

TARIFF DISTRIBUTION

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A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.1 General (Cont'd)

- K. The services provided under this *Guidebook* shall be used by the MSP only for the handling of interchanged traffic originating or terminating on the MSP's system in conjunction with their operating authority. (T)
 - L. The services provided under this *Guidebook* may not be used, switched or otherwise connected together, except on an ancillary basis such as call forwarding, by the MSP for provision of through calling from a landline telephone to another landline telephone. Mobile service providers found to be in violation of this provision will be subject to disconnection. For purposes of enforcement, MSPs will make their records available for audit by the Company. The Company agrees to protect the confidentiality of all records made available for audit. (T)
 - M. DS1 service denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with a 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. Unframed signal formats are not permitted or compatible with Company equipment. The required format and specifications are contained in Bellcore Technical Reference Pub 62508 and PUB 62411, or their successors.
 - N. The mileage to be used to determine the monthly rate for facilities is calculated on the airline mileage between the two locations involved. All mileage will be calculated as described in B3.1.3 of the Private Line *Guidebook*. (T)
 - O. The Company will respond to trouble reports from MSPs in the same manner and same priority as is provided to other common carriers.
 - P. The Company and MSPs will cooperate in jointly planning network interconnection and facility requirements.
 - Q. Service Installation Guarantee
 - 1. The Company assures that orders for services will be installed and available for customer use no later than the end of normal business hours on the Service Date which is the negotiated date that service is to be made available to the MSP. This Service Installation Guarantee will be in effect for Service Dates negotiated on or after June 14, 1996 and is applicable only to services specified in A35.1 and A35.3.
 - 2. The failure of the Company to meet this commitment will result in the credit of an amount equal to the nonrecurring charges associated with the individual service having the missed Service Date being applied to the MSP's bill. The credit will include only nonrecurring charges associated with the services rated in A35.1 and A35.3 for which nonrecurring charges are applicable and listed. The nonrecurring charges will be credited at the rate at which they were billed. The credit will not be provided if a credit of the same nonrecurring charge for the same service is provided under any other provisions of this *Guidebook*. (T)
 - 3. For Service Installation Guarantee to apply to the establishment of a dedicated NXX or the subsequent movement of that NXX, the MSP must define the related trunking information necessary to successfully complete an end-to-end test. The MSP must associate the dedicated NXX with an existing active trunk group (two-way or one-way inward) or must establish a network trunk group (two-way or one-way inward) to associate with the dedicated NXX. If a new trunk group is established for this purpose, it must be activated ten days prior to the Service Date of the new or relocated dedicated NXX.
 - 4. Service Installation Guarantees do not apply:
 - a. when failure to meet the Service Date occurs because of:
 - (1) any act or omission of this MSP, any other MSP or any third party, or of any other entity providing a portion of a service,
 - (2) labor difficulties, governmental orders, civil commotions, criminal actions against the Company, acts of God, war or other circumstances beyond the Company's control, (M)
 - (3) unavailability of the customer's facilities and/or equipment, (M)
 - b. to service requiring Special Construction as set forth in Section A5. (T)(M)
 - c. to Specialized Service or Arrangements or Individual Case Basis filings as set forth in Section A5. (T)(M)
 - d. when alternate arrangements for SS7 signaling links are utilized. (M)
- In addition, Service Installation Guarantee will not apply during a declared National Emergency. (M)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.1 General (Cont'd)

(M)

R. Assignment of Numbers and NXX Codes

1. When a new dedicated NXX is assigned, if the NXX will reside at the MSP's Point of Presence (POP), at least one number from that NXX must terminate in a milliwatt test line (Technical Reference: ANSI T1.207-1989), to be used for test purposes. When a dedicated NXX is assigned for BellSouth CMRS Type 1 service, and BellSouth CMRS Local Loop Trunks, then the NXX resides in the Company end office, in which case the Company will terminate a MSP selected number in a milliwatt test line.
2. The MSP will provide the Company with both the name of the desired designated exchange and the V&H coordinates for each dedicated NXX established with a BellSouth CMRS Type 2A/Type 2A-SS7 interconnection. If the desired designated exchange for the dedicated NXX is different than the exchange where the MSP's BellSouth CMRS Type 2A/Type 2A-SS7 interconnection exists, it is called a virtual designated exchange. A virtual designated exchange is only allowed when the chosen designated exchange meets the following criteria:
 - a. Is a Company exchange
 - b. Is in the same LATA as the MSP's point of interconnection
 - c. Is billed from the same Regional Accounting Office (RAO) as MSP's interconnection
 - d. Is located within the NPA's geographic area
 - e. Is in a different local calling area than the exchange where the MSP's interconnection existsOnce ordered, the chosen designated exchange cannot be changed for six months after implementation.
3. The MSP may move an existing dedicated NXX that resides in a Company end office to the MSP's Point of Presence (POP) within the same LATA. A BellSouth CMRS Type 2A/Type 2A-SS7 interconnection must exist at the POP. Both locations must be served by the same access tandem.

S. Billed Number Screening as defined in A13.21, for calls carried by the Company, is available to MSPs at the rates, terms and conditions specified therein. Screening of calls transported by other Carriers are the responsibility of the MSP and the other Carrier.

T. Customized Code Restriction is available to the MSPs as described in A13.20 for BellSouth CMRS Type 1 Interconnections and Mobile Services Dial Lines. If the MSP does not subscribe to this option, it becomes the MSP's responsibility to either block calls or accept charges incurred by their subscribers.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.1 General (Cont'd)

U. MSP Selective Class of Call Screening

1. MSP Selective Class of Call Screening (SCCS) is an optional service available with BellSouth CMRS Local Loop Lines, BellSouth CMRS Local Loop Trunks and BellSouth CMRS Type 1 Service.
2. MSP SCCS is offered with two options.
Option 1 - Provides 0+ and 0- screening capability to force alternate billing and provides central office blocking of 1+, 101XXXX 1+ and 900 calls.
Option 2 - Provides 0+ and 0- screening capability to force alternate billing but allows 1+ and 101XXXX 1+ calls. 900 calls are blocked.
3. Subscribing to MSP SCCS only relieves the MSP of responsibility for charges associated with intraLATA calls made by subscribers using the Company's toll services.
4. When option 2 is selected, the MSP assumes responsibility for all sent-paid intraLATA toll charges.
5. All local (7-digit dialed) calls and calls to Company numbers such as repair service, Directory Assistance and public emergency service numbers, such as 911, will be permitted.
6. MSP SCCS will be established only where operator identification is provided through the use of automated equipment arranged to furnish this service.
7. This service is available only from central offices which have been arranged to provide the service. The service is provided subject to the availability of facilities. This service is not compatible with all service offerings.

A35.1.2 BellSouth CMRS Local Loop Lines and BellSouth CMRS Local Loop Trunks

- A. BellSouth CMRS Local Loop Lines and BellSouth CMRS Local Loop Trunks are direct connections between a MSP's Point of Termination (POT) and a Company end office. The MSP establishes connections to other Company end offices and other carriers through this interface. In addition, this form of interconnection allows the MSP to establish connection to Company Operator Services, Directory Assistance and 911 Service (where available).
- B. These services are offered at the rates specified herein. For purposes of this *Guidebook* section, the dial lines services specified in A35.1.6.A are defined as line side connections to an end office that are two (2) wire circuits, or their equivalence, using loop or ground start supervision with either dial pulse (DP) or dual tone multifrequency (DTMF) address pulsing and transmission characteristics that do not exceed a nominal loss of 5dB. Outpulsing of digits circuits are defined as trunk side connections to an end office that are two (2) wire circuits or their equivalence, using reverse battery supervision with either dial pulse (DP) or dual tone multifrequency (DTMF) address pulsing, controlled by wink start operation, and transmission characteristics that do not exceed a nominal loss of 5dB. These will be the minimum grades of service for trunk arrangements offered under the provisions of this *Guidebook* section. Different signaling arrangements or transmission characteristics other than those defined as standard may be provided at additional rates as described in A35.1.1.D.
- C. BellSouth CMRS Local Loop Trunks (two-way and one-way outward) may be arranged as follows:
 1. The MSP is alerted to an incoming call via a 20Hz ringing signal.
 2. Outward calls may use either dial pulse (DP) or dual tone multifrequency (DTMF) address pulsing.

(T)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.2 BellSouth CMRS Local Loop Lines and BellSouth CMRS Local Loop Trunks (Cont'd)

- C. BellSouth CMRS Local Loop Trunks (two-way and one-way outward) may be arranged as follows: (Cont'd)
 - 3. Dual Tone Multi-Frequency (DTMF) is an available option only in those offices that are suitably equipped. Otherwise, the provisions of A35.1.1.D. apply.
- D. BellSouth CMRS Local Loop Trunks (one-way inward) may use either dial pulse (DP) or dual tone multifrequency (DTMF) address pulsing using wink start operation to control the outpulsing of digits. DTMF is an available option only in those offices that are suitably equipped.
- E. The MSP's equipment shall provide the necessary on-hook, off-hook, answer, and disconnect signals, and in all cases, shall comply with the technical specifications described in Bellcore Technical References PUB 61100 and TR-NPL-000275.
- F. At the request of the MSP or at the discretion of the Company, subject to the operating limits and availability of facilities, these services may be provided from central offices other than the MSP's serving central office. When voice grade circuits are served from other than the MSP's normal serving central office, appropriate mileage rates for Foreign Exchange or Foreign Central Office services apply, per trunk as specified in Section A9. When DS-1 service is provided from other than the MSP's normal serving central office, the rates specified in Section B7. of the Private Line *Guidebook* apply. (T)

A35.1.3 BellSouth CMRS Type 1 Interconnection

- A. A BellSouth CMRS Type 1 interconnection is a direct trunk connection between a MSP's POT and the trunk side of a Company end office. The MSP establishes connections to other Company end offices and other carriers through this interface. In addition, this form of interconnection allows the MSP to establish connection to Company Operator Services, Directory Assistance and 911 Service (where available).
- B. These services are offered at the rates specified herein from central offices where necessary service options are available. For the purposes of this *Guidebook* section, BellSouth CMRS Type 1 services are defined as trunk side connections to an end office that are four (4) wire circuits using only E&M supervision with multifrequency (MF) address pulsing, controlled by wink start operation, and transmission characteristics that comply with Technical Reference TR-EOP-000352. (T)
- C. BellSouth CMRS Type 1 service may be arranged for one-way inward (to the MSP), one-way outward (from the MSP), or two-way operation and is available only in suitably equipped end offices.
- D. The MSP's equipment shall provide the necessary on-hook, off-hook, answer, and disconnect signals and shall, in all cases, comply with the technical interconnection specifications described in Bellcore Technical Reference TR-NPL-000145.
- E. At the request of the MSP or at the discretion of the Company, subject to the operating limits and availability of facilities, these services may be provided from central offices other than the MSP's serving central office. When trunks are served from other than the MSP's normal serving central office, appropriate mileage rates apply as per this *Guidebook* for voice grade service or the Private Line *Guidebook* for DS1 service. (T)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.4 BellSouth CMRS Type 2 Interconnection

- A. A BellSouth CMRS Type 2A interconnection is a direct trunk connection between a CMRS's POT and the trunk side of an access tandem switch, and where traffic conditions warrant, a local tandem. The CMRS establishes connections to other end offices and other carriers through this type of interconnection.
- B. For purposes of this *Guidebook*, BellSouth CMRS Type 2A services are defined as trunk side connections to an access and, in some cases, local tandem offices that are four (4) wire circuits using only E&M supervision with multifrequency (MF) address pulsing, controlled by wink start operation, and transmission characteristics that comply with TR-EOP-000352. (T)
- C. BellSouth CMRS Type 2A service may be arranged for one-way inward (to the CMRS), one-way outward (from the CMRS) or two-way operation. When one-way inward or two-way operation is used, a dedicated NXX code is required.
- D. A BellSouth CMRS Type 2B interconnection is a direct trunk connection between a CMRS's POT and a Company end office. With BellSouth CMRS Type 2B interconnection the CMRS is able to establish connection through the Company's facilities only to and from those valid central office prefixes (NXXs) served by the end office at which the BellSouth CMRS Type 2B service is provided.
- E. For purposes of this *Guidebook*, BellSouth CMRS Type 2B services are defined as trunk side connections to an end office that are four (4) wire circuits using only E&M supervision with multifrequency (MF) address pulsing, controlled by wink start operation, and have transmission characteristics that comply with TR-EOP-000352. (T)
- F. Availability of the BellSouth CMRS Type 2A interconnection may be dependent upon the CMRS's agreement to provide message peg counts to permit billing of the surrogate usage rate as defined in A35.1.6.A. The Company agrees to protect the confidentiality of any billing or other information provided to it by a CMRS.
- G. The CMRS's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision, and shall, in all cases, comply with the technical interconnection specifications described in BellCore Technical Reference TR-NPL-000145 or subsequent Industry accepted revisions.
- H. A BellSouth CMRS Type 2 interconnection cannot be used to access Directory Assistance, Operator Services or 911 Service.
- I. For BellSouth CMRS Type 2A and BellSouth CMRS Type 2B interconnections mileage charges between the normal Company serving wire center and the tandem or end office apply as per this *Guidebook* for voice grade service or the Private Line *Guidebook* for DS1 service. (T)
- J. BellSouth CMRS Type 2A service may be optioned for Common Channel Signaling using Signaling System 7 (CCS7) protocols, hereafter referred to as BellSouth CMRS Type 2A-SS7. (M)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.4 BellSouth CMRS Type 2 Interconnection (Cont'd)

- K.** Conversion from BellSouth CMRS Type 1 Interconnection to BellSouth CMRS Type 2A-SS7 (T)
1. If the CMRS subscribes to DS1 transport service and converts from BellSouth CMRS Type 1 interconnection to BellSouth CMRS Type 2A-SS7 interconnection with a minimum service period of 48 months, the Company will waive all nonrecurring charges associated with re-homing the existing DS1 transport facilities to our tandem office. The Company will also waive the nonrecurring charges associated with the required movement of dedicated NXXs in this conversion. (M)
 2. If the CMRS subscribes to DS1 transport service and converts from BellSouth CMRS Type 1 interconnection to BellSouth CMRS Type 2A-SS7 interconnection with a minimum service period of 24 months, the Company will waive 50 percent of the nonrecurring charges associated with re-homing the existing DS1 transport facilities to our tandem office. The Company will also waive 50 percent of the nonrecurring charges associated with the required movement of dedicated NXXs in this conversion.
 3. To receive this waiver of nonrecurring charges, CMRS's that are technically able to establish a connection to a Company tandem via BellSouth CMRS Type 2A-SS7 service must place an order for this conversion within 120 days of August 29, 1995 with implementation completed within six months of the request.
 CMRS's that are not technically able to establish a connection to a Company tandem via BellSouth CMRS Type 2A-SS7 service, due to the type of equipment they utilize, must provide the Company a Letter of Intent within 120 days of August 29, 1995. The Letter of Intent should state that they will place an order for this connection and should include an explanation of why their equipment is currently not able to interconnect with the Company via BellSouth CMRS Type 2A-SS7. The CMRS must then place a firm order for this conversion within 120 days after the date of the Letter of Intent with implementation completed within six months of the firm order.
 4. The BellSouth CMRS Type 2A-SS7 service, provisioned in this manner, will be subject to any approved rate adjustments during this minimum service period.
 5. In the event that all or any part of the CMRS's BellSouth CMRS Type 2A-SS7 service converted in this manner is disconnected at the CMRS's request prior to expiration of this minimum service period, the CMRS will be required to pay a termination charge.
 6. The termination charge is applicable at the date of termination. The charge depends on the minimum service period chosen and will be equal to the number of months remaining in the minimum service period times the CMRS's monthly facility rates for this service.
- L.** When BellSouth CMRS Type 2A-SS7 service is in use, all Public Service Commission and/or legislative requirements for blocking of Calling Party Number and/or Automatic Number Identification becomes the responsibility of the subscribing CMRS. Any failure of the CMRS to implement appropriate blocking measures will be considered cause for the Company to immediately disconnect the BellSouth CMRS Type 2A-SS7 service.
- M.** Type BellSouth CMRS Type 2A-SS7 service allows the CMRS to subscribe to CCSIMT service from Section A35. in order to connect the CMRS's signaling network to the Company's signaling network.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.5 Summary of Connections and Options Available to Mobile Service Providers

A. Following is a matrix showing the options available to MSPs for each type of interconnection facility.

CONNECTION TYPE	SUPERVISION OPTIONS				ADDRESS PULSING OPTIONS			DIRECTIONALITY OPTIONS		
	LOOP START.	GND. START.	REV. BATT.	E&M	DP	DTMF	MF	1-WAY INWARD	1-WAY OUTWARD	2-WAY COMB.
MSP LINES	X				X	X				X
MSP TRUNKS (2-way & 1-way outward)	X	X			X	X			X	X
MSP TRUNKS (1-way inward)			X		X	X	X	X		
TYPE 1				X			X	X	X	X
TYPE 2A				X			X	X	X	X
TYPE 2B				X			X	X	X	X

1. All services may use either an analog or digital interface.
2. Connection types and options are available only in suitably equipped offices.
3. Combinations of connection types and options other than those listed above may be provided via the special assembly process described in Section A5. (T)
4. Address pulsing options for BellSouth CMRS Local Loop Lines and BellSouth CMRS Local Loop Trunks (two-way and one-way outward) are applicable only for outward (from the MSP) calls only. With these facilities, the MSP is alerted to an incoming call by a 20Hz ringing signal.
5. Technical specifications for BellSouth CMRS Local Loop Trunks are contained in Bellcore Technical References PUB 61100 and TR-NPL-000275. Those circuits have transmission characteristics that do not exceed a nominal loss of 5dB.
6. Technical specifications for BellSouth CMRS Type 1, 2A, and 2B circuits are contained in Bellcore Technical Reference TR-NPL-000145. Transmission specifications for these connections are contained in Bellcore Technical Reference TR-EOP-000352.

B. BellSouth CMRS Type 1 and BellSouth CMRS Type 2 Circuit Direction - Voice Grade Facilities

	Nonrecurring Charge	Monthly Rate	USOC BSVBC BSVBI
(a) Two-way	\$-	\$-	
(b) One-way Inward (C.O. to MSP)	-	-	

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.6 Rates and Charges (Cont'd)

A. Voice Grade Service (Cont'd)

4. Interoffice channels^{1,2}

	Nonrecurring Charge	Monthly Rate	USOC
(a) 0 thru 8 miles, fixed charge (per channel)	\$89.00	\$28.50	BSVEN
(b) 0 thru 8 miles, per airline mile or fraction thereof	-	1.65	BSVEN
(c) 9 thru 25 miles, fixed charge (per channel)	89.00	28.50	BSVEN
(d) 9 thru 25 miles, per airline mile or fraction thereof	-	1.60	BSVEN
(e) Over 25 miles, fixed charge (per channel)	89.00	28.50	BSVEN
(f) Over 25 miles, per airline mile or fraction thereof	-	1.55	BSVEN

B. DS1 Service³

1. Twenty-four (24) Voice Equivalent Channels

a. Facilities

- (1) Facilities are provided at the rates specified for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as described following, MegaLink service, MegaLink Light service or LightGate service (a.k.a. BellSouth SPA Point to Point Network), as specified in B7. of the Private Line *Guidebook*. Note that the service establishment fee for MegaLink service and MegaLink Light service is applicable. SMARTRing service(a.k.a. BellSouth SPA Dedicated Ring) as described following or LightGate service (a.k.a. BellSouth SPA Point to Point Network) from the Company's F.C.C. No. 1 Tariff, Section 7, may also be utilized. (T)
- (2) SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section B7. of the Private Line *Guidebook* as of October 31, 1995 may also be utilized. If additions or changes are subsequently made to SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) in Section B7. of the intrastate Private Line *Guidebook*, then SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) with the additions or changes will become available for use in this *Guidebook* thirty days after the effective date of those changes in Section B7. of the Private Line *Guidebook*. (T)

b. Trunk termination

(1) At the Company switch

(a) Analog or Digital Company switch	60.00	139.00	UTQ
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Note 1: Interoffice channels are required when the carrier requests connection to a wire center which is not the normal serving wire center for the carrier location.

Note 2: Only one mileage band applies per interoffice channel.

Note 3: DS1 service denotes twenty-four voice grade channels encoded at 1.544 Mbps in accordance with the North American hierarchy of digital signal levels.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.6 Rates and Charges (Cont'd)

B. DS1 Service¹ (Cont'd)

2. Less than Twenty-four (24) Voice Equivalent Channels

a. Facilities

- (1) Facilities are provided at the rates specified for SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as described following, MegaLink service, MegaLink Light service or LightGate service (a.k.a. BellSouth SPA Point to Point Network), as specified in B7. of the Private Line *Guidebook*. Note that the service establishment fee for MegaLink service and MegaLink Light service is applicable. SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as described following or LightGate service (a.k.a. BellSouth SPA Point to Point Network) from the Company's F.C.C. No. 1 Tariff, Section 7, may also be utilized. (T)
- (2) SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) as provided in Section B7. of the Private Line *Guidebook* as of October 31, 1995 may also be utilized. If additions or changes are subsequently made to SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) in Section B7. of the intrastate Private Line *Guidebook*, then SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) with the additions or changes will become available for use in this *Guidebook* thirty days after the effective date of those changes in Section B7. of the Private Line *Guidebook*. (T)

b. Channelization

- (1) Channelization is provided at the rates specified for MegaLink channel service, per B7.3 of the Private Line *Guidebook*, to include a basic system of twenty-four channels at the central office, plus feature activation charges at the central office for the number of channels ordered. (T)

C. Network Usage²

1. The following usage charges apply to all BellSouth CMRS Type 1, BellSouth CMRS Type 2A, BellSouth CMRS Local Loop Lines and BellSouth CMRS Local Loop Trunks Mobile originated intraLATA calls. The minutes of use or portion thereof for each call will be accumulated for the monthly billing period and the total rounded to the nearest minute. The usage charges will be billed based on the rounded total monthly minutes.

Note 1: DS1 service denotes twenty-four voice grade channels encoded at 1.544 Mbps in accordance with the North American hierarchy of digital signal levels.

Note 2: Where a Company tandem office is not equipped to record the usage detail, the interim method of obtaining data necessary to bill usage through the tandem office requires the mobile service provider to furnish monthly message count data to the Company. The assumptions used by the Company in calculating the usage charges follow:

- a. average holding time per message = two minutes
- b. 70 percent of messages occur during peak rate period
- c. 30 percent of messages occur during off-peak rate period

The interim method will remain in effect until Company tandem offices have the capability to record usage detail.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.6 Rates and Charges (Cont'd)

C. Network Usage¹ (Cont'd)

1. (Cont'd)

	PEAK	OFF-PEAK	USOC
(a) Per access minute of use	\$.0204	\$.0150	NA

2. Calls placed in the following listed time periods are considered to be Off-Peak:

TIME

All Days, 8:00 P.M. - 9:00 A.M.

Saturdays & Sundays 9:00 A.M. - 8:00 P.M.

3. An optional Land-to-Mobile (LTM) calling plan² is available to the MSP's. The LTM option allows intraLATA direct dialed long distance calls and expanded Local Calling Area calls from telephone numbers served by the Company and terminating in an MSP network to be excluded from originating customer's bill. Expanded Local Calling Area calls are calls rated as local but outside of the basic Local Calling Area as described in A3.3. Additionally, the LTM option applies to sent-paid intraLATA tolls calls and expanded Local Calling Area calls originating from Company Owned Pay Telephones and non-Local Exchange Company Pay Telephones located within the Company's service territory if such calls terminate in an MSP network. The applicable local message charge per Section A7. will apply to end users originating LTM calls from pay telephones. This service may be requested on a LATA wide basis or on individual selected exchanges (Optional Selective Exchange (LTM) Calling Plan). (T)

Note 1: Where a Company tandem office is not equipped to record the usage detail, the interim method of obtaining data necessary to bill usage through the tandem office requires the mobile service provider to furnish monthly message count data to the Company. The assumptions used by the Company in calculating the usage charges follow:

- a. average holding time per message = two minutes
- b. 70 percent of messages occur during peak rate period
- c. 30 percent of messages occur during off-peak rate period

The interim method will remain in effect until Company tandem offices have the capability to record usage detail.

Note 2: The LTM calling plan requires that an MSP dedicate an entire NXX for this option. On a quarterly basis, beginning 1/1/96, a list of the LTM dedicated NXXs will be provided to the Independent Payphone Providers. The initial report will contain a complete list of all working LTM NXXs and projected activity for the next quarter. Subsequent reports will detail a six-month period consisting of actual LTM activity for the previous quarter and projected activity for the ensuing quarter. Each report will include the LTM NXX code, implementation date, and the LATA serving the NXX. New Independent Payphone Providers will be provided a complete list of all LTM NXXs when service is initially provided. Additionally, a minimum charge per call of \$.0145 is applicable. That is, if the average charge per call for a billing period is less than \$.0145, the usage will be computed as if all calls were \$.0145.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.6 Rates and Charges (Cont'd)

E. Mobile Service Provider (MSP) Inward Dialing Capability

1. The following charges are applicable for BellSouth CMRS Type 1 circuits and BellSouth CMRS Local Loop Trunks only.

	Monthly Rate	USOC NADAA
(a) Per Group of 1000 numbers activated from a dedicated NXX	\$0.30	
(b) Per Group of 100 numbers activated from a dedicated NXX	0.03	B10
(c) Per Group of 100 numbers activated from a dedicated NXX with a scope of less than 100 numbers	0.03	B12
	Nonrecurring Charge	Monthly Rate
(d) Per group of 100 numbers, ¹ shared NXX	-	\$0.03
(e) Per group of 20 numbers, ¹ shared NXX	-	0.006

**USOC
NADAA
B10
B12
BSV1A
NDX**

F. Facilities between MSP switching/control locations and/or remote transmitter/receiver sites.

See appropriate *Guidebook* Section of Private Line Services, or may be provided via the Special Assembly process.

(T)

G. Mobile Service Provider (MSP) 800 Service to Direct Inward Dialing (DID)

1. The following charges provide for the establishment of an intraLATA 800 Service with Direct Inward Dialing (DID) capability on 800 Service Access Trunks using ten digit screening. This arrangement will also allow interLATA 800 calls to be completed by subscription to the services of a properly certificated Interexchange Carrier utilizing the Company provided screening.

(a) 800 Service Access Trunk ²	-	-	LWZSQ
(b) 800 Service Access Trunk, ³ on High Capacity (a.k.a. BellSouth High Capacity)	-	-	WHMS+
(c) 800 Service Network Usage ⁴	-	-	NA
(d) 800 Service DID trunk terminations ⁵	90.00	21.80	NDW

Note 1: Numbers provided at this rate are sequential within a number group.

Note 2: 800 Access Trunk rate is the same as the 800 Access Line rate displayed in Section A19. (USOC: for RCC application LWZSQ is equivalent to 8L9++).

Note 3: 800 Service Access Trunk rate for use on High Capacity (a.k.a. BellSouth High Capacity) facilities is the same as the 800 Service Access Line on High Capacity facilities rate found in Section A19. (USOC: For RCC application, WHMS+ is equivalent to WH9T+).

Note 4: Rates and charges for the 800 usage as specified in Section A19. apply.

(T)

Note 5: The subscriber to this DID 800 Service will be required to maintain an adequate number of trunks (transmission paths) as determined by the Company in order to provide quality grade of service and prevent network degradation.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.3 Operator Services Interconnection

A35.3.1 Service Description

- A. Operator Services Interconnection (OSI) provides a connection between a Mobile Service Provider's (MSP's) switching equipment and a Traffic Operator Position System (TOPS) tandem switch. This interconnection will provide a direct transmission path to the Company's TOPS tandem switches. These Operator Services switches provide access to alternate billing services, Directory Assistance (DA) services, Directory Assistance/Directory Assistance Call Completion (DA/DACC) and general assistance services.
- B. This interconnection circuit will be one-way outward (MSP to TOPS tandem) only.
- C. At this time, the only service being offered via this interconnection is Directory Assistance/Directory Assistance Call Completion (DA/DACC) as specified in A3.25. (T)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.3 Operator Services Interconnection (Cont'd)

A35.3.2 General

- A. Operator Services Interconnection (OSI) is provided by the Company where facilities and operating conditions permit.
- B. Except as noted, services provided in this sub-section are subject to all general *terms and conditions* applicable to the provisioning of service by the Company as stated in Section A2. (T)
- C. The appropriate service charges in Section A4. apply to the establishment and rearrangement of service provided under this sub-section. In addition, the nonrecurring charges specified in A35.3.5 shall apply for connection of service or rearrangements.
- D. The rates contained in this offering contemplate the use of standard serving arrangements normally provided by the Company. Non-standard facility requirements, equipment, or service options may be requested via the special assembly process as defined in Section A5. (T)
- E. The services provided under this *Guidebook* shall be used by the MSP only for the handling of traffic originating on the MSP's network in conjunction with its authorized services. (T)
- F. Billing disputes must be communicated to the Company in writing within thirty days from the billing date. The Company will make every effort to investigate such disputes and reconcile any differences within thirty days from receipt of such notification. If the billing amount is found to be correct, a late payment charge may be applicable, per Section A2. (T)
- G. The conditions and rates specified in other *guidebooks* for services which may be associated with Operator Services Interconnection are in addition to those specified herein. (T)
- H. Usage charges for mobile originated calls, as specified in A35.1.6.C. preceding, apply to DACC calls completed over this interconnection.

A35.3.3 Obligations of the Mobile Service Provider (MSP)

- A. The MSP's switch must be capable of using Operator Services System signaling as described in Bellcore document TR-TSY-000506.
- B. A screening telephone number must be provided by the MSP for Operator Services Interconnection. The MSP may use a telephone number from an existing dedicated NXX. The chosen telephone number can only then be used in the provisioning of this service.

A35.3.4 Application of Rates

- A. Operator Services Interconnection is comprised of a distance-sensitive facility rate from the MSP's premises to the MSP's serving wire center and a trunk termination rate for terminating equipment located at the TOPS switch. MSP Usage charges will apply for DACC completed calls. Other applicable charges will apply for general operator assisted calls.
- B. Operator Services Interconnection is only available in twenty-four channel increments.
- C. MegaLink service, MegaLink Light service and LightGate service (a.k.a. BellSouth SPA Point to Point Network) from Section B7. of the Private Line *Guidebook* are used to rate the facilities used for Operator Services Interconnection. The terms and conditions which apply for those services apply here, including the application of any service establishment charges. (T)(M)

A35.3.5 Rates and Charges (M)

- A. Facilities (M)
 - 1. The following facility rates apply: (M)
 - a. Rates for digital private line services (MegaLink service, MegaLink Light service or LightGate service (a.k.a. BellSouth SPA Point to Point Network), as provided in Section B7. of the Private Line *Guidebook* apply from the MSP's premises to the MSP's serving wire center. (T)(M)
- B. Equipment Termination (M)
 - 1. Digital Trunk Termination, per DS1 (M)

	Nonrecurring Charge	Monthly Rate	USOC OSNET	
(a) At Company TOPS Tandem Switch	\$-	\$86.70	OSNET	(M)

A35. INTERCONNECTION OF MOBILE SERVICES

(M)

A35.4 OPTITALK Service

A35.4.1 Service Description

- A. OPTITALK service will be provided on an intraLATA point-to-point basis within the Company's franchised service area subject to transmission and/or design limitations. This service allows the Mobile Service Providers (MSPs) to connect cell sites together through fiber facilities and optical equipment.
- B. Subject to transmission and/or design limitations and applicable network disclosure obligations, the specific type of optical equipment used to provide OPTITALK service will be selected by the MSP from those listed in C. following.
- C. In order to offer the MSP a variety of alternatives for the MSP's customer provided equipment, the Company offers the following choices of optical equipment configurations, in conformance with the noted network interfaces. Included in all of these is an Optical Transceiver Unit (OTU). This unit provides RF-to-optics conversion for the forward (transmit) direction and optics-to-RF for the reverse (receive) direction.
 - 1. Optical equipment compliant with BST Technical Reference 73567, Wideband Analog Transport Microcell Optical Link Service - Type B Arrangement. (E.g., the AT&T Autoplex 1000 system.)
 - 2. Optical equipment compliant with BST Technical Reference 73588, Wideband Analog Transport Microcell Optical Link Service - Type C Arrangement. (E.g., the ADC Kentrox CityCell system.)
 - 3. Optical equipment compliant with BST Technical Reference 73589, Wideband Analog Transport Microcell Optical Link Service - Type D Arrangement. (E.g., the Peninsula LC-800 Lightwave microcell system.)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.4 OPTITALK Service (Cont'd)

A35.4.2 General

- A. This service is available, at the discretion of the Company, where facilities and/or right-of-way considerations permit.
- B. Except as specifically noted otherwise, services provided in this sub-section are subject to all general *terms and conditions* applicable to the provisioning of service by the Company as stated in Section B2. of the Private Line *Guidebook*. (T)
- C. The service provided under this *Guidebook* shall be used by the MSP only for the handling of traffic on the MSP's network in conjunction with its authorized services. (T)
- D. The rates contained in this offering contemplate the use of serving arrangements described in this *Guidebook*. Other facility requirements, equipment, or service options may be requested via the special assembly process as defined in Section A5. (T)
- E. Billing disputes must be communicated to the Company in writing within thirty days from the billing date. The Company will make every effort to investigate such disputes and reconcile any differences within thirty days from receipt of such notification. If the billing amount is found to be correct, a late payment charge may be applicable, per Section A2. (T)
- F. Responsibilities of the Company
 1. The Company will install, maintain and repair the fiber facilities and the optical equipment necessary to provide OPTITALK service.
 2. The Company will establish two network interface points for this service. The network interface at the host cell site is described as "Network Interface 'A'" in the aforementioned Technical References. The network interface at the remote microcell site is described as "Network Interface 'B'" in the aforementioned Technical References.
 3. Where this service is to be established at a location that would involve undue hazards, or where accessibility is impracticable to employees of the Company, the MSP may be required to install and maintain the Company's equipment and facilities in a manner satisfactory to the Company.
 4. The Company is only responsible for testing and verifying the installed fiber facilities.
- G. Responsibility of the MSP
 1. The MSP will install, maintain and repair all of its equipment and will monitor the optical equipment and fiber facilities installed by the Company. The MSP will be responsible for all power and monitoring functions for all equipment at the host and remote cell sites. The MSP will be responsible for notifying the Company of any troubles in the optical equipment and/or fiber facilities which require repair service.
 2. The MSP must be prepared to activate its portion of the service in a timely manner on the negotiated date and to provide testing equipment and personnel to support installation requirements, as may be necessary.
 3. The MSP must provide Company employees reasonable access to its equipment at the host and remote cell sites.
 4. The MSP must arrange for and provide equipment space and location assignment for Company equipment required to support the service at the cell sites.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.4 OPTITALK Service (Cont'd)

A35.4.2 General (Cont'd)

- H. Billing for the service will begin on the service date. The MSP may cancel the service request or change the service date prior to the service date by notifying the Company in writing. If the MSP cancels the service request, the MSP is required to reimburse the Company for expenses already incurred as specified in B2.4.14 of the Private Line *Guidebook* for LightGate service (a.k.a. BellSouth SPA Point to Point Network). (T)
- I. The Company will assist the MSP in resolving any installation or day-to-day problems. However, dispatches to the MSP premises caused by MSP equipment troubles will result in Trouble Location Charges to the MSP as specified in B2.6.12 of the Private Line *Guidebook*. (T)
- J. Compatibility information for interconnection to the Company's fiber optics equipment and facilities is described in Technical References TR 73567, TR 73588 and TR 73589.

A35.4.3 Application of Rates

- A. OPTITALK service is comprised of a distance sensitive facility rate from one cell site to another cell site and a rate for optical equipment.
- B. When the host cell site and the remote cell site are on the same feeder distribution route, a single local channel will be billed, with the airline mileage being computed between the host and remote cell sites.
- C. When the host cell site and the remote cell site are not on the same feeder distribution route, two local channels will be billed, one for the airline distance between the host cell site and its serving wire center, and another for the airline distance between the remote cell site and its serving wire center.
- D. If an MSP subscribes to Option 2 for the optical equipment, the optical equipment may be moved anywhere within the LATA for a period of four years from the initial service date. A nonrecurring move charge for Option 2 will apply. Revised facility rates will apply at the new location.
At the time the Option 2 optical equipment has surpassed four years from its in-service date, any subsequent re-arrangement of the optical equipment will be treated as a disconnect for rate purposes.
- E. In order to avoid major rearrangements and to maximize utilization of fiber plant, the Company may design the fiber facilities used for OPTITALK service to loop through a central office. Any choices made as to the routing of fiber cable facilities or choices made as to whether the fiber facilities used will be from existing fiber feeder routes or new facilities will be at the discretion of the Company.
- F. When special construction of fiber cable is required, additional charges will apply as specified in Section A5. The customer will be notified of any special construction charges required for this service prior to the MSP establishing a firm commitment for this service. (T)

A35.4.4 Rates and Charges

- A. Optical Equipment
 - 1. Type B Interface

	Nonrecurring Charge	Monthly Rate	USOC OPTT1
(a) Optical Transceiver Unit, Option 1	\$385.00	\$676.00	

A35. INTERCONNECTION OF MOBILE SERVICES

A35.5 Connection of Commercial Mobile Radio Service Providers to E911 Services

A35.5.1 Service Description

- A. This service provides connection between a CMRS's providers network and the Company's Universal Emergency Number Service - 911 (hereafter referred to as "911 service") network. This service is used by the CMRS exclusively to route calls from the CMRS's customers trying to access emergency 911 service. Three service arrangements are available;
1. The Feature Group D Interconnection will allow the CMRS provider to pass wireless 9-1-1 calls to the BellSouth E911 tandem with voice, P-ANI and call back number (CBN) of the caller for Phase 1 compliance. The BellSouth E911 tandem will pass the data to the ALI hosts for subsequent delivery to the PSAP. This service arrangement requires that the serving E911 tandem(s) be DMS, equipped with the Wireless Interconnection Solution (WLS911).
 2. The CAMA Interconnection will allow the CMRS provider to pass wireless 911 calls with voice and P-ANI to the BellSouth E911 tandem, for delivery to the PSAP. The CMRS provider will need to establish Non Callpath Associated Signaling (NCAS) links to the ALI hosts to dynamically provide the P-ANI and call back number (CBN) of the caller for each wireless 911 call. These NCAS links described above are not a part of this *guidebook*. (T)
 3. The SS7/ISUP Interconnection will allow the CMRS provider to pass wireless 911 calls as described in numbers 1 and 2 above, respectively, but allows the use of SS7 supported dedicated trunking (using ISUP signaling as defined in Telcordia GR-2956-Core, CCS/SS7 Generic Requirements in support of E911) instead of CAMA or Feature Group D. If service arrangement 2. preceding is chosen, the CMRS provider will still need to establish Non-Callpath Associated Signaling (NCAS) links to the ALI hosts to dynamically provide the P-ANI and call back number (CBN) of the caller for each wireless 911 call. These NCAS links described above are not a part of this *guidebook*. (T)
- B. The Company's 911 tandem switch will receive a Pseudo Automatic Number Identification (P-ANI) signal from the CMRS. The Company's 911 tandem switch (established as part of an Emergency Reporting Service from A13.27) will use the P-ANI to direct the 911 call to a Public Safety Answering Point (PSAP) predetermined by the CMRS provider and the PSAP. (T)
- C. *The Company* provides fault-tolerant and redundant ALI (Automatic Location Identification) computers for high availability service to the PSAPs. *The Company's* ALI computers are designed to function as mated pairs for redundancy. Each PSAP served by these ALI computers has a data link to each of the mated pairs. The ALI computers are located in different *Company* data centers in different states to provide diversity. PSAP bids, or request, for ALI are sent over both data links simultaneously. The mated ALI computers contain mirrored databases at each location and alternate responding to the PSAP. In the event a data circuit or an ALI computer is unavailable, the system is designed to provide continuous service from the other ALI computer in the paired arrangement. (T)
- D. The E911 database consist of data records provided by various service providers located within the BellSouth E911 service area. Each service provider, including the CMRS, are responsible for providing their data records for the BellSouth E911 database. These records must be present in the BellSouth E911 database for the Real-Time Data Interface to function properly. CMRS records in the E911 database contain static cell site sector location information that will assist the PSAP in determining the general location of the 911 caller. These static records do not contain the Mobile Directory Number (MDN) of the caller when initially inserted into the database. The MDN information is populated dynamically in the BellSouth E911 database during the call processing. Information for providing data for the BellSouth E911 database may be found in the BellSouth E911 Wireless Carrier Guide available from BellSouth Interconnection Services.
- E. The BellSouth E911 System and ALI computers support different application level protocols for accepting Phase 1 CMRS E911 real-time updates. CMRSs wishing to use one of the supported interfaces must ensure compatibility with the solution provider as well as *the Company's* contracted vendor managing the ALI database. *The Company's* supported solutions are listed in TR 73610. Detailed application level specifications for these solutions are available directly from each of the respective manufacturer. (T)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.5 Connection of Commercial Mobile Radio Service Providers to E911 Services (Cont'd)

A35.5.2 General

- A. This service is furnished to the CMRSs only for the purposes of reporting emergencies by the CMRS's subscriber.
- B. This service is offered solely as an aid in handling calls in connection with fire, police and other emergencies and does not create any relationship or obligation, direct or indirect, to any person other than the CMRS subscribing to the service.
- C. The Company does not undertake to answer and forward 911 calls, but furnishes the use of its facilities to enable the CMRS to direct calls to the appropriate PSAP in locations where government authorities or their authorized agents have subscribed to 911 service.
- D. Except as noted, services provided in this sub-section are subject to all general *terms and conditions* applicable to the provisioning of service by the Company as stated in Section A2. (T)
- E. The appropriate service charges in Section A4. apply to the establishment and rearrangement of service provided under this sub-section. In addition, the nonrecurring charges specified in A35.5.5 following shall apply for connection of service or rearrangement. (T)
- F. The rates contained in this offering contemplate the use of standard serving arrangements normally provided by the Company. These rates contemplate installation during normal work hours. Non-standard facilities requirements, equipment, service options or installation requirements may be requested via processes defined in Section A5. (T)
- G. The conditions and rates specified in other *guidebooks* for services which may be associated with this service are in addition to those specified herein. (T)

A35. INTERCONNECTION OF MOBILE SERVICES

A35.5 Connection of Commercial Mobile Radio Service Providers to E911 Services (Cont'd)

A35.5.3 Obligations of the CMRS

- A. It is the sole responsibility of the CMRS to subscribe to a sufficient number of channels to handle the 911 emergency calls from the CMRS' customers. The quantity should be determined based on achieving parity with wireline E911 calls by providing a P.01 grade of service.
- B. The CMRS will work with the government authorities who subscribe to 911 service and with the Company or any other provider of 911 service to populate any associated database which is used to provide Enhanced Universal Emergency Number (911) service or equivalent.
- C. The CMRS will map Pseudo ANI to antenna RF coverage to identify the geographic location of the CMRS customer originating the 911 call. These assigned telephone numbers will then be passed to the Company 911 tandem as an ANI signal.
- D. The CMRS must populate the Company E911 database with valid cell site sector location records using assigned P-ANI numbers as well as provide for real-time update interface to populate the MDN or call-back number of the CMRS caller as described under Service Description.
- E. For the CAMA service arrangement described under Service Description, it is the CMRS's responsibility to obtain the data circuits to Real-Time ALI Data Interface. *The Company* can provide intraLATA transport, however, if the circuits are interLATA the CMRS must arrange to transport the circuit across the LATA boundary. (T)

A35.5.4 Application of Rates

The Feature Group D Commercial Mobile Radio (CMRS) Service Arrangement - Direct Routing, allows a Wireless Carrier to become Phase 1 compliant with FCC Mandate Report and Order 94-102. The mandate requires Wireless Carriers to pass wireless 911 calls to the correct Public Safety Answering Point (PSAP), identify the wireless subscriber's callback number and identify the cell site/sector originating the 911 call. This Service Arrangement provides Wireless Carriers with a turnkey Phase 1 network solution.

A35.5.5 Rates and Charges

- A. BellSouth CMRS E911 Direct Routing
 - 1. E911 tandem connected

	Nonrecurring Charge	Monthly Rate	USOC
(a) Each	\$15,576.00	\$1,504.00	MR9PC

A40. FAST PACKET TRANSPORT SERVICES

A40.5 Broadband Line Service

A40.5.1 General

- A. Broadband Line Service provides the customer with a local connection to high speed frame or cell-based switched services.
- B. Broadband Line Service is available under options. Rates, charges, terms and conditions specific to these options are in later subsections of this Guidebook section. The Fast Packet Option is described in A40.5.3 following.
- C. Network interface specifications for Broadband Line Service are contained in Technical Reference 73590. This publication is available from: (T)
 - (DELETED) (D)
 - Documentation Operations
 - 20th Floor
 - 600 North 19th Street
 - Birmingham, AL 35203
- D. Broadband Line Service, as provided for in this Guidebook section, is offered for intraLATA use only and may not be utilized to connect to a Class 5 office for use in local exchange service transmissions.
- E. The terms, conditions and rates specified herein are in addition to the applicable terms, conditions and rates specified in other sections of this and other Guidebooks of the Company.
- F. The rates and charges set forth for Broadband Line Service provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply as set forth in Section A5.

A40.5.2 Terms and Conditions

- A. Explanation of Terms
 - 1. Broadband Line
 - The link from the customer's premises to the customer's Serving Wire Center.

A40. FAST PACKET TRANSPORT SERVICES

A40.5 Broadband Line Service (Cont'd)

A40.5.3 Fast Packet Option (FPO) (Cont'd)

A. General (Cont'd)

4. The Broadband Line Extension-FPO may be used by the customer for other specific functions besides connecting the customer's Serving Wire Center to a Serving Area Point such as specified in A40.1.2.C.5.a and A40.8.2.C.4.a.
Also, when the Fast Packet Option is provided in association with MegaLink channel service to connect customer locations to Frame Relay Service or ATM Structured Circuit Emulation Service, the Broadband Line Extension-FPO may be used. This use occurs if the Central Office where the channelization is performed for MegaLink channel service is not a Frame Relay Service or ATM Service Serving Area Point, then a Broadband Line Extension-FPO is required to connect the Central Office where the channelization occurs to the closest Serving Area Point.
5. The Company is authorized to provide the Fast Packet Option for use in application testing subject to the **terms and conditions** set forth in A2.5.11. Up to 4 Broadband Line-FPOs and/or Broadband Line Extension-FPOs may be utilized in a typical applications test configuration. The Company is authorized to deviate from this average in order to fully participate in an applications test with a customer which cannot otherwise be performed to the customer's satisfaction. Application testing is not available for 44.210 Mbps, 149.760 Mbps, or 599.040 Mbps Broadband Lines and Extensions. (T)
6. The Fast Packet Option may be provided in association with MegaLink channel service to connect a customer location to Frame Relay Service. Rates, **terms, conditions**, and charges for MegaLink channel service are provided in B7.3 of the Private Line **Guidebook**. DS1 facilities being channelized via MegaLink channel service to be associated with the Fast Packet Option must be provisioned with Bipolar with 8 Zero Substitution (B8ZS) and Extended Superframe (ESF) if such service is to support a customer connection that is 64 Kbps or a higher speed that is a multiple of 64 Kbps. (T)
7. The Fast Packet Option operating at a transmission speed of 1.536 Mbps must be provisioned with Bipolar with 8 Zero Substitution (B8ZS) and Extended Superframe (ESF) if such service is to support a customer connection that is 64 Kbps or a higher speed that is a multiple of 64 Kbps.
8. If, prior to fulfilling the period of a contract plan, the customer requests a change in transmission speed on a Fast Packet Option (to a higher or lower speed), a Termination Liability Charge will not be applied, if at the date of termination the applicable conditions set forth in A40.10.4.B. are satisfied.
Prior to fulfilling the period of a contract plan, the customer may request a change 1) to a lower speed ATM IMA Customer Connection, 2) to a lower speed Frame Relay MultiLink Customer Connection or 3) from an ATM IMA or Frame Relay MultiLink Customer Connection to an ATM or Frame Relay Subrate T3 or 44.210 Mbps Customer Connection (all of which will require the disconnect of a quantity of 1.536 Mbps Broadband Line Services). A Termination Liability Charge will not be applicable for such requests, if at the date of termination the applicable conditions set forth in A40.10.4.B are satisfied.
9. One-half of the nonrecurring charge(s) for the applicable rate elements in A40.5.3.B.1. and A40.5.3.B.2. following apply if the customer requests a change in transmission speed on a Fast Packet Option (to a higher or lower speed).
10. Contract Plans
 - a. Contract Plans are available under conditions specified in the Fast Packet Services Payment Plan in Section A40. with contract periods described as follows:
 - (1) Term Payment Plan A - payment periods may be selected from 12 to 36 months.
 - (2) Term Payment Plan B - payment periods may be selected from 37 to 60 months
11. The Fast Packet Option may be provided in association with SMARTRing service to connect a customer location to Frame Relay Service or ATM Service. Rates, **terms, conditions**, and charges for SMARTRing service are provided in B7.7 of the Private Line **Guidebook**. (T)
12. The Fast Packet Option operating at a transmission speed of 149.760 Mbps or 599.040 Mbps is fiber optic based.

A40. FAST PACKET TRANSPORT SERVICES

A40.9 Miscellaneous Charges For Fast Packet Transport Services

A40.9.1 General

- A. The miscellaneous charges provided herein are only applicable to specific Fast Packet Transport Services if so indicated in that service's respective subsection of this *Guidebook* (e.g., the subsections governing Frame Relay Service, Broadband Line Service and ATM Service specifically indicate charges herein A40.9.1 are applicable). The *terms, conditions* and miscellaneous charges herein apply for customer requested changes of service installation¹ due dates and customer requested cancellation of service installation orders. *Terms, conditions* and miscellaneous charges herein do not apply for customer requested due date changes or cancellation requests which involve only non-design service such as the addition of features to existing service or a change to an existing feature (e.g., DLCIs, CIR, PVCs, SVCs, etc.). (T)

A40.9.2 Due Date Change Charges

- A. Upon customer request, the due date for service installation may be changed after an initial service order is issued.
- B. When the customer requests a new due date for service installation, the customer will not be charged for the first such due date change request. For each subsequent request(s) for the due date to be changed, the customer will be billed a service installation Due Date Change Charge as set forth in D. following (except under the conditions provided in C.(1) following).
- C. When the customer requests a new due date for service installation that is 30 or more calendar days beyond the original due date for installation, the customer has the choice of the following options:
1. The service order is cancelled and charges set forth in A40.9.4 following will apply, or
 2. Billing for the service will commence on the 31st day beyond the original service date; if this is a subsequent request for the due date to be changed, the service installation Due Date Change Charge will also apply.
- D. The Due Date Change Charge will apply as specified in B. and C. preceding. The applicable charge is:
- (1) Due Date Change Charge

	Charge	USOC
(a) per request (after initial request)	\$ 200.00	FPTDD

A40.9.3 Expedite Request Charges

- A. Upon customer request, the Company will perform the work required to determine if a due date for a service installation can be provided that is in advance of the Company's stated standard installation interval for such service. Such requests shall be referred to as expedite requests, and all such requests shall incur an Expedite Request Charge whether or not the Company can meet the expedited due date desired by the customer. The Expedite Request Charge is in addition to all other applicable nonrecurring charges and applies on a per occurrence basis per service order. The applicable charge is:
- (1) Expedite Request Charge

	Charge	USOC
(a) per request	\$ 200.00	FPTER

Note 1: The term "service installation" as used herein is defined as a request involving designed service (i.e., a new service installation or a move or physical rearrangement of an existing service).

A40. FAST PACKET TRANSPORT SERVICES

A40.10 Fast Packet Services Payment Plan

A40.10.1 General

- A. The *terms and conditions* specified herein are applicable to specific services as indicated in each service's respective subsection of this Guidebook. All of these services are included in this Section (A40. - Fast Packet Transport Services). (T)
- B. Services furnished under the Fast Packet Services Payment Plan (Fast Packet SPP) are subject to all general *terms and conditions* applicable to the provision of service by the Company as stated elsewhere in this Guidebook except as noted herein. (T)
- C. The Fast Packet SPP is a payment plan which allows customers to pay fixed or variable rates for Fast Packet Transport Services over variable contractual payment periods. A specific monthly rate applies for the duration of each period. (T)
 Payment periods for each Fast Packet Transport Service will be described in that service's specific guidebook section. The following is an example of the manner in which those payment periods will be described. The following should also be used as a reference for any examples depicted in this Section (A40.10).
 - 1. Term Payment Plan A - payment periods may be selected from 12 months to 24 months in length, at 24 month rates and charges.
 - 2. Term Payment Plan B - payment periods may be selected from 25 months to 48 months in length, at 48 month rates and charges.¹
- D. When the customer orders service to be provided under a Fast Packet SPP arrangement, the customer must designate to the Company the payment plan and the service period desired, e.g. Term Payment Plan B and 36 months.

A40.10.2 Application of Rates and Charges

- A. Rates stabilized under a Fast Packet SPP arrangement are exempt from Company initiated increases, however, decreases to any rate element will automatically flow through to the customer.
- B. Termination Liability Charge
 - 1. In the event that all or any part of a service is disconnected at customer request prior to expiration of any selected payment period of greater than one month's duration, the customer will be required to pay a Termination Liability Charge unless specifically stated otherwise in that service's guidebook.
 - 2. The Termination Liability Charge is determined by multiplying the number of months remaining in the contract payment period by the contracted monthly rate by fifty percent (50%).
 - a. For example, a customer subscribes to a Fast Packet Transport Service using Term Payment Plan B and selects the 30 month payment period. After 12 months the customer chooses to terminate service. The Termination Liability Charge is calculated by multiplying 18 months (30 months - 12 months) by the monthly rate by fifty percent (50%).

Note 1: Effective November 15, 2013, customers may not establish new term plans greater than 36 months for BellSouth Metro Ethernet Service described in A40.13, and existing term plans greater than 36 months may not be renewed or extended for a term greater than 36 months.

A40. FAST PACKET TRANSPORT SERVICES

A40.10 Fast Packet Services Payment Plan (Cont'd)

A40.10.2 Application of Rates and Charges (Cont'd)

- C. When customers renew or change the length of their payment period, the rates applicable for the new period are those currently in effect at the time of the renewal or change in the length of the payment period. A service order charge will not be applicable for such renewals or changes to the payment period.
- D. Customer requests for inside moves of service will not affect the contract period.
- E. A change in jurisdiction will not constitute a disconnect of service provided the new Fast Packet SPP arrangement is at least the minimum number of months allowable under Term Payment Plan A (as defined in the Fast Packet Transport Service's specific *guidebook* section) or equals/exceeds the remaining service period, whichever is greater, provided the new Fast Packet SPP arrangement is for the same customer at the same location for the same capacity service. (T)

A40.10.3 Additions

- A. Additions of services or rate elements - e.g., Ports - must be under a new Fast Packet SPP arrangement at rates and charges as specified in A40.10.2 preceding.
- B. Termination charges for premature disconnection of added contractual services will apply as set forth under Disconnects in A40.10.4 following.
- C. Additions under Fast Packet SPP are exempt from Company-initiated rate changes for all payment periods longer than one month. However, decreases for any rate element will automatically flow through to the customer.
- D. Installation, service order, service establishment, and any other nonrecurring charges, as specified in this *Guidebook*, will apply to the added services. (T)

A40.10.4 Disconnects

- A. When a service or rate element, included under a Fast Packet SPP arrangement, is disconnected prior to expiration of the selected service period, Termination Liability Charges may apply as set forth in A40.10.2 preceding. Remaining services or rate elements will not be affected by such disconnections.
- B. When a *guidebook* service under a Fast Packet SPP arrangement is disconnected prior to the expiration of a selected service period as a result of a customer requested change of a FastPacket Transport Service which is specifically allowed without Termination Liability Charge as set forth in that service's *guidebook* or of a change of jurisdiction, Termination Liability Charges will not apply when: (T)
 - the completed service period is at least the minimum number of months allowable under the specific service's Term Payment Plan A or twenty-five percent of the length of the originally selected Fast Packet SPP service period, whichever is greater, and
 - the service period of the new Fast Packet SPP arrangement is at least the minimum number of months allowable under Term Payment Plan A (as defined in the service's specific *guidebook* section) or equals/exceeds the remaining service period of the disconnected arrangement, whichever is greater, and (T)
 - the service orders to install the new service and disconnect the old service are related together and there is no lapse in service between installation of the new service and disconnection of the existing, and
 - the service orders are for the same customer at the same location.

A40. FAST PACKET TRANSPORT SERVICES

A40.10 Fast Packet Services Payment Plan (Cont'd)

A40.10.6 Renewal Options (Cont'd)

- D. When a customer renews a Fast Packet SPP arrangement, the rates and charges in effect on the first day of service of the renewal will apply.
- E. Recognition of previous service will be given to customers who renew an existing Fast Packet SPP arrangement, for all associated rate elements at the same location(s), provided that the length of the new Fast Packet SPP arrangement is at least the minimum number of months allowable under Term Payment Plan A (as defined in the Fast Packet Transport Service's specific *guidebook* section) or equals/exceeds the remaining service period of the original Fast Packet SPP arrangement. (T)
- F. Recognition of previous service back to the actual service date will be given to month-to-month customers who convert to a Fast Packet SPP arrangement.
- G. To determine the appropriate Fast Packet SPP for the renewed arrangement, recognition of service will consist of the sum of months in service of the completed service arrangement and the sum of the months of the proposed service period of the Fast Packet SPP arrangement. For example, a Fast Packet SPP arrangement for a 24 month service period under Term Payment Plan A is renewed for 16 months with no changes at the end of the 24 month period. The sum of months for the completed and proposed service periods would equal 40 months and would be billed under Term Payment Plan B.

A40.10.7 Transfer of Service

- A. Service may be transferred to a new customer at the same location upon prior written concurrence by the new customer as specified in this *Guidebook*. This does not constitute a disconnect of service or a discontinuance of an existing Fast Packet SPP arrangement. The new customer will be subject to all provisions and equipment configurations currently in effect for the previous customer. *Terms and conditions* concerning transfer of service between subscribers as stated in other sections of this *Guidebook* also apply under Fast Packet SPP. (T)

A40.10.8 Deferred Payment

- A. Payment of nonrecurring charges for Fast Packet services with contract payment plans may be deferred over the length of the customer's payment period or a shorter period (in annual increments) subject to the conditions specified below:
 - 1. The charge to be deferred must be among the following types - Nonrecurring Charges, Service Establishment.
 - 2. The customer must select a payment period longer than one month.
 - 3. The total amount of nonrecurring charges as defined in A.1. preceding may be deferred.
 - 4. The minimum amount deferrable per Fast Packet SPP arrangement is \$2000.00.
 - 5. Interest on deferred amounts will be calculated at the rate set forth in the deferred payment agreement executed by the customer. The interest rate to be charged on deferred payments will be revised periodically by the Company. If, in the judgment of the Company, the maximum interest rate allowed by law is insufficient to cover the costs of providing the deferred payment option, the Company will suspend the availability of said option until such time as the costs of providing said option can be recovered through the applications of a lawful interest rate. Suspension of the deferred payment option will not affect customers who have executed a deferred payment agreement prior to the effective date of such suspension.
 - 6. The deferred charges (including interest) will be prorated on a monthly basis over the selected deferral period length.

A40. FAST PACKET TRANSPORT SERVICES

A40.10 Fast Packet Services Payment Plan (Cont'd)

A40.10.8 Deferred Payment (Cont'd)

A. (Cont'd)

7. All deferred charges must be paid in full when the customer:
 - Selects a payment period with an expiration date prior to the expiration date of the deferral period.
 - Disconnects service prior to expiration of the selected deferral period.
 - Fails to pay a monthly amount within thirty days of its due date.
 - Moves a service under Fast Packet SPP to another location in Company territory within the same state and jurisdiction, with the exception of an inside move.
8. The customer may prepay only the total outstanding deferred charges at any time during the selected deferral period. The customer will be given a credit for the amount of unearned interest. The customer may not prepay less than the total of the outstanding deferred charges.

A40.10.9 Prepayment

- A. For payment period longer than one month, the customer may prepay the total outstanding recurring monthly rates. The prepayment of monthly rates in no way constitutes a purchase and the Company retains full ownership of all services covered by the prepayment. The following conditions apply:
 1. Customers who prepay six months or more will have an allowance applied. The prepayment factor to be used for each month prepaid will be revised periodically by the Company.
 2. Monthly rates for all services covered by a single Letter of Election must be prepaid. Monthly rates must be prepaid for services added subsequently and placed on the same Letter of Election (i.e., customer-elected coterminous option) with a prepaid system.
 3. Customers who change the length of a prepaid payment period will be credited any unused portion of the prepayment, subject to termination charges as specified in A40.10.4 preceding.
 4. Customers who prematurely disconnect will have termination charges deducted from the prepaid amount and any balance credited to their bill.

A40.10.10 Exception to Termination Liability for State, County, and Municipal Governments

- A. In the event that all or any part of the service is disconnected at customer request prior to expiration of any selected payment period of greater than one month's duration, the customer will be required to pay a termination charge as stated in this *Guidebook*. The *Guidebook* provisions concerning termination liability for recurring charges only shall not be applicable to any state, county, or municipal governmental entity when there is in effect, as a result of action by such entity and through a duly constituted legislative, administrative, or executive body:
 1. a statute;
 2. an ordinance;
 3. a policy directive;

(T)

A40. FAST PACKET TRANSPORT SERVICES

A40.10 Fast Packet Services Payment Plan (Cont'd)

A40.10.10 Exception to Termination Liability for State, County, and Municipal Governments (Cont'd)

A. (Cont'd)

4. a constitutional provision which restricts or prohibits an additional contractual payment for early termination of a contract by any such entity, or agency thereof, due to an unavailability of funding. When service is being provided and funding to the governmental entity for such service becomes unavailable, the governmental entity may cancel the service without additional payment obligation. Provided, however, that if the governmental entity cancels the service for any reason other than the unavailability of funds, the termination liability provisions in the *Guidebook* shall apply. (T)

A40.10.11 Moves of Service(s) Under Fast Packet SPP

- A. Termination Liability Charges will not apply to customer requests for moves of service under Fast Packet SPP from one location to another location subject to the following:
 1. The original and new premises locations must be in Company territory within the same state.
 2. The move from the original location to the new location must be completed within thirty days of the original premises disconnect date.
 3. No lapse in billing will occur for moves of service under Fast Packet SPP.
 4. Orders to disconnect the existing service and re-establish it at the new location must be related.
 5. Any rate elements - such as, Ports - from the original location that are not re-established at the new location will be subject to applicable Termination Liability Charges.
 6. Any additions made at the new location will be treated as coterminous additions in accordance with A40.10.3 preceding.
 7. All *terms, conditions* and charges for changes made to the service coincident to that move shall apply. (T)
 8. All appropriate nonrecurring charges for moves of service as specified in this *Guidebook* will apply. (T)
 9. Moves of service that involve a change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc., will not be treated as a disconnect of service with regard to Termination Liability Charge application. The customer must subscribe to a payment arrangement offered in the appropriate interstate tariff which is at least the minimum number of months allowable under Term Payment Plan A (as defined in the Fast Packet Transport Service's specific section) or equals/exceed the remaining contract period, whichever is greater. (T)

A40.11 BellSouth Video Conferencing Service (Obsoleted, See Section A140)

A40. FAST PACKET TRANSPORT SERVICES

A40.13 BellSouth Metro Ethernet Service

A40.13.1 General

- A. BellSouth Metro Ethernet Service is a high-speed packet transport that is based on Ethernet transmission parameters.
- B. BellSouth Metro Ethernet Service provides various transport capabilities that range from 2 Mbps through 1 Gbps with capabilities for basic, premium and virtual arrangements that may be used to meet individual customer needs.
- C. BellSouth Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z standards. BellSouth Metro Ethernet Service also uses 802.1Q VLAN tagging and stacking for certain service configurations contained herein. Technical requirements for interfaces with customer premises equipment (CPE) are contained in ANSI/IEEE 802.3 Specifications. These technical documents may be ordered from:

American National Standards Institute
11 West 42nd Street
New York, New York 10036

- D. Technical Reference TR-73632 - Metro Ethernet Interface Specifications may be ordered from:

Documentation Service Center
3535 Colonnade Parkway – NW5B
Birmingham, AL 35243

(T)

Technical limitations associated with provisioning 2 Mbps, 4 Mbps and 8 Mbps BellSouth Metro Ethernet Connections based upon distance from the customer's premises to serving wire center and equipment configurations exist and are also set forth in TR-73632.

- E. BellSouth Metro Ethernet Service, as provided under the provisions of this section, is offered for intraLATA use only.
- F. The terms, conditions and rates specified herein are in addition to the applicable terms, conditions and rates specified in other sections of this and other guidebooks of the Company.
- G. The rates and charges set forth for BellSouth Metro Ethernet Service provide for the furnishing of service in certain metropolitan areas. In locations where BellSouth Metro Ethernet Service is not available, special construction charges may apply as set forth in Section A5.
- H. For BellSouth Metro Ethernet Service, the Due Date Change Charge, Expedite Request Charge and Cancellation Charge, as defined in A40.9, are applicable.

A40.13.2 Terms and Conditions

- A. Explanation of Terms

- 1. Metro Ethernet

Metro Ethernet is a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs on an Ethernet Wide Area Network (WAN). Ethernet is one of the most widely deployed LAN/WAN standards. BellSouth Metro Ethernet Service supports IEEE Standard 802.3, 802.3u and 802.3z transmission standards.

- 2. Local Area Network (LAN)

LAN is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communications purposes within a building or campus environment.

- 3. Virtual Local Area Network (VLAN)

A virtual local area network (VLAN) is a logical grouping of Metro Ethernet connections that allows data transmission between such connections to occur as if all connections are on the same physical LAN.

A40. FAST PACKET TRANSPORT SERVICES

A40.13 BellSouth Metro Ethernet Service

A40.13.2 Terms and Conditions (Cont'd)

B. Basis of Offering (Cont'd)

6. Service Level Agreement for Premium BellSouth Metro Ethernet Service

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for CNM - Metro Ethernet Reporting customers. Credits are provided for missed commitments to Premium customers purchasing the CNM - Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to CNM - Metro Ethernet Reporting customers with Premium Metro Ethernet Connections. Details of the technical measurements and performance results methodologies for each commitment are provided in Technical Reference TR-73632. (T)

Repair

- BellSouth Metro Ethernet Service Time-to-Repair¹
- Repair commitments are measured on a per occurrence basis

Network Service Levels

- BellSouth Metro Ethernet Service Network Availability
- BellSouth Metro Ethernet Service Network Latency
- Network Service Level Commitments are monthly performance measurements

a. SLA Definitions:

BellSouth Metro Ethernet Service Time-To-Repair

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection. This measure will require the customer to report the problem to the Company's repair center.
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold.

BellSouth Metro Ethernet Service Network Availability

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network are not eligible for the Network Availability SLA and one will not be provided.
- The Service Level Commitment will be calculated by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control.

Note 1: SLA not applicable if missed due to LightGate service or SmartRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SmartRing service as alternate transport.

A40. FAST PACKET TRANSPORT SERVICES

A40.13 BellSouth Metro Ethernet Service (Cont'd)

A40.13.2 Terms and Conditions (Cont'd)

B. Basis of Offering (Cont'd)

7. Service Level Agreement for Virtual BellSouth Metro Ethernet Service

BellSouth Metro Ethernet Service Level Agreements (SLAs) specify the Company's repair and performance commitments for CNM - Metro Ethernet Reporting customers. Credits are provided for missed commitments to Virtual customers purchasing the CNM - Metro Ethernet Reporting feature. Credits only apply for portions of service provided by the Company. The following service measurements will outline the service levels the Company will deliver to CNM - Metro Ethernet Reporting customers with Virtual Metro Ethernet Connections. SLAs will be applied on a per Class of Service (CoS) basis for Virtual Connections; traffic representing the different CoS (i.e., Real-Time, Interactive, Business Critical and Best Effort) transported across the same Virtual Connection will have different SLAs. Details of the technical measurements and performance results methodologies for each commitment are provided in Technical Reference TR-73632. (T)

Repair

- BellSouth Metro Ethernet Service Time-to-Repair¹
- Repair commitments are measured on a per occurrence basis for all CoS

Network Service Levels

- BellSouth Metro Ethernet Service Network Availability
- BellSouth Metro Ethernet Service Network Latency²
- BellSouth Metro Ethernet Service Network Jitter^{2,3}
- BellSouth Metro Ethernet Service Network Packet Delivery²
- Network Service Level Commitments are monthly performance measurements by CoS

a. SLA Definitions:

BellSouth Metro Ethernet Service Time-To-Repair

- BellSouth Metro Ethernet Service Time-To-Repair measures the outage duration on a customer's connection for all CoS. This measure will require the customer to report the problem to the Company's repair center.
- The repair interval will start with the time entered on the trouble ticket and end when fault is re-mediated. The Service Level Commitment measurement will be based on each individual trouble ticket for a Customer Connection. Time for scheduled maintenance windows does not count towards SLA threshold.

BellSouth Metro Ethernet Service Network Availability

- BellSouth Metro Ethernet Service Network Availability measures the percentage of time by CoS during a calendar month that the customer's service is unavailable on the core network. Core network is defined as being from the Ethernet switch serving the customer's A-end to the Ethernet switch serving the customer's B-end. Customer networks that do not traverse the core network (i.e., do not span more than one switch in the core network) are not eligible for the Network Availability SLA and one will not be provided.
- The Service Level Commitment will be calculated by CoS by measuring and summing the outage for each network component used by the customer, divided by the total number of components, times the total service time for a particular calendar month. Excluded from the outage time and service time are scheduled maintenance windows and time the network was unavailable due to circumstances outside the Company's control.

Note 1: SLA not applicable if missed due to LightGate service or SMARTRing service outage where BellSouth Metro Ethernet Service is using LightGate service or SMARTRing service as alternate transport.

Note 2: SLA not applicable for Best Effort CoS.

Note 3: SLA not applicable for Business Critical CoS.

A40. FAST PACKET TRANSPORT SERVICES

A40.13 BellSouth Metro Ethernet Service (Cont'd)

A40.13.2 Terms and Conditions (Cont'd)

C. Provision of Service (Cont'd)

11. Basic, Premium and Virtual BellSouth Metro Ethernet Service Connections of 10 Mbps or higher may alternatively be provided to a customer premises over the customer's LightGate service or SMARTRing service.

The customer is required to purchase the appropriate LightGate service or SMARTRing service BellSouth Metro Ethernet Backbone interfaces that are a bandwidth equal to the bandwidth of the BellSouth Metro Ethernet Service backbone transport that is standard for the specific type and speed of BellSouth Metro Ethernet Service Connection serving that customer premises. (A chart is provided herein which sets forth the backbone bandwidth of each type and speed of BellSouth Metro Ethernet Service Connection.) Standard BellSouth Metro Ethernet Service features are available on such alternative arrangements, with the exception that Automatic Protection Switching is not available.

For such applications using LightGate service or SMARTRing service as alternate transport, the BellSouth Metro Ethernet Service Connection will provide data channel transport to connect the termination of the LightGate service or SMARTRing service at the central office node, to the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service Connection (i.e., the central office of the Metro Ethernet Service switch).

When the LightGate service or SMARTRing service central office node is located greater than 10 miles from the BellSouth Metro Ethernet Service wire center, BellSouth Metro Ethernet Service Additional Mileage charges will also be applicable.

Metro Ethernet connections to SMARTRing can be either point-to-point or they can connect to Basic Shared Ethernet LAN service via Metro Ethernet Access Links.

For BellSouth Metro Ethernet Service Connections utilizing the customer's LightGate service or SMARTRing service as alternate transport, the committed bandwidth for select speeds will be as shown in Technical Reference TR-73632.

(T)

Point-to-Point Metro Ethernet Connection to SMARTRing Service	
Metro Ethernet Connection	Metro Ethernet Backbone Bandwidth
Basic 10 Mbps	100 Mbps (1 STS-1)
Basic 100 Mbps	100 Mbps (3 STS-1)
Basic 1000 Mbps	1000 Mbps
Premium 10, 20, 50 Mbps (Fixed)	100 Mbps (1 STS-1)
Premium 10, 20, 50 Mbps (Burst)	100 Mbps (3 STS-1)
Premium 100, Mbps (Fixed)	Fractional 1000 Mbps at 150 Mbps
Premium 250 Mbps (Fixed)	Fractional 1000 Mbps at 300 Mbps
Premium 500 Mbps (Fixed)	Fractional 1000 Mbps at 600 Mbps
Premium 100, 250, 500 Mbps (Burst)	1000 Mbps
Virtual 10, 20, 50 Mbps	100 Mbps (1 STS-1)
Virtual 80 Mbps	100 Mbps (3 STS-1)
Virtual 100 Mbps	Fractional 1000 Mbps at 150 Mbps
Virtual 200, 300 Mbps	Fractional 1000 Mbps at 300 Mbps
Virtual 450 Mbps	Fractional 1000 Mbps at 450 Mbps
Virtual 600 Mbps	Fractional 1000 Mbps at 600 Mbps
Virtual 750, 900 Mbps	1000 Mbps

A43. CHANNELIZED VOICE TRANSPORT SERVICES

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A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 BellSouth Channelized Trunks (Cont'd)

A43.1.1 General (Cont'd)

- D. The design, maintenance and operation of BellSouth Channelized Trunks is intended for communications originating and terminating from customers' premises to the normal serving wire center (SWC).

A43.1.2 Terms and Conditions

- A. To ensure satisfactory operation, terminal equipment provided by the customer must be compatible with the DS1/1.544 Mbps arrangement provided by the Company. The technical specifications and standard network interfaces for BellSouth Channelized Trunks are consistent with those specified in the Company's Technical Reference Publication 73525. This publication is available from AT&T Telecommunications, Inc., Regional Documentation Coordinator, 20th Floor, 600 North 19th Street, Birmingham, Alabama, 35203. (T)
- B. Unless specified otherwise, BellSouth Channelized Trunks *Terms and Conditions* as set forth herein apply in addition to *Terms and Conditions* as set forth in Section A2. (T)
- C. The capability to utilize FlexServ Service, MegaLink Plus Service or SmartPath Service in connection with BellSouth Channelized Trunks is allowed as per *Terms and Conditions* specified herein, in addition to those set forth for FlexServ Service in Section A32. or MegaLink Plus Service and SmartPath Service in Section B7. of the Private Line Guidebook. Minimum requirements to establish and maintain BellSouth Channelized Trunks as specified following are still applicable. (T)
- D. At a minimum, BellSouth Channelized Trunks shall consist of one 1.544 Mbps Access Line (or other transport service substitute), one Service Interface, one Channel, and one Number. Appropriate surrogate elements of service are allowed. These minimal requirements are necessary including connections to BellSouth's FlexServ Service, MegaLink Plus Service or SmartPath Service. Quantities not meeting these minimum requirements will be considered a disconnect of BellSouth Channelized Trunks and Termination Liability Charges will apply as specified in A43.1.4.
- E. Suspension of BellSouth Channelized Trunks is not allowed.
- F. *Terms and Conditions* for allowances arising out of mistakes, omissions, interruptions, preemptions or delays, errors or defects in transmission of service apply as specified in A2.5. (T)
- G. Two-way DID Service is not allowed for use with BellSouth Channelized Trunks.
- H. Foreign Exchange Service is not allowed for use with BellSouth Channelized Trunks.
- I. The Company does not assume responsibility for the compatibility or suitability of customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in a Premise Visit Charge as provided in A43.1.4. This charge applies to customers for each dispatch required in connection with a customer's service difficulty or trouble report when it is determined that the source of the difficulty or trouble is on the customer's side of the demarcation point. This charge does not include any further isolation work beyond the demarcation point.
- J. Channelization at customers' premises
Channelization at the 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 detariffed basis. 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 BellSouth Channelized Trunks will be provided by the Company. (M)
 2. Responsibilities of the Customer (M)
 - 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. (M)
 - b. The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with Company-provided channelization at the central office. (M)
 3. Trouble Resolutions (M)

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 Premise Visit Charge to the customer, as provided in A43.1.4. (M)

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 BellSouth Channelized Trunks (Cont'd)

(M)

A43.1.3 Application of Rates

- A. 1.544 Mbps Access Line
BellSouth Channelized Trunks 1.544 Mbps Access Lines are furnished between customers' premises and the normal Serving Wire center (SWC). Charges are assessed on a flat rate basis. Customers who wish to utilize other Company-provided transport facilities that meet or exceed the required standards to transport BellSouth Channelized Trunks 1.544 Mbps Access Lines, e.g. LightGate Service, will not incur charges for substitute BellSouth Channelized Trunks elements.
- B. 1.544 Mbps Interoffice Facility
BellSouth Channelized Trunks 1.544 Mbps Interoffice Facilities are furnished between Company central offices. Charges are assessed in mileage bands based on the airline distance between central offices.
 - 1. Airline distance between Company central offices shall be developed using the methodology in the National Exchange Carrier Association (NECA) Tariff No. 4. Fractional mileage shall be rounded up to the next whole mile.
 - 2. Foreign Exchange Service is not allowed for use with BellSouth Channelized Trunks 1.544 Interoffice Facilities.
 - 3. Customers who wish to utilize other Company-provided interoffice transport facilities that meet or exceed the required standards to transport BellSouth Channelized Trunks, e.g. LightGate Service, will not incur charges for substitute BellSouth Channelized Trunks elements.
- C. Service Interface
Service Interfaces are furnished in the Company's central offices and are charged as a single element of service.
- D. Channels
Channels are furnished in the Company's central offices for activation of trunks to be transported via the other required elements of BellSouth Channelized Trunks. Direct Inward Dial (DID), Outward Only and Combination Channel Types are available. For MegaLink Channel Service customers who wish to convert to BellSouth Channelized Trunks, existing Inward only Network Access Service provisioned as line-side terminations will be converted to DID trunk-side terminations and charges will apply as appropriate.
- E. Number
One Number is required for each channel activated. There is no charge for Numbers on Outward Only Channels.
- F. Optional Payment Plans
BellSouth Channelized Trunks monthly rates are available on a month-to-month basis or under variable payment periods.¹ Payment periods are based on lengths of twenty four to forty eight months, forty nine to seventy two months, or seventy three to ninety six months. The minimum payment period for BellSouth Channelized Trunks is one month.

Note 1: Effective July 1, 2014, customers may not establish new variable payment period plans of any length for BellSouth Channelized Trunks, and existing variable payment period plans may not be renewed. For new service, or for existing service after any variable payment period plan expires, service will be provided only on a month-to-month basis.

A43. CHANNELIZED VOICE TRANSPORT SERVICES

A43.1 BellSouth Channelized Trunks (Cont'd)

A43.1.3 Application of Rates (Cont'd)

- G. (DELETED)
- H. Moves to New Locations
Termination Liability Charges do not apply for moves of BellSouth Channelized Trunks to new locations as long as the original and new premises locations are located in the Company's territory and within the same state.
- I. Customer Change to Higher Order of Service
For BellSouth Channelized Trunks customers who request a change to a higher order of service, Termination Liability Charges may not apply, subject to Channel Services Payment Plan (CSPP) Disconnect *terms and conditions* as provided in B2.4 of the Private Line Guidebook. (T)
- J. Service Order Cancellation Charge
Customers who cancel a service order for the installation of BellSouth Channelized Trunks are subject to cancellation charges as defined in B.2.4 of the Private Line Guidebook.
- K. Service Installation Guarantee
BellSouth Channelized Trunks is eligible for Service Installation Guarantee as specified in B2.4 of the Private Line Guidebook.
- L. Expiration of Optional Payment Plans¹
The BellSouth Channelized Trunks rates in effect at the time the service is installed and/or as of the application date will be applicable until the expiration of the customer selected payment period. Rates provided under the optional payment periods, other than the month-to-month payment period, will not be increased by Company initiative until the expiration of the customer's specified payment period. At the expiration date of the customer's payment period, the customer will revert to current rates on a month-to-month basis.
- M. DID Optional Features
Customers who require Direct Inward Dialing (DID) channels are allowed to choose Dial Pulsing (DP), Multifrequency (MF) Pulsing or Dual Tone Multifrequency (DTMF) Pulsing signaling arrangements. Additional charges, as provided in A12.7, are associated with the MF and DTMF options.
- N. Service Order Charges and Grouping Service Charges
Service Order Charges, as provided in Section A4, do not apply to BellSouth Channelized Trunks. Grouping Service charges, as provided in Section A3, do not apply to BellSouth Channelized Trunks.
- O. Special Construction Charges
The rates specified for BellSouth Channelized Trunks contemplate the provision of a digital quality facility over existing interoffice carrier equipment and/or exchange facilities compatible with this service. If new facilities or equipment, or changes to existing facilities or equipment are required for the provision of this service, a special construction charge, as specified in Section A5, and based on the cost incurred to make the changes, may apply in addition to the rates and/or charges appropriate for BellSouth Channelized Trunks.

Note 1: Effective July 1, 2014, customers may not establish new variable payment period plans of any length for BellSouth Channelized Trunks, and existing variable payment period plans may not be renewed. For new service, or for existing service after any variable payment period plan expires, service will be provided only on a month-to-month basis.

A47. BELLSOUTH REMOTE ACCESS PLATFORM SERVICE

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A47. BELLSOUTH REMOTE ACCESS SERVICE

A47.1 BellSouth Remote Access Service

A47.1.1 General

- A. BellSouth Remote Access Service (RAS) is an intraLATA, extended reach, packet-switched data service that provides for the collection, concentration, signaling and aggregation of a customer's dial-up data traffic into a customer's designated hub site. BellSouth RAS is available as a customer controlled offering. It provides one way ports that allow the customer's users, who are located within the Company's serving area, to call into a remote access server.
- B. Remote access server equipment will be installed in a Company central office.
- C. BellSouth RAS supports a dedicated, customer selected remote access server with backup dial-in capability or out-of-band frame relay for network management. The customer may select their remote access server based on the Company's approved equipment list for this service.
- D. CPE must support Layer 2 Tunneling Protocol (L2TP) for the customer selected remote access server.
- E. The customer will also be responsible for providing the egress circuit(s) connecting BellSouth RAS to their hub location. Egress circuit(s) are required to deliver the BellSouth RAS traffic to the customer's designated location. These circuits can be ordered from the Company or other telecommunications providers with the execution of appropriate collocation agreements.
- F. BellSouth RAS is furnished in central offices equipped with remote access servers. Service intervals will be negotiated in cities where service is not deployed.
- G. The technical specifications and standard network interfaces for BellSouth RAS are in conformance with the Internet Architecture Board as stated in:
 - STD001, Internet Official Protocol Standards; J. Reynolds, R. Braden, issued June, 1999.
 - RFC 2138, Remote Authentication Dial-In User Service (RADIUS); C. Rigney, A. Rubens, W. Simpson, S. Willens, issued April, 1997.

These documents may be obtained from the Internet Engineering Task Force (IETF) at Corporation for National Research Initiatives, Attention: Accounting Department - IETF Proceedings, 1895 Preston White Drive, Suite 100, Reston, VA 20191-5434 or via Internet at www.ietf.org.

- H. The *terms, conditions* and rates specified herein are applicable to BellSouth RAS. *Terms, conditions* and rates specified in other sections of this and other Guidebooks of the Company may also apply. (T)

A47.1.2 Terms and Conditions (T)

- A. Explanation of Terms
 1. Remote Access Server - The remote access server is a type of equipment that will be used to aggregate the customer's dial traffic and send it to the customer location over their egress circuit. The remote access server will be connected to the Public Switched Network using Primary Rate ISDN or SS7 circuit facilities.
 2. Ingress Circuits - This term denotes the facility used to transport the customer's incoming dialed BellSouth RAS traffic, e.g. Primary Rate ISDN.
 3. Egress Circuits - This term denotes the facility used to transport the customer's dialed BellSouth RAS traffic to the customer's designated hub location once it has been collected and aggregated by the remote access server (e.g. Broadband Exchange Line).
 4. Extended Reach Area - An area where BellSouth RAS extends the reach from a remote access server to allow users the ability to make "non-local" calls without incurring intraLATA Long Distance Message Telecommunications Service charges.
- B. Basis of Offering
 1. Rates and charges specified in A47.1.3 following, are based on regional volume and term commitments. Customers must specify a regional commitment level and will be rated based on total regional in service volumes. Rating will be as set forth in 8. following.
 2. The minimum regional commitment level for BellSouth RAS is 10,000 ports.
 3. Initial orders for BellSouth RAS, per remote access server central office location, must be equal to or greater than 644 ports. All orders greater than 644 ports must be in increments of 23 ports where capacity allows.

A47. BELLSOUTH REMOTE ACCESS SERVICE

A47.1 BellSouth Remote Access Service (Cont'd)

A47.1.2 Terms and Conditions (Cont'd)

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B. Basis of Offering (Cont'd)

4. Subsequent orders for BellSouth RAS, per remote access server location, must be in increments of 23 ports depending on technology utilized where capacity allows.
5. The minimum service period for BellSouth RAS is twelve months.
6. Month to month rates are not available as an initial service offering.
7. On or after October 15, 2002, BellSouth Remote Access Service initial requests to establish service provides a minimum capacity of 644 one-way ports per dial tone office. Customers in service prior to October 15, 2002 may continue their service with a minimum capacity of 276 one-way ports.
8. In order to benefit from rates appropriate for a higher volume of ports, the customer must notify the Company of that accomplishment. Upon notification, and on a going forward basis to the end of the BellSouth RAS contract period, all ports will be rated to the appropriate volume tier.
9. All ports are billed monthly and are subject to a full service term, i.e. they are not coterminous. For example, under a 24 month service period, each port must be billed for 24 months from the date of installation.
10. Nonrecurring charges apply for the installation of each port.
11. Moves of service are considered disconnects and starts.
12. When a change in billing data (e.g. name, address, contact name, or telephone number) is requested in association with a change in the customer's record, Transfer of Service Charges, as set forth in A47.1.3 following will apply. Transfer of Service Charges are applied on a per Billing Account Number (BAN).
13. Administrative changes, as identified following, will be made without charge(s) to the customer.
 - a. Change of customer name (i.e. the customer of record does not change but rather the customer of record changes its name—e.g. BellSouth Telecommunications, Inc. to BellSouth Corporation).
 - b. Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment.
 - c. Change in billing data (name, address, or contact name or telephone number). The customer of record does not change.
 - d. Change of customer circuit identification.
 - e. Change of billing account number.
 - f. Change of customer or customer's end user contact name or telephone number.
14. In order to maintain the quality of BellSouth RAS, the Company reserves the right to perform preventive maintenance and software updates to the network. This could result in BellSouth RAS being unavailable during the time period between 2:00 A.M. and 4:00 A.M. Eastern Time on any given Wednesday or Sunday. The Company only expects to utilize this maintenance window for any given remote access server on the average of once a quarter. However, the Company reserves the right to perform maintenance at any time, at its discretion, that it believes such maintenance is necessary. The Company will make every reasonable effort to provide notice to those customers likely to be affected by such maintenance work.
15. Obligations of Customer and Company
 - a. The Company will provide remote hands operations support. Remote hands means that the customer identifies the problem and reports the trouble to the Company. The Company will then resolve the problem as directed by the customer. Resolution of the problem may include providing hardware, central office switching maintenance, and deployment of human resources necessary to repair hardware failures and restore network service outages.
 - b. The customer will be responsible for the management of the remote access server for this service and will have full responsibility for initial and ongoing configuration, software release levels and updates, and general code control. All software updates must be compatible with associated Company network elements and systems. It is assumed that the monitoring, management, and reporting activities performed by the customer will occur over the egress port link(s) into the remote access server or through a backup dial-in channel that the Company will provide for each site. The customer is also responsible for all interface support for his clients (end user) and/or employees.

A47. BELLSOUTH REMOTE ACCESS SERVICE

A47.1 BellSouth Remote Access Service (Cont'd)

A47.1.2 Terms and Conditions (Cont'd)

C. Provisions of Service

Rates and charges contained in this section of the *Guidebook* consist of the following elements:

1. BellSouth RAS one-way ports
 - 10,000 – 29,999 Ports, each
 - 30,000 – 59,999 Ports, each
 - 60,000 – 89,999 Ports, each
 - 90,000 – 149,999 Ports, each
 - 150,000 – 199,999 Ports, each
 - 200,000 – 299,999 Ports, each
 - 300,000 or greater Ports, each
2. Transfer of Service Charge

D. Contract Plans

1. BellSouth RAS is provided under conditions specified in Payment Plans for Contract Services, A2.4.10.
2. BellSouth RAS is available under volume and term payment periods for 12 Months, 24 Months, 36 Months, or 48 or Greater Months. For contracts greater than a 48 month service period, the 48 month rate applies.
3. At the end of any BellSouth RAS contract, customers may continue service under a new contract or on a month-to-month basis. 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 A.2.4.10.H.
4. When a BellSouth RAS is disconnected prior to the expiration of a selected service period as a result of a change of jurisdiction, Termination Liability Charges will apply.
5. In the event that all or any part of a BellSouth RAS is disconnected at a customer's request prior to expiration of any selected payment period, the customer will be required to pay a termination charge equal to fifty percent (50%) of the monthly charges times the number of months remaining on the agreement.
6. Additions of ports are allowed as specified in B.4. preceding.
7. Subsequent to the establishment of a BellSouth RAS contract, and prior to the completion of that period, the existing payment period may be extended to a longer service period. Nonrecurring charges will not be reapplied.