Service to existing customers will be provided indefinitely; should the Company decide to terminate service while existing customers remain, the Company will provide at least 60 days' notice to existing customers. Grandfathering will cease when last existing customer has terminated service. (T)

B107.5.1 General

(DELETED) (D)

- A. MegaLink ISDN service is an intraLATA group of offerings supported by the Integrated Services Digital Network (ISDN) architecture. (T)
- B. MegaLink ISDN service provides a method of access to the network called Primary Rate Access. Primary Rate Access is an ISDN based, DS1 access link to the telecommunications network and provides integration of multiple voice and data transmission channels on the same line. The service will initially provide connectivity between an ISDN PBX or other ISDN compatible CPE and a serving central office. The basic channel structure for Primary Rate Access is twenty three 64 Kbps (B) channels and one 64 Kbps (D) channel. Options are available for plus or minus 23 B channels. These channels may be used to connect the customer's CPE to the Public Circuit Switched Network (e.g. outward, inward and two-way trunks, and WATS/800 Service access lines). (T)
- C. MegaLink ISDN service is a service for the transmission of digital signals only. Clear Channel Capability and Extended SuperFrame Format are inherent to the service. (T)
- D. Unless specified herein, the terms and conditions for MegaLink ISDN service specified herein apply in addition to the terms and conditions set forth in Section B2. (T)
- E. MegaLink ISDN service is provided within a LATA from wire centers where appropriate ISDN facilities are available as determined by the Company. In addition, when exchange services are desired, wire centers must offer usage based pricing. Service inquiries will be necessary to determine availability. Special Construction charges will apply as specified in B7.1. (T)

B107.5.2 Terms and Conditions (T)

- A. Customer Premises Equipment (CPE) that is compatible with the MegaLink ISDN service interface is the responsibility of the user for provisioning. (T)
- B. The Company shall not be responsible if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of Primary Rate MegaLink ISDN service render any facilities provided by the customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance. (T)

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B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

(T)

B107.5.2 Terms and Conditions (Cont'd)

(T)

- C. Digital transmission rates at speeds less than those indicated may be accomplished as a function of the particular CPE furnished by the user.
- D. Suspension of service is not allowed.
- E. Terms and conditions for Allowance of Interruptions apply as specified in Section A2 of the General Exchange Guidebook and Section B2 of this Guidebook. (T)
- F. Service Order Charges in Section A4 of the General Exchange Guidebook do not apply. (T)
- G. Minimum subscription period for which month-to-month Primary Rate services are furnished and for which charges are applicable is one month.
- H. In addition to month-to-month rates, MegaLink ISDN service is available under contractual rate periods based on lengths of twenty-four to forty-eight months, forty-nine to seventy-two months, or seventy-three to ninety-six months. (T)
- I. Local exchange services utilizing the MegaLink ISDN service Primary Rate Interface are only available with Network Access Service located in Section A3 of the General Exchange Guidebook. (T)
- J. WATS/800 services utilizing the MegaLink ISDN Service Primary Rate Interface are available in Section A19 of the General Exchange Guidebook. (T)
- K. Verification and Emergency Interrupt service is not available for MegaLink ISDN services. (T)
- L. Upgrades, from a MegaLink service and/or a MegaLink channel service contract arrangement, are permitted with no Termination Liability charges when:
 - 1. a new contract is selected for the MegaLink ISDN service equal to or greater than the arrangement being terminated, and
 - 2. the service orders to disconnect the MegaLink service and/or the MegaLink channel service arrangement and to install the MegaLink ISDN service arrangement are related together and received by the Company at the same time with no lapse in service. (T)
- M. Numbers transmitted via the Optional Incoming Call Identification feature are intended solely for the use of the MegaLink ISDN service subscriber. Resale of this information is prohibited by this Guidebook. (T)
- N. Non-facility Associated Signaling (NFAS) provides the capability to serve multiple DS1s over a single D-channel (NB+D). This feature can be ordered where switch capabilities exist as stipulated in the vendor technical documentation. When NFAS is selected, the customer will order one MegaLink ISDN service arrangement with 23 B-channels and 1 D-channel. Additional MegaLink ISDN service arrangements are ordered with 24 B-channels at rates and charges provided in paragraph B7.5.6.D. The D-channel activated on the initial arrangement serves the additional MegaLink ISDN arrangements. If the customer desires, he may also request a back-up D-channel with the NFAS option (NB+2D). It is recommended that D-channels be provisioned in separate MegaLink ISDN service arrangements. (T)

B107.5.3 Definitions

B CHANNEL

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

D CHANNEL

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

64 KBPS CLEAR CHANNEL CAPACITY (CCC)

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

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Contd)

(r)

B107.5.3 Definitions (Contd)

THIRTY-SIX MONTH TERM PAYMENT PLAN

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

SIXTY MONTH TERM PAYMENT PLAN

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

EIGHTY-FOUR MONTH TERM PAYMENT PLAN

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

 B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 M egaLink ISDN Service (Contd)

(T)

B107.5.4 Application of Rates

- A. M egaLink ISDN service Primary Rate Access Lines furnished between a Serving Wire Center and the customer's premises will be charged at rates per each Primary Rate Access Line. (T)
- B. Interoffice Channels furnished between central offices will be charged at rates based on airline distance between the central offices. (T)
- C. M egaLink ISDN service is available on a month-to-month basis or under variable rate periods, with rates based on length of twenty-four to forty-eight months, forty-nine to seventy-two months, or seventy-three to ninety-six months under conditions specified in the Channel Services Payment Plan in B2.4, except as modified following. (T)
- D. M egaLink ISDN service rates under any Term Payment Plan are exempt from Company-initiated changes for the payment period selected. Rates in effect at the time the service is installed and/or as of the service order application date, will be applicable until the contract expires. At the expiration date of the customer's payment period option, the customer may select a new payment period option at current rates or revert to current rates on a month-to-month basis. (T)
- E. A Termination Liability Charge is applicable at the date of termination. (T)
- F. A customer's liability for the termination of service prior to the time the customer's obligations under the term plan would have otherwise been satisfied are set forth in paragraph B 2.4.9.A.4. (T)
- G. Airline distance between Company central offices shall be developed using the methodology found in B3.3.3. Fractional mileage shall be rounded up to the next full mile. (T)
- H. Nonrecurring charges will not be applicable for the Primary Rate Access Line or Interoffice Channel facilities when upgrading an existing M egaLink service to a M egaLink ISDN service. (T)

B107.5.5 Service Components

- A. The customer may choose any number of channels up to twenty-three per Primary Rate Access to be active with a corresponding number of services (e.g. inward/outward trunks, WATS Lines, 800 Service) selected. The customer may also choose to have more services selected than channels available for specific applications. The total number of communication paths may not exceed the number of channels subscribed. (T)
- B. The required components for M egaLink ISDN service will be as follows:
 - Primary Rate Access Line
 - Primary Rate Interface
 - Primary Rate B Channels
 - Call-by-Call/Integrated Service Access Feature Capability
 - Network Access and Usage Charges where applicable
- 1. Primary Rate Access Line - will provide a four-wire access loop from the customer premises to the serving wire center. The transmission characteristics of this loop support Clear Channel Capability and Extended SuperFrame Format (ESF).
- 2. Interoffice Channels - will provide for the transmission facilities between Company serving wire centers within a LAT A.
- 3. Primary Rate Interface - provides the multiplexing to support up to twenty-three B channels at 64 Kbps and one D channel for signaling also at 64 Kbps. When Non-Facility Associated Signaling (NFAS) is ordered, the Primary Rate Interface can provide up to twenty-four B-channels at 64 Kbps.

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

(T)

B107.5.5 Service Components (Cont'd)

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

(T)

4. Primary Rate B Channels - will provide a usage sensitive circuit switched service that will allow either voice or data transmission at up to 64 Kbps.

a. Monthly rates for Primary Rate B Channels will be billed for local exchange service in accordance with Network Access Service (NAS) rates and charges found in Section A3 of the General Exchange Guidebook for all ISDN and non-ISDN facilities terminated at the same premises. Primary rate channels associated with this option are designated as NAS Channels in paragraph B756D.

(T)

b. Voice calls may be completed to both ISDN and non-ISDN lines.

c. Data Transmission on the B channel will be circuit switched at 64 Kbps within the switch and between ISDN compatible central offices. ISDN interconnection to non-ISDN equipped central offices may be potentially subjected to analog transmission or sub-rated to 56 Kbps.

d. The customer may choose to subscribe to additional non-exchange based services. Initial choices for these services will be WATS and 800 Service. The subscription to these services is in addition to the charges for MegaLink ISDN service.

(T)

5. Call-by-Call/Integrated Service Access Feature Capability - This feature will allow the customer to dynamically allocate the use of channels for the Primary Rate Access service. The customer may also choose voice or data transmission on a per call basis. In addition, the customer may also choose to subscribe to more services than channels and dynamically change the services in use.

6. Network Access and Usage Charges - Network Access for Primary Rate Access is based upon the type of service the customer desires. Exchange access is provided through the use of Network Access Service found in Section A3 of the General Exchange Guidebook. Customers electing WATS or 800 service will obtain service access in Section A19 of the General Exchange Guidebook.

(T)

C. Incoming Call Identification - This optional feature provides the customer with the number of the calling party. Incoming call identification is provided via the D Channel associated with incoming calls on a B channel(s) to a PBX.

(T)

D. MegaLink ISDN Packet Switched Data - This optional feature allows packet data to be transmitted up to 9.6 Kbps via a Basic Rate (BRI) OB+D Access Line. There is a limit of 12 MegaLink ISDN Packet Switched Data lines for each Primary Rate Interface activated.

(T)

B107.5.6 Rates and Charges

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

(T)

B. A MegaLink ISDN Primary Rate Access Line is furnished between a Serving Wire Center and the customer's premises. Rates will be charged for each Primary Rate Access Line activated.

(T)

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

(r)

B107.5.6 Rates and Charges (Cont'd)

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
B. (Cont'd)						
1. Primary Rate Access Line						
(a) Each	\$105.00	\$138.60	\$106.00	\$104.00	\$102.00	1LDNE
(b) Connection for existing customer facilities	-	-	-	-	-	1LDNF
C. Interoffice Channels furnished between central offices. Rates are based on the airline distance. ¹						
1. Interoffice Channel, each channel 0 - 8 miles						
(a) Fixed monthly rate	310.00	82.50	65.00	65.00	65.00	1LNF8
(b) Each airline mile, or fraction thereof	-	48.95	16.00	14.00	12.00	1LNN8
2. Interoffice Channel, each channel 9 - 25 miles						
(a) Fixed monthly rate	310.00	82.50	65.00	65.00	65.00	1LNF9
(b) Each airline mile or fraction thereof	-	48.95	16.00	14.00	12.00	1LNN9
3. Interoffice Channel, each channel over 25 miles						
(a) Fixed monthly rate	310.00	82.50	65.00	65.00	65.00	1LNF5
(b) Each airline mile or fraction thereof	-	48.95	16.00	14.00	12.00	1LNN5
D. MegaLink ISDN services will be available in combinations of Primary Rate Channels according to the limits of the Company central office type. Customers will choose the most appropriate combination(s) and will be billed for the services as appropriate.						
(1) Primary Rate Interface						
(a) Each	340.00	396.00	260.00	250.00	240.00	PRFS1
(2) Primary Rate B Channels						
(a) Per NAS channel	7.00	7.70	5.00	5.00	5.00	PRFC1
(3) Call-by-Call/Integrated Service Access Service Selection						
(a) Per facility group	125.00	16.50	10.00	10.00	10.00	PRFAS

(r)

Note 1: Refer to B333 form fileage measurement methodology.

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

B107.5 MegaLink ISDN Service (Cont'd)

(T)

B107.5.6 Rates and Charges (Cont'd)

E. Optional Features

	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC
1. Incoming Call Identification, Per Incoming or Two-Way NAS or INWATS service						
(a) 1 - 8 Services, each	-	\$27.50	\$25.00	\$25.00	\$25.00	NUBC1
(b) 9 - 15 Services, each	-	22.00	20.00	20.00	20.00	NUBC2
(c) 16 or more Services, each	-	16.50	15.00	15.00	15.00	NUBC3
2. MegaLink ISDN Packet-Switched Data, Per Primary Rate Interface (Line of 12)						
(a) Each ¹	\$35.00	19.90	19.90	19.90	19.90	OFPSD
(b) Segment Charge, per segment				Rate \$.0002		USOC NA

(T)

F. Move Charge

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

(T)

G. Service Connection Charges

- Service Establishment Charges are applicable, for each MegaLink ISDN service ordered, for receiving and recording information and/or taking action in connection with a customer's request, and processing the necessary data. These charges include engineering design, common centralized testing and coordination.
- 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 Primary Rate Access Line. A Service Change Charge is applicable for each Primary Rate Access Line associated with the customer request (in lieu of a Service Establishment Charge).
- Premises Visit Charges are applicable, per Primary Rate Access Line, for the termination of a channel at a customer's premises or for inside moves. Only one Premises Visit Charge applies when more than one channel service of the same type is terminated or moved at the same premises at the same time.
- Charges for MegaLink ISDN Primary Rate Access Service

(T)

a. Service Establishment Charge

- Per MegaLink ISDN (DS1) service

	Nonrecurring Charge	USOC
(a) Each	\$575.00	NRC PA

(T)

(T)

Note 1: MegaLink ISDN Packet-Switched Data is provided via a Basic Rate (BR1) 0B+D Access Line.

(T)

B107.OBSOLETE SERVICE OFFERING - DIGITAL NETWORK SERVICE

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

B75.6 Rates and Charges (Cont'd)

G. Service Connection Charges (Cont'd)

4. Charges for MegaLink ISDN Service (Cont'd) (r)

	Nonrecurring Charge	USOC	
b. Service Change Charge			
(1) Per MegaLink ISDN (DS1) service			(r)
(a) For service changes and/or inside moves, each	\$350.00	NRC PM	
(b) Per transfers of responsibility, each	350.00	NRC PT	
c. Premises Visit Charge			
(1) Per Primary Rate Access Line or for an Inside Move			
(a) Per visit	30.00	NRC PC	

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

B108.OBSOLETE SERVICE OFFERINGS - CUSTOM NETWORK SERVICE

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B108.OBSOLETE SERVICE OFFERINGS – CUSTOM NETWORK SERVICE

B108.1 General

Custom Network Service is furnished to provide custom-designed IntraLATA Private Line Service networks. Each network design is offered herein as a Custom Network Service Arrangement, and each is further identified with a Roman numeral designation (i.e., Custom Network Service Arrangement I). A Custom Network Service Arrangement is only available under a contractual payment period according to the terms and conditions specified herein. A Custom Network Service Arrangement is provided for an individual end user network and is not available for resale. The Private Line Services provided in a Custom Network Service Arrangement are subject to the general terms and conditions for service stated elsewhere in this Guidebook, except where specified otherwise in a Custom Network Service Arrangement. In order to subscribe to a Custom Network Service Arrangement, the customer's network must meet the minimum requirements stated within that specific Custom Network Service Arrangement with regard to network design and size. The customer must also agree to the terms and conditions stated therein.

B108.2 Custom Network Service Arrangement I

(Obsoleted November 1, 2013) Custom Network Service Arrangement I is only available for existing customers at existing locations. Not available for new service, additions to existing service or moves of existing service to new locations.

(DELETED)

(D)

B108.2.1 General

Custom Network Service Arrangement I is provided to furnish a large data network composed of Type 2463 Voice Grade Private Line Service (may be referred to as analog data or 4-wire analog data service) and Synchronet service (may be referred to as digital data or 4-wire digital data service). This arrangement will provide the rates and charges to allow the transition of a primarily analog data network to a digital data network by the end of the specified payment period. The analog data service and digital data service provided in Custom Network Service Arrangement I will be subject to the terms and conditions in this Guidebook which apply to Type 2463 Voice Grade Private Line Service from Section B3 and Synchronet service from Section B7, except where stated otherwise herein.

(E)

B108.2.2 Terms and Conditions

- A. Custom Network Service Arrangement I is provided under a fixed five year payment period and shall be administered in accordance with the terms and conditions contained in the Channel Services Payment Plan, B2.4.9A., except as follows:
1. The customer has the following options for service following the expiration of the five year payment period:
 - a. The customer may elect to enter into a new Custom Network Service Arrangement I payment agreement at the rates in effect herein for new customers at the time his contract service expires.
 - b. The customer may elect that his network service revert back to the generally available analog data and Synchronet service rates in Sections B3 and B7 respectively, that are in effect at the time his contract service expires.
 - c. The customer may elect that all Custom Network Service be disconnected at the expiration of his contract period. No Termination Liability Charges shall apply.
 - d. If the customer does not elect paragraph a., b., or c., or does not notify the Company of his intentions prior to the time his contract service expires, service shall be continued at the monthly rates currently in effect for month-to-month analog (Type 2463) and digital (Synchronet service) services from Sections B3 and B7 respectively, until notified otherwise by the customer.

B 108.OBSOLETE D SERVICE OFFERINGS -CUSTOM NETWORK SERVICE
B 108.2 Custom Network Service Arrangement I (Cont'd)**B 108.2.2 Terms and Conditions (Cont'd)****A. (Cont'd)**

2. The disconnect or moves of individual local and/or interoffice channels, node channel terminations and/or associated optional features within the Custom Network Service Arrangement I payment period shall be considered as partial disconnects of the network and shall not incur a Termination Liability Charge. A Termination Liability Charge shall apply only for the complete disconnect of all service within Custom Network Service Arrangement I, and shall be calculated as follows:

- If the aggregate count of analog and/or digital local channels is 1000 or greater at the time of disconnect, the Termination Liability Charge shall be equal to the appropriate monthly rate times the number of months remaining in the Custom Network Service Arrangement I payment period times the quantities of service in-place at the time of disconnect.
- If the aggregate count of analog and/or digital local channels is less than 1000 at the time of disconnect, the Termination Liability Charge shall be equal to the appropriate monthly rate times the number of months remaining in the Custom Network Service Arrangement I payment period times the quantities of service in-place at the time of disconnect, plus the monthly rate for a 9.6 Kbps digital local channel times the number of months remaining in the Custom Network Service Arrangement I payment period times the difference between the actual aggregate count of analog and/or digital local channels and the 1000 local channel minimum (as described in paragraph B).

B. The minimum initial size for a data network under Custom Network Service Arrangement I shall be an aggregate of not less than 1000 local channels of Type 2463 analog data service and/or Synchronet service located in the Company's serving area in Tennessee with at least fifty percent (50%) being initially of the analog type. The size of the data network shall remain an aggregated minimum of 1000 analog and/or digital local channels for the five year payment period. The network size shall be reviewed annually on the anniversary date of the signing of the payment agreement for Custom Network Service Arrangement I. The purpose of each annual review is to determine if the data network minimum size is being maintained and to make any billing adjustments if the size is below the stated minimum.

1. If the aggregate count of analog and/or digital local channels is 1000 or greater on the anniversary date, the network minimum has been met and no billing adjustment is required.

2. If the aggregate count of analog and/or digital local channels is less than 1000 on the anniversary date, the network minimum has not been met and a one-time charge shall apply to adjust the billing for the prior year. This charge shall be referred to as the annual adjustment charge and is not subject to the Deferred Payment option provided in paragraph B 2.4.9 A 9. The calculation to determine this annual adjustment charge takes into account a customer's inward and outward movement that may have occurred for purposes of recovering revenue due for the shortfall in the minimum local channel count. The annual adjustment charge shall be calculated as follows and shall be imputed as a one-time charge.

a. The customer shall pay the equivalent of the monthly rate for a 9.6 Kbps digital local channel provided within their Custom Network Service Arrangement I times the difference between the aggregate local channel count on the anniversary date and the 1000 local channel minimum times 6 months.

C. By the end of the five year payment period, ninety percent (90%) of the data service in Custom Network Service Arrangement I shall be Synchronet service. This ninety percent (90%) count shall be based upon the local channels in the Custom Network Service Arrangement I.

B 108.OBSOLETE D SERVICE OFFERINGS -CUSTOM NETWORK SERVICE

B 108 2 Custom Network Service Arrangement I (Cont'd)

B 108 2 2 Terms and Conditions (Cont'd)

C. (Cont'd)

1. A charge shall apply as follows for Type 2463 Voice Grade Analog Data services, in excess of the 10 percent (10%) allowable, not converted to Synchronous service at the expiration of the five year payment period: The customer shall be charged the difference between the monthly rates contained in Custom Network Service Arrangement I and the monthly rates contained in Section B 3 for Type 2463 Voice Grade Analog Data service times 60 months times the quantities of analog service, in excess of the 10 percent (10%) allowable, remaining in place at the end of the five year payment period.

D. As other speeds of Synchronous service become available in Section B 7, these new speeds may be added to Custom Network Service Arrangement I. Any new speeds of service added will be available only under the same payment terms and conditions described herein and shall terminate at the same time as the initial payment period for Custom Network Service Arrangement I.

E. Nonrecurring charges specified in B 8 2 3 do not apply for the conversion of analog data and/or Synchronous service in place at the time the customer establishes Custom Network Service Arrangement I. Any requests for new service to be added to the customer's network or requests to change an in place analog data service to Synchronous service at the time Custom Network Service Arrangement I is established will be subject to the nonrecurring charges specified in B 8 2 3.

B 108 2 3 Rates and Charges

A. Type 2463 Voice-Grade Analog Data Service¹

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
1. Local Channel				
(a) Each	\$47.50	\$350.00	\$155.00	P2JM X
	Monthly Rate	Nonrecurring Charge		USOC
2. Interoffice Channels, 0 - 8 miles				
(a) Per channel	\$30.00	\$93.00		3LB1S
(b) Each mile or fraction thereof	1.95	-		3LB2S
3. Interoffice Channels, 9 - 25 miles				
(a) Per channel	30.00	93.00		3LB3S
(b) Each mile or fraction thereof	1.90	-		3LB4S
4. Interoffice Channels, over 25 miles				
(a) Per channel	30.00	93.00		3LB5S
(b) Each mile or fraction thereof	1.85	-		3LB6S
5. Analog Data Bridging (Optional Feature)				
(a) Per Port	20.00	34.00		BQ 9

Note 1: The monthly rates shown are for the fixed five year payment period.

B 108.OBSOLETE D SERVICE OFFERINGS -CUSTOM NETWORK SERVICE

B 108.2 Custom Network Service Arrangement I (Cont'd)

B 108.2.3 Rates and Charges (Cont'd)

B. Synchronet Service¹ (Cont'd)

	Monthly Rate	Nonrecurring Charge	USOC
3. Digital Interoffice Channel (Cont'd)			
b. 9 -25 miles (Cont'd)			
(2) Each mile or fraction thereof			
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	\$1.60	-	3LBDA
(b) 56.0 and 64.0 Kbps	3.20	-	3LBDA
c. Over 25 miles			
(1) Per channel			
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	18.00	\$76.00	3LBEA
(b) 56.0 and 64.0 Kbps	32.00	76.00	3LBEA
(2) Each mile or fraction thereof			
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	1.60	-	3LBFA
(b) 56.0 and 64.0 Kbps	3.20	-	3LBFA
4. MultiPoint Service/Bridging (Optional Feature)			
Per local or interoffice channel bridged ²			
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	10.00	28.00	6BN
(b) 56.0 Kbps	10.00	28.00	6BN

B 108.3 Custom Network Service Arrangement II

(Obsoleted November 1, 2013) Custom Network Service Arrangement I is only available for existing customers at existing locations. Not available for new service, additions to existing service or moves of existing service to new locations.

B 108.3.1 General

Custom Network Service Arrangement II is provided to furnish a very large data network composed of Type 2463 Voice Grade Private Line Service (may be referred to as analog data or 4-wire analog data service) and Synchronet service (may be referred to as digital data or 4-wire digital data service). The analog data service and digital data service provided in Custom Network Service Arrangement II will be subject to the terms and conditions in this Guidebook which apply to Type 2463 Voice Grade Private Line Service from Section B3 and Synchronet service from Section B7, except where stated otherwise herein. Customers subscribing to Custom Network Service Arrangement I may request to subscribe to Custom Network Service Arrangement II prior to the expiration of the Custom Network Service Arrangement I service period agreement. No termination liability charges or service penalty charges from Custom Network Service Arrangement I shall apply for such changes; however, no service credit will be given for the former contractual period.

B 108.3.2 Terms and Conditions

Custom Network Service Arrangement II is provided under a ten year payment period agreement administered in accordance with the terms and conditions contained in the Channel Services Payment Plan (CSPP), B2.4.9A., except as follows:

A. Custom Network Service Arrangement II is provided under a ten year payment period agreement with a mandatory minimum service period of five years required.

1. After completion of the fifth year in this payment period agreement, the customer may elect to continue this payment agreement for another five year period (not to exceed a total payment period of ten years), or the customer may elect one of the service options stated in paragraph 2.

Note 1: The monthly rates shown are for the fixed five year payment period.

Note 2: This option may not be available in all service locations.

(T)
(T)

B 108 . C U S T O M N E T W O R K S E R V I C E

B 108 3 Custom Network Service Arrangement II (Cont'd)

B 108 3 2 Terms and Conditions (Cont'd)

A . (Cont'd)

2. The customer has the following options for service following the expiration of his Custom Network Service Arrangement II payment period:
 - a. The customer may elect to enter into a new Custom Network Service Arrangement II payment agreement at the rates in effect herein for new customers at the time his contract service expires.
 - b. The customer may elect that his network service revert back to the generally available services offered by this Company (e.g., analog data service from Section B 3 and Synchronous service from Section B 7) at the rates that are in effect at the time his contract service expires.
 - c. The customer may elect that all services provided under this Custom Network Service Arrangement II be disconnected at the expiration of his contract period. No Termination Liability Charges shall apply.
 - d. If the customer does not elect paragraph a, b, or c, or does not notify the Company of his intentions prior to the time his contract services expires, service shall be continued at the monthly rates currently in effect for these services on a month-to-month basis (e.g., analog data service from Section B 3, and Synchronous service from Section B 7) until the Company is notified otherwise by the customer.

- B . The minimum initial size for a data network under Custom Network Service Arrangement II shall be an aggregate of not less than 2000 local channels of Type 2463 analog data service and/or Synchronous service located in the Company's serving area in Tennessee. By the end of the first year the customer's network must contain a minimum of 2000 digital data local channels. The network minimum size of 2000 digital data local channels shall apply for the entire payment period. The network size shall be reviewed annually on the anniversary date of the signing of the payment agreement for Custom Network Service Arrangement II. The purpose of each annual review is to determine if the appropriate digital data network minimum size has been met and is being maintained and to make any billing adjustment if the size is below the stated minimum of 2000 digital data local channels. These charges shall be referred to as an annual adjustment charge and are not subject to the Deferred Payment option provided in paragraph B 2 4 9 B .

1. The calculation to determine an annual adjustment charge takes into account a customer's inward and outward movement that may have occurred for purposes of recovering revenue due for the shortfall in the specified network minimum local channel count set forth in this Custom Network Service Arrangement II.
 - a. The annual adjustment charge which applies when the specific network minimum of 2000 digital data local channels has not been met shall be calculated as follows and be input as a one-time charge:

The customer shall pay the equivalent of the monthly rate for a 9.6 Kbps digital data local channel, provided within their Custom Network Service Arrangement II, times the difference between the 2000 minimum and the actual count of digital local channels, times 6 months.

- C . The disconnect or moves of individual local and/or interoffice channels, node channel terminations and/or associated optional features within the Custom Network Service Arrangement II payment period shall be considered as partial disconnects of the network and shall not incur a Termination Liability Charge. A Termination Liability Charge shall apply only for the complete disconnect of all service within Custom Network Service Arrangement II (except as specified in paragraph D) and shall be calculated as follows:

1. If the count of digital data local channels is 2000 or greater at the time of disconnect, the Termination Liability Charge shall be equal to the appropriate monthly rate, times the number of months remaining in the Custom Network Service Arrangement II payment period, times the actual quantities of service in place at the time of disconnect.
2. If the count of digital data local channels is less than 2000 at the time of disconnect, the Termination Liability Charge shall be equal to:
 - 1) the appropriate monthly rate, times the number of months remaining in the Custom Network Service Arrangement II payment period, times the quantities of service in place at the time of disconnect, plus
 - 2) the monthly rate for a 9.6 Kbps digital local channel, times the number of months remaining in the Custom Network Service Arrangement II payment period, times the difference between the actual aggregate count of digital data local channels and the 2000 digital data local channel minimum .

B108.OBSOLETE SERVICE OFFERINGS - CUSTOM NETWORK SERVICE

B108.3 Custom Network Service Arrangement II (Cont'd)

B108.3.2 Terms and Conditions (Cont'd)

- D. A Termination Liability Charge as specified in paragraph C shall apply for the total disconnect of Custom Network Service Arrangement II unless both of the following conditions are met:
 - 1) the disconnect occurs after Custom Network Service Arrangement II has been in place for a minimum of twenty four months, and
 - 2) if the customer elects another Custom Network Service Arrangement for a period of time equal to or greater than the amount of time remaining in his Custom Network Service Arrangement II payment period. If these conditions are met, no Termination Liability charge shall apply.
- E. As developed by the Company other new technologies capable of supporting digital data transport may be added to this Custom Network Service Arrangement II offer. Such data services shall qualify on a per local channel or access line basis towards the 2000 minimum digital data local channel count required for Custom Network Service Arrangement II specified in paragraph B. Any new services added will be available under the same payment terms and conditions described herein and shall terminate at the same time as the initial payment period agreement established for each customer's Custom Network Service Arrangement II.
- F. Nonrecurring charges specified in B 8 3 3 do not apply for the conversion of analog data and digital data service in place at the time the customer establishes Custom Network Service Arrangement II. Termination Liability Charges shall not apply for the conversion of in place analog data and digital data service that was being provided under another Custom Network Service Arrangement or other CSPP arrangements to the services included in Custom Network Service Arrangement II. Requests for new service to be added to the customer's network will be subject to the nonrecurring charges specified in paragraph B 8 3 3. Full digital data nonrecurring charges apply for analog data service requested to be converted to digital data service, except as follows:
 1. No digital data service nonrecurring charges shall apply for analog data service conversions to digital data service ordered during the first twelve months following the establishment of each customer's Custom Network Service Arrangement II; specifically, the digital data service nonrecurring charges will not apply when the service order application date requesting the analog data service conversion falls within this first twelve month period and the digital data service is to be provided within the Company's standard installation interval.

B108.3.3 Rates and Charges

A. Type 2463 Voice-Grade Analog Data Service

	Monthly Rate	Nonrecurring Charge		
		First	Additional	USOC
1. Local Channel				
(a) Each	\$42.50	\$395.00	\$120.00	P2JM X
	Monthly Rate	Nonrecurring Charge		USOC
2. Interoffice Channels, 0 - 8 miles				
(a) Per channel	\$27.20	\$225.00		3LB1S
(b) Each mile or fraction thereof	1.65	-		3LB2S
3. Interoffice Channels, 9 - 25 miles				
(a) Per channel	27.20	225.00		3LB3S
(b) Each mile or fraction thereof	1.65	-		3LB4S
4. Interoffice Channels, over 25 miles				
(a) Per channel	27.20			3LB5S
(b) Each mile or fraction thereof	1.65	-		3LB6S
5. Analog Data Bridging (Optional Feature)				
(a) Per Port	17.00	65.00		BQ 9

B109.OBSOLETE SERVICE OFFERINGS - OPTICAL NETWORK SERVICE

B109.1 BellSouth Wavelength (Dedicated Ring Arrangement) (Cont'd)

B109.1.1 General (Cont'd)

D. (Cont'd)

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.
- 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.
- OC-192 Wavelength Transport - provides fiber based synchronous optical full duplex data transmission capability and a transparent data communications channel.
- ESCON™ / SBCON Wavelength Transport - Enterprise Systems Connection / Single Byte command code sets Connection. ESCON is an IBM duplex optical connection used for computer-to-computer data exchange. SBCON is the industry standard equivalent to IBM ESCON.
- FICON™ and FICON™ Express Wavelength Transport - An IBM higher-speed evolution of ESCON™, enabling connectivity among mainframes, storage devices and peripherals.
- Fibre Channel 100 and Fibre Channel 200 Wavelength Transport - An industry standard protocol used to interconnect Storage Area Networks (SANs).
- Fast Ethernet Wavelength Transport - a version of Ethernet.
- Gigabit Ethernet (1 Gbps) Wavelength Transport - a version of Ethernet.

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)

- 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. Wavelength Channels with time delay sensitive protocols, as identified in TR 73630 BT, have facility length limitations and may not be available on some BellSouth Wavelength service Dedicated Ring Arrangements, or may not be available between some nodes on certain BellSouth Wavelength service Dedicated Ring Arrangements.
- 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.