
A35. INTERCONNECTION OF MOBILE SERVICES

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Note 1: COMMON CHANNEL SIGNALING IS-41 AND ISDNUP MESSAGE TRANSPORT SERVICES: See section E6. of the Access Services Tariff for CCS7 Signaling Connections, CCS7 Signaling Terminations and CCS7 Access Arrangement Usage.

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services

A35.1.1 General

- A. Material in this section combines material previously appearing in A3.16 and A3.17 as a result of Florida Public Service Commission's Order No. 20475 and 20979 in Docket No. 870675-TL, dated December 20, 1988 and April 4, 1989, respectively.
- B. The services offered herein are for use by Mobile Service Providers (MSPs) to allow interconnection of the wireless or radio network of these carriers to that part of the Public Switched Network (PSN) owned and operated by the Company. (MSPs are commercial mobile radio services (CMRS) providers operating under authority of the FCC, as defined in the FCC Rules and Regulations, Part 20. The term MSP shall also include authorized resellers of CMRS and prospective CMRS providers who have been declared spectrum auction winners by the FCC.) Circuits furnished by the Company to Mobile Service Providers (MSPs) which do not connect to the PSN, such as radio transmitter control links, are not covered in this Guidebook.
- C. These services are offered at the rates specified herein from central offices equipped to accommodate the interconnections and service options described by the MSP.
- D. The rates contained in this section contemplate the use of equipment, service arrangements and service standards or capabilities normally provided by the Company. When non-standard equipment or services such as transmission characteristics and signaling of a special type are requested, they may be provided via the special assembly process for each case as prescribed in Section A5. The rates for these arrangements will be applied in addition to those applicable in this or other Guidebook sections.
- E. The conditions and rates specified in other guidebooks for services which may be associated with these services are in addition to those specified herein.
- F. Listings for the MSP are provided in accordance with the terms, conditions and rates prescribed in Section A6. Clients of the MSP are provided listings at the rates specified for Mobile and Paging Service Listings in A6.7.12. (T)
- G. Calls subject to Operator Assisted charges as defined in A3.10, local and intraLATA long distance and local and long distance Directory Assistance Service as defined in A3.9 and A18.7, respectively, of this Guidebook will be individually itemized on the MSP's bill. Directory Assistance call allowance is three (3) calls per trunk (or line).
- H. Usage charges as specified in A35.1.6 will not apply to calls to Directory Assistance or for 911 Emergency Service, where available.¹
- I. When the Company relies on data supplied by the MSP to prepare and render a bill to the MSP, a right of audit by the Company is reserved. The audit of the call records shall be performed by an independent third party at the Company's discretion, but no more than annually. If the reported traffic is found to be understated by more than five percent, the MSP shall reimburse the Company for the reasonable cost of the audit.
- J. The appropriate service charges in Section A4. apply to the establishment and rearrangement of services provided under this section. In addition, in the instance of the rearrangement of facilities, the nonrecurring charge specified in A35.1.6 shall apply as well as any charges described under paragraph D. above.

Note 1: Government agencies may require the MSP to acquire special arrangements and incur additional charges to identify the location of the calling party.

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 2ASS7 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)	-	-	

EFFECTIVE: November 1, 2011

A35. INTERCONNECTION OF MOBILE SERVICES

A35.1 Mobile Services (Cont'd)

A35.1.5 Summary of Connections and Options Available to Mobile Service Providers (Cont'd)

B. BellSouth CMRS Type 1 and BellSouth CMRS Type 2 Circuit Direction - Voice Grade Facilities (Cont'd)

1. BellSouth CMRS Type 1 (Cont'd)

	Nonrecurring Charge	Monthly Rate	USOC
	\$-	\$-	BSVBO
(c) One-way Outward (MSP to C.O.)	-	-	
2. BellSouth CMRS Type 2A			
(a) Two-way	-	-	BSVCC
(b) One-way Inward (C.O. to MSP)	-	-	BSVC1
(c) One-way Outward (MSP to C.O.)	-	-	BSVCO
3. BellSouth CMRS Type 2B			
(a) Two-way	-	-	BSVEC
(b) One-way Inward (C.O. to MSP)	-	-	BSVE1
(c) One-way Outward (MSP to C.O.)	-	-	BSVE0
4. BellSouth CMRS Type 2C			
(a) CAMA or Feature Group D (as defined in J-STD-034 and TIA/EIA, without optional pause for acknowledgement)	1,630.00	-	MR9CC
(b) SS7/ISUP (as defined in Telcordia GR-2956-CORE, CSS/SS7 Generic Requirements in support of E9-1-1 Service)	1,630.00	-	MR9S7

A35.1.6 Rates and Charges

A. Voice Grade Service

1. BellSouth CMRS Local Loop Line

(a) Measured, without rotary	-	25.00	LCVXN
(b) Measured, with rotary	-	33.75	LCVXR

2. BellSouth CMRS Local Loop Trunk (two-wire)

a. One-way outward and two-way¹

(1) Local loop without rotary

(a) Two-way	-	33.00	OPL2N
(b) One-way outward (MSP to C.O.)	-	33.00	OPLON

(2) Local loop with rotary

(a) Two-way	-	44.55	OPL2R
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Note 1: May be optioned for either loop or ground start operation.

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)
 - 2. BellSouth CMRS Local Loop Trunk (two-wire) (Cont'd)
 - b. One-way inward^{1,2} (includes rotary)
 - (1) Local loop

	Nonrecurring Charge	Monthly Rate	USOC
(a) Each	\$-	\$44.55	OPL1R
(2) Trunk termination			
(a) Direct Inward Dialing ³ (C.O. to MSP)	90.00	21.80	RDZ
(3) Optional address pulsing for use with Direct Inward Dialing trunk termination			
(a) Dual tone multifrequency (DTMF)	-	7.50	S5D
(b) Multifrequency (MF)	-	7.50	S5M
3. BellSouth CMRS Type 1 or BellSouth CMRS Type 2 circuits (four-wire)			
a. Facilities			
(1) Local loop ⁴			
(a) Local loop, 1st	395.00	31.90	BSVVG
(b) Local loop, each additional ⁵	140.00	31.90	BSVVG
(2) Signaling			
(a) E&M (per loop)	46.00	9.50	BSVEM
(3) C.O. Equipment termination			
(a) Trunk termination (per loop)	90.00	29.30	BSVTP
Note 1:	Uses reverse battery supervision. May be optioned for either wink start or immediate start operation.		
Note 2:	This service provides outpulsing of digits from the central office toward the MSP (direct inward dialing service).		
Note 3:	Uses dial pulse address pulsing.		
Note 4:	A local loop extends from the carrier location to the serving wire center.		
Note 5:	Each additional loop from the carrier location to the same wire center.		

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)

C. Network Usage¹(Cont'd)

3. (Cont'd)²

The MSP will pay the following usage charges for these calls based on the point of interconnection with the MSP network.

	PEAK AND OFF-PEAK	USOC
(a) Point of interconnection within Company territory, per minute of use	\$.035	NA
(b) Point of interconnection within Independent Company territory, per minute of use	.1422	NA

4. The following usage rate applies to BellSouth CMRS Type 2B interconnection mobile originated 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.

	Rate Per Minute Of Use	USOC
(a) Mobile originated	\$.0100	NA

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)

C. Network Usage¹ (Cont'd)

5. (DELETED)

D. NXX Establishment Charge

1. The following charge applies to the establishment of a dedicated exchange NXX or the subsequent movement of that NXX to a different serving office in Company territory.

	Nonrecurring Charge	USOC BSVAA
	\$-	
(a) Per NXX Established in Company offices ²		

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: Assignment of NXX codes is subject to the code conservation measures outlined in Bellcore TR-NPL-000275. Also, when a MSP requests a second dedicated NXX, it will be made available provided that at least 70 percent of the numbers in the initial NXX code have been utilized by the MSP and the MSP has provided periodic forecasts of its number requirements to the Company.

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

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

A35.1 Mobile Services (Cont'd)

A35.1.6 Rates and Charges (Cont'd)

G. CMRS 800 Service to Direct Inward Dialing (DID) (Cont'd)

1. (Cont'd)

	Nonrecurring Charge	Monthly Rate	USOC
(e) Establish trunk group and provide first group of 100 numbers from an 800 code assigned for RCC Services	\$915.00	\$19.45	T9B
(f) Each additional group of 100 numbers from an 800 code assigned for RCC services	15.00	19.45	T9BEA

H. CMRS Selective Class of Call Screening

1. The following monthly rates are applicable for CMRS Selective Class of Call Screening.

	Monthly Rate	USOC
(a) Option 1, per BellSouth CMRS Local Loop Line, BellSouth CMRS Local Loop Trunk, or BellSouth CMRS Type 1 trunk equipped ¹	\$3.30	SRGM1
(b) Option 2, per BellSouth CMRS Local Loop Line, BellSouth CMRS Local Loop Trunk, or BellSouth CMRS Type 1 trunk equipped ¹	3.30	SRGM2

A35.2 (DELETED)²

Note 1: See A35.1.1.U. for a description of the options.

Note 2: COMMON CHANNEL SIGNALING IS-41 AND ISDNUP MESSAGE TRANSPORT SERVICES: See section E6. of the Access Services Tariff for CCS7 Signaling Connections, CCS7 Signaling Terminations and CCS7 Access Arrangement Usage.

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	
(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	

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A35. INTERCONNECTION OF MOBILE SERVICES

A35.4 OPTITALK Service (Cont'd)

A35.4.4 Rates and Charges (Cont'd)

A. Optical Equipment (Cont'd)

1. Type B Interface (Cont'd)

	Nonrecurring Charge	Monthly Rate	USOC OPTT2
(b) Optical Transceiver Unit, Option 2, initial installation	\$15,885.00	\$246.25	
(c) Optical Transceiver Unit, Option 2, subsequent move	500.00	246.25	OPTMC

2. Type C Interface

(a) Optical equipment, Option 1	385.00	1,540.00	OPTC1
(b) Optical equipment, Option 2, initial installation	35,385.00	570.00	OPTC2
(c) Optical equipment, Option 2 - subsequent move	500.00	570.00	OPTCM

3. Type D Interface

a. Optical Equipment

(1) Option 1

(a) Basic System (includes 1 OTU)	385.00	785.00	OPTD1
(b) Additional OTUs (maximum of 3 per Basic System)	385.00	400.00	OPTDA

b. Optical Equipment

(1) Option 2, initial installation

(a) Basic System (includes 1 OTU)	18,385.00	286.00	OPTD2
(b) Additional OTUs (maximum of 3 per Basic System)	8,885.00	164.00	OPTDB

(2) Option 2, subsequent move

(a) Basic System (includes 1 OTU)	500.00	286.00	OPTDM
(b) Additional OTUs (maximum of 3 per Basic System)	500.00	164.00	OPTDN

B. Fiber Cable

1. Local Channel

(a) Fixed ¹	-	-	OPTLF
(b) Each 1/4 airline mile or fraction thereof	-	60.00	OPTL1

2. Fiber Terminations²

Note 1: Local channel fixed rates included in A35.4.4.B.2. following.

Note 2: Includes the fiber termination, up to 250 feet of building entrance cable on both the host and remote end (total of up to 500 feet) and all required connectors.

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A35. INTERCONNECTION OF MOBILE SERVICES

A35.4 OPTITALK Service (Cont'd)

A35.4.4 Rates and Charges (Cont'd)

B. Fiber Cable (Cont'd)

2. Fiber Terminations¹ (Cont'd)

	Nonrecurring Charge	Monthly Rate	USOC OPTFT
(a) Per OPTITALK service Circuit	\$200.00	\$155.00	
3. Interoffice Channel			
(a) Fixed	200.00	35.00	OPTMF
(b) Each 1/4 airline mile or fraction thereof	-	45.00	OPTM1

Note 1: Includes the fiber termination, up to 250 feet of building entrance cable on both the host and remote end (total of up to 500 feet) and all required connectors.

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