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## A35. INTERCONNECTION OF MOBILE SERVICES

### CONTENTS

	<b>PAGE</b>	
<b>A35.1 Interconnection Services for Mobile Service Providers (MSP's)</b>	1	
A35.1.1 General	1	
A35.1.2 CMRS Local Loop Lines and CMRS Local Loop Trunks	3	(T)
A35.1.3 CMRS Type 1 Interconnection	<b>3.1</b>	(T)
A35.1.4 CMRS Type 2 Interconnection	<b>3.1</b>	(T)
A35.1.5 Circuit Direction Options	4	
A35.1.6 Rates and Charges	4.1	
<b>A35.2 (DELETED)<sup>1</sup></b>	<b>8</b>	(T)
<b>A35.3 Operator Services Interconnection</b>	13	
A35.3.1 Service Description	13	
A35.3.2 General	13	
A35.3.3 Obligations of the Mobile Service Provider (MSP)	14	
A35.3.4 Application of Rates	14	
A35.3.5 Rates and Charges	14	
<b>A35.4 Connection of Commercial Mobile Radio Service Providers to E911 Service</b>	14	
A35.4.1 Service Description	14	
A35.4.2 General	15	
A35.4.3 Obligations of the CMRS	15	
A35.4.4 Applications of Rates	16	
A35.4.5 Rates and Charges	16	

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.

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## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's)

#### A35.1.1 General

- A. The services offered herein are for use by Mobile Service Providers (MSP's) 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 (MSP's) which do not connect to the PSN, such as radio transmitter control links, are not covered in this Guidebook.
- B. Except as noted, services provided in this Section are subject to all general terms and conditions applicable to the provision of service by the Company as stated in Section A2.
- C. The services provided under this Guidebook shall be used by the MSP only for the handling of traffic originating or terminating on the MSP's network in conjunction with its authorized services.
- D. The services provided by the Company shall not be connected together by the MSP, except on an ancillary basis such as call forwarding, for the purpose of completing a call from one landline telephone to another landline telephone.
- E. DS1 Service
  1. The price for a digital trunk termination used in providing DS1 service for twenty-four voice equivalent channel increments contemplates the termination of all twenty-four channels at the same Company switch and at the same physical location at the Company switch. When the mixing of services on the same DS1 does not meet these requirements, the rates and charges for less than twenty-four voice equivalent channels are applicable.
  2. The mixing of "line side" and "trunk side" services on the same DS1 is considered to be terminating service at two different physical locations at the Company switch. CMRS Local Loop Lines, one-way outward CMRS Local Loop Trunks, and two-way CMRS Local Loop Trunks are "line side" connections to the Company switch. One-way inward CMRS Local Loop Trunks, CMRS Type 1, CMRS Type 2A, CMRS Type 2B, and 800/DID Service Access trunks are considered "trunk side" connections to the Company switch.
  3. Because CMRS Type 1 and CMRS Type 2A terminate at different physical locations at a Company switch, then the mixing of these services on the same DS1 requires that the rates for less than twenty-four voice equivalent channels be applied.
  4. DS1 Service that has trunk groups with different Emergency Service Numbers (ESNs) must remain channelized and is considered a mixed service that requires the rates for less than twenty-four voice equivalent channels. When MSP originally orders DS1 Service as mixed service or as less than twenty-four voice equivalent channels, and MSP subsequently installs all 24 trunks with a single ESN, MSP is responsible for notifying the Company to convert the DS1 Service to a twenty-four voice equivalent channel. (N)
  5. The rates and charges for twenty-four voice equivalent channel is applicable for a CMRS Type 2C that terminates at a Company demarcation point for an ESInet. (N)
- F. 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 20, 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.
  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 new 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.

## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)

#### A35.1.1 General (Cont'd)

##### F. Service Installation Guarantee (Cont'd)

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,
    - (3) unavailability of the customers facilities and/or equipment
  - b. to service requiring Special Construction as set forth in Section A5, or
  - c. (DELETED)
  - d. when alternate arrangements for SS7 signaling links are utilized.

In addition, Service Installation Guarantee will not apply during a declared National Emergency.

##### G. Other Associated Terms, Rates and Conditions

1. These services are offered at the rates specified herein from central offices where necessary service options are available.
2. The rates contained in this offering contemplate the use of standard serving arrangements normally provided by the Company.
3. MegaLink service, MegaLink Light service, MegaLink channel service, and LightGate service from Section B7 of the Private Line Guidebook are used to rate certain portions of DS1 service offered under this guidebook. The terms and conditions which apply for those services apply here, except that the month to month rates for MegaLink channel service, as specified in B7.3 of the Private Line Guidebook may be applied without the MSP fulfilling any minimum contract period. However, a minimum initial service period may apply for DS1 services, as specified in Section B7 of the Private Line Guidebook for MegaLink, MegaLink Light or LightGate services.
4. Listings for MSP's are provided in accordance with terms, conditions and rates found in Section A6.
5. Clients of the MSP may be provided listings as specified in A6.6.2, Business Additional Listing.
6. Charges for Operator Assisted Local Call Service and Local Operator Verification/Interruption Service<sup>1</sup> as defined in Section A3 are applicable and will be individually itemized on the MSP's bill.
7. Charges for IntraLATA Long Distance Operator Verification/Interruption Service<sup>1</sup> as defined in Section A18 are applicable and will be individually itemized on the MSP's bill.
8. When the MSP wants to prohibit third number<sup>1</sup> and collect calls<sup>1</sup> to mobile numbers, Billed Number Screening is available upon request. Certain calls cannot be screened, including but not limited to calls handled by independent Company (ICO) operators, Maritime, Air-to-Ground, and International calls, or calls handled by companies that do not subscribe to the data base where toll billing exception data is stored. The MSP is, however, responsible for the charges for these calls.
9. The appropriate service charges in Section A4 apply to the establishment and rearrangement of service provided under this section. In addition, the nonrecurring charges specified in A35.1.6 shall apply for connection of service or rearrangements.

**Note 1:** Effective March 19, 2016, Collect, Person to Person, Bill to a Third Number calls and Local Verification/Interruption Service are discontinued.

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(T)

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## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)

#### A35.1.1 General (Cont'd)

- G.** Other Associated Terms, Rates and Conditions (Cont'd)
10. Billing disputes must be communicated to the Company in writing within 30 days from the billing date. The Company will make every effort to investigate such disputes and reconcile any differences within 30 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)
- H.** Usage Charges for Mobile Originating Traffic
1. Usage charges apply to mobile originated calls, 1) terminating within the local calling area (LCA), and 2) inter-LCA/intraLATA calls terminating within the franchised serving area of the Company.
  2. Usage charges will not apply to calls to Company Business Offices, Directory Assistance, E911 Emergency Service, or operator assisted and other services for which a charge or surcharge already applies.
  3. The usage rates developed for mobile originating traffic, as referenced in *paragraph* 1 were developed using traffic mixes negotiated with Cellular industry representatives and rate elements from existing *guidebooks*. (T)
- I.** Optional Land-to-Mobile (LTM) Calling Plan
1. An optional Land-to-Mobile (LTM) calling plan is available to the MSP's. The LTM option allows intraLATA toll calls and calls which terminate outside the limited local calling area but within the full local calling area of the originating caller's wire center from numbers served by the Company and terminating in the MSP network to be excluded from the originating customer's bill. The limited local calling area and full local calling area are defined in A3.6. Land line calls rated as local and within the limited Local Calling Area, as described in A3.6, are not covered by this plan. The MSP will pay a usage charge per *paragraph* A35.1.6.C.3, in lieu of charges which would have been applicable to the originating user. (T)
  2. (DELETED)
  3. Usage for LTM is billed by rounding each call to the next 1/10 minute, summing the time for all calls during the billing period, multiplying by the rate per minute (as specified in *paragraph* A35.1.6.C.3.), and rounding the result to the nearest whole cent. A minimum average time requirement (MATR) of 30 seconds is applicable. That is, if the average time per call for a billing period is less than 30 seconds, the usage will be computed as if all calls were 30 seconds in length. (T)
- J.** Optional Selective Exchange LTM Calling Plan
1. This optional plan allows IntraLATA toll calls and calls which terminate outside the limited local calling area but within the full local calling area of the originating caller's wire center from numbers in the selected exchanges served by the Company and terminating in the MSP network to be excluded from the originating customer's bill. The limited local calling area and full local calling area are defined in A3.6. Land line calls rated as local and within the limited Local Calling Area, as described in A3.6, are not covered by this plan. The MSP will pay the charges set forth in *paragraph* A35.1.6.C.4, in lieu of charges which would have been applicable to the originating user. (T)
- K.** Usage Charges - Miscellaneous
1. 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.
  2. All usage charges (except Land-to-Mobile Option) are billed by rounding each call to the next whole minute.

## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)

#### A35.1.1 General (Cont'd)

- K. Usage Charges - Miscellaneous (Cont'd)**
3. In cases where the Company cannot measure usage, the MSP will be required to provide usage monthly in a Company prescribed format, fifteen (15) calendar days from the close of the billing period, to be used for bill preparation. In cases where the MSP cannot measure usage but can supply the number of messages, the Company may apply a per message rate equal to 2.3 minutes times the applicable usage rate per minute. In cases where neither the Company nor the MSP can measure, an assumed number of 3300 messages per trunk per month at 2.3 minutes per message will be used for billing purposes.
- L. 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 TL.207-1989), to be used for test purposes. When a dedicated NXX is assigned for CMRS Type 1 service, then the NXX resides in the Company end office, in which case the Company will terminate on an MSP selected number in a milliwatt test line. (T)
  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 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 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: (T)
    - 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 limited local calling area than the exchange where the MSP's interconnection exists.
  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 CMRS Type 2A/Type 2A-SS7 interconnection must exist at the POP. Both locations must be served by the same tandem. (T)
- M. Miscellaneous Information - Type of Interconnection Service**
1. Interconnection services are designated as CMRS Local Loop Lines, CMRS Local Loop Trunks, CMRS Type 1 circuits, CMRS Type 2A circuits and CMRS Type 2B circuits. Details of CMRS Type 1, CMRS Type 2A and CMRS 2B service types can be found in Bellcore documents, TR-NPL-000145, Compatibility Information for Interconnection of a CMC and a LEC Network, and TR-EOP-000352, CMC Interconnection Transmission Plans. Other pertinent reference material can be found in Bell System Publication 43303, Bell System Public Switched Telephone Service Interconnection Criteria for Domestic Public Land Mobile Service, Domestic Cellular Telecommunications Service and Maritime Radio Service, and Bell System Publication 61100, Description of the Analog Voiceband Interface between the Bell System Local Exchange Line and Terminal Equipment. The MSP shall comply with the technical specifications and call protocols, including Special Information Tones and user announcements, as set forth in these documents or revisions as approved by the Company. (T)
  2. The MSP shall provide a voice intercept announcement or distinctive tone signals to the calling party when a call is directed to a number that is not assigned by the carrier.
  3. The MSP shall return answer supervision on all calls except those routed to certain recordings indicating network conditions.
  4. CMRS Local Loop Trunks, CMRS Type 1, CMRS Type 2A and CMRS Type 2B circuits may be optioned for one-way inward (to the MSP), one-way outward (from the MSP), or two-way signaling. (T)

## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)

#### A35.1.1 General (Cont'd)

##### M. Miscellaneous Information - Type of Interconnection Service (Cont'd)

5. CMRS Type 1, CMRS Type 2A and CMRS Type 2B circuits are four wire circuits using only multi-frequency (MF) address pulsing with wink start operations and E&M supervision.
6. 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 (C.O.). Where the C.O. can technically provide service as specified in the technical publications, but cannot measure due to switch limitations, such as software unavailability, then the Company may provide the service from a C.O. other than the MSP's serving C.O. at no additional charge to the MSP. Where a C.O. cannot technically provide a mobile service interconnection as specified in the technical publications because of equipment type, then the MSP must select an alternate C.O. capable of providing the requested type of service, in which case appropriate mileage rates will apply.

##### N. MSP Selective Class of Call Screening

1. MSP Selective Class of Call Screening (SCCS) is an optional service available with CMRS Local Loop Lines, CMRS Local Loop Trunks and CMRS Type 1 Service.
2. MSP SCCS is offered with two options.<sup>1</sup>

Option 1 - Provides 0+ and 0- screening capability to force alternate billing and provides central office blocking of 1+, 101XXXX 1+, 976 and 900 calls.

Option 2 - Provides 0+ and 0- screening capability to force alternate billing but allows 1+, and 101XXXX 1+ calls. 976 and 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. Subscribing to this service does not relieve the MSP of responsibility for charges associated with other type calls.
4. When Option 2 is selected, the MSP assumes responsibility for all sent-paid toll charges.
5. All local calls and calls to Company number 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.

(C)

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

- A. CMRS Local Loop Lines are equivalent to measured business lines.
- B. CMRS Local Loop Trunks arranged for one-way outward (MSP to C.O.) or two-way traffic may be optioned for either loop or ground start operation. CMRS Local Loop Trunks arranged for one-way inward (C.O. to MSP) traffic with out-pulsing of digits uses reverse battery supervision and may be optioned for either wink start or immediate start operation.
- C. Call Screening and Restriction Services - Customized Code Restriction (A13.20) is an optional service available with CMRS Local Loop Lines and CMRS Local Loop Trunks, subject to the availability of suitably equipped central offices.
- D. Coincident with the availability of RegionServ service in a wire center, CMRS Local Loop Lines and CMRS Local Loop Trunks will provide local (7 digit) dialing for mobile originating traffic from the home wire center to all wire centers within a 40 mile radius, based on airline miles, in addition to the existing local calling area as described in A3.6.

**Note 1:** Effective March 19, 2016, Collect, Person to Person, Bill to a Third Number calls and Local Verification/Interruption Service are discontinued.

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## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)

#### A35.1.3 CMRS Type 1 Interconnection

- A. A CMRS Type 1 interconnection is a connection between a Company end office and an MSP's point of termination. With a CMRS Type 1 interconnection, the MSP can establish connections to valid NXX codes in the LATA, Directory Assistance, Operator Services (0- and 0+), Service Access Codes (700, 800, 900), and access to Interexchange Carriers (IC's) and International Carriers (INC's).<sup>1</sup> (C)
- B. Trunk groups containing the CMRS Type 1 connection must be presubscribed to an IC chosen by the MSP to complete inter-LATA calls. The MSP can access other IC's by using the 101XXXX code.
- C. Call Screening and Restriction Services - Customized Code Restriction (A13.20) is an optional service available with CMRS Type 1 Service, subject to the availability of suitably equipped central offices.

#### A35.1.4 CMRS Type 2 Interconnection

- A. CMRS Type 2A
  - 1. A CMRS Type 2A interconnection is a connection between a Company access tandem office to an MSP's point of termination. The MSP switch acts like an end office.
  - 2. CMRS Type 2A interconnections to access tandems can be optioned so that the MSP switch appears as either an equal access end office (EAEO) or a non-confirming end office.
  - 3. For an MSP that offers equal access to its customers, a CMRS Type 2A interconnection to an access tandem can establish connections to valid NXX codes in the LATA, to Service Access Codes (700, 800, 900), to IC's and INC's. Access to Operator Services (0- and 0+) and N11 codes is not permitted; those calls must be completed over a separate CMRS Type 1 interconnection.<sup>1</sup> (C)
  - 4. For an MSP that does not offer equal access to its customers, a CMRS Type 2A interconnection to an access tandem can establish connections to valid NXX codes in the LATA, to Service Access Codes (700, 800, 900), and to a Feature Group A (FGA), FGB, or FGC IC. Access to Operator Services (0- and 0+) and N11 codes is not permitted; those calls must be completed over a separate CMRS Type 1 interconnection.
  - 5. If a CMRS Type 2A interconnection is optioned for two-way or one-way inward (to the MSP), an NXX code dedicated to the MSP is required.
  - 6. CMRS Type 2A service may be optioned for Common Channel Signaling using Signaling System 7 (CCS7) protocols, hereafter referred to as CMRS Type 2A-SS7. Mobile originated traffic over CMRS Type 2A-SS7 service is limited to intraLATA terminations where technical limitations exist in Company tandem offices. However, interLATA as well as intraLATA traffic originated from another location may terminate to the MSP's network over this service. As technical limitations are removed at individual tandem offices, mobile originated traffic over CMRS Type 2A-SS7 service will no longer be limited to intraLATA terminations through those offices.
  - 7. When 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 MSP. Any failure of the MSP to implement appropriate blocking measures will be considered cause for the Company to immediately disconnect the CMRS Type 2A-SS7 service.
  - 8. CMRS Type 2A-SS7 service allows the MSP to subscribe to CCSIMT service from Section A35, in order to connect the MSP's signaling network to the Company's signaling network, or the MSP may use an alternate arrangement that interconnects with the Company's signaling network, if technically feasible. Signaling links will be required to the Company's mated Signaling Transfer Points (STP's) in each LATA in which CMRS Type 2A-SS7 service is desired. If B Link connections are used to connect to the Company STP's and there is more than one mated pair of Company STP's within the LATA, the MSP must establish signaling links to all STP pairs in that LATA. If an A Link connection is used to connect to the Company STP's and there are more than one set of mated Company STP pairs in the LATA, the MSP must establish signaling links to the "home" Company STP pair. The "home" STP pair will be determined by using the same criteria as for Company end offices and may be based on location, traffic patterns, or traffic volumes. The Company may require additional A Link signaling connections to additional STP pairs within the LATA should traffic volumes dictate. If an alternate arrangement for SS7 signaling links is utilized, Service Installation Guarantee is not applicable.

**Note 1:** Effective March 19, 2016, Collect, Person to Person, Bill to a Third Number calls and Local Verification/Interruption Service are discontinued. (N)

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

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

**B. CMRS Type 2B**

1. CMRS Type 2B interconnection is a connection between a Company end office and the MSP's point of termination. This type connection provides a high usage route to/from NXX codes located in the end office. This type connection is intended to be used with a CMRS Type 2A interconnection, with first choice routing from the MSP to the end office and overflow allowed via a type 2A connection.

**C. CMRS Type 2C'**

1. CMRS Type 2C interconnection is a connection between a Company E911 tandem *or a Company demarcation point for an AT&T ESInet*. This type connection provides a route to allow the CMRS's subscriber to place E911 calls.

(C)

(C)

**A35.1.5 Circuit Direction Options**

**A. CMRS Local Loop Line Direction - Voice Grade Facilities**  
Not required.

**B. CMRS Local Loop Trunk Direction - Voice Grade Facilities**  
See paragraph A35.1.6.A.2.

**C. CMRS Type 1 and CMRS Type 2 Circuit Direction - Voice Grade Facilities**

	Nonrecurring Charge	Monthly Rate	USOC
1. CMRS Type 1			
(a) Two-way	-	-	<b>BSVBC</b>
(b) One-way Inward (C.O. to MSP)	-	-	<b>BSVB1</b>
(c) One-way Outward (MSP to C.O.)	-	-	<b>BSVBO</b>
2. CMRS Type 2A			
(a) Two-way	-	-	<b>BSVCC</b>
(b) One-way Inward (C.O. to MSP)	-	-	<b>BSVC1</b>
(c) One-way Outward (MSP to C.O.)	-	-	<b>BSVCO</b>
3. CMRS Type 2B			
(a) Two-way	-	-	<b>BSVEC</b>
(b) One-way Inward (C.O. to MSP)	-	-	<b>BSVE1</b>
(c) One-way Outward (MSP to C.O.)	-	-	<b>BSVEO</b>
4. CMRS Type 2C			
(a) CAMA or Feature Group D (as defined in J-STD-034 and TIA/EIA, without the optional pause for acknowledgement)	<b>\$1,630.00</b>	-	<b>MR9CC</b>
(b) SS7/ISUP (as defined in Telcordia GR-2956 Core, CCS/SS7 Generic Requirements in support of E9-1-1 Service)	<b>1,630.00</b>	-	<b>MR9S7</b>

**D. CMRS Local Loop Line Direction - DS1 Service**

See Network Access Service CAR Package in paragraph A35.1.6.B.3.

**E. CMRS Local Loop Trunk Direction - DS1 Service**

See Network Access Service CAR Package in paragraph A35.1.6.B.3.

**F. CMRS Type 1 and CMRS Type 2 Circuit Direction - DS1 Facilities**

See Network Access Service CAR Package in paragraph A35.1.6.B.3.

**Note 1:** CMRS Type 2C interconnection is a connection between a Company E911 tandem and the MSP's point of termination. This type connection provides a route to allow the CMRS subscriber to place E911 calls.

(N)



**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges**

**A. Voice Grade Service**

	Nonrecurring Charge	Monthly Rate	USOC	
1. CMRS Local Loop Line with expanded 7 digit dialing				(T)
(a) Measured, without rotary <sup>1</sup>	-	\$24.00	LCVXN	
(b) Measured, with rotary <sup>1</sup>	-	36.00	LCVXR	
2. CMRS Local Loop Trunk (2 wire)				(T)
a. One-way outward and two-way <sup>2</sup> with expanded 7 digit dialing				
(1) Local loop without rotary				
(a) Two-way	-	31.00	OPL2N	
(b) One-way outward (MSP to C.O.)	-	31.00	OPLON	
(2) Local loop with rotary				
(a) Two-way	-	46.50	OPL2R	
b. One-way inward <sup>3,4</sup> (includes rotary)				
(1) Local loop				
(a) Each	-	46.50	OPL1R	
(2) Trunk termination				
(a) Direct Inward Dialing <sup>5</sup> (C.O. to MSP)	\$50.00	26.00	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. CMRS Local Loop Line and CMRS Local Loop Trunk Quantity Credits (effective 01-01-94) <sup>6</sup>				(T)
(a) CMRS Local Loop line/trunk quantity credit	-	10.00	NA	(T)
<b>Note 1:</b> Equivalent to a measured business line.				
<b>Note 2:</b> May be optioned for either loop or ground start operation.				
<b>Note 3:</b> Uses reverse battery supervision. May be optioned for either wink start or immediate start operation.				
<b>Note 4:</b> This service provides outpulsing of digits from the central office toward the MSP (direct inward dialing service).				
<b>Note 5:</b> Uses dial pulse address pulsing.				
<b>Note 6:</b> Effective at the start of the first full customer bill period in 1994, when the total number of CMRS Local Loop Lines plus CMRS Local Loop Trunks from an MSP's location to the same central office equals five (5) or more, the credit <i>shown in paragraph 3. (a)</i> will be applied to each line or trunk equipped with rotary service (including CMRS Local Loop Trunks arranged for Direct Inward Dialing)..				(T)(M)

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

- A. Voice Grade Service (Cont'd)
  - 4. **(DELETED)**
  - 5. CMRS Type 1 or CMRS Type 2 circuits (4 wire)
    - a. Facilities

(D)  
(T)

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(1) Local loop <sup>1</sup>			
(a) Local loop, 1st	<b>\$335.00</b>	<b>\$45.00</b>	<b>BSVVG</b>
(b) Local loop, each additional <sup>2</sup>	<b>145.00</b>	<b>45.00</b>	<b>BSVVG</b>
(2) Signaling			
(a) E&M (per loop)	<b>40.00</b>	<b>10.00</b>	<b>BSVEM</b>
(3) C.O. Equipment termination			
(a) Trunk termination (per loop)	<b>12.90</b>	<b>37.25</b>	<b>BSVTP</b>

**Note 1:** A local loop extends from the carrier location to the serving wire center.

**Note 2:** Each additional loop from the same carrier location to the same wire center.

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

**A. Voice Grade Service (Cont'd)**

**4. Interoffice channels**

The following rates and charges apply when the carrier requests connection to a wire center which is not the normal serving wire center for the carrier location.

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) 0 thru 8 miles, fixed charge (per channel)	<b>\$93.00</b>	<b>\$30.00</b>	<b>BSVEN</b>
(b) 0 thru 8 miles, per airline mile or fraction thereof	-	<b>2.05</b>	<b>BSVEN</b>
(c) 9 thru 25 miles, fixed charge (per channel)	<b>93.00</b>	<b>30.00</b>	<b>BSVEN</b>
(d) 9 thru 25 miles, per airline mile or fraction thereof	-	<b>2.00</b>	<b>BSVEN</b>
(e) Over 25 miles, fixed charge (per channel)	<b>93.00</b>	<b>30.00</b>	<b>BSVEN</b>
(f) Over 25 miles, per airline mile or fraction thereof	-	<b>1.95</b>	<b>BSVEN</b>

**B. DS1 Service<sup>1</sup>**

**1. Twenty Four (24) Voice Equivalent Channel Increments**

**a. Facilities**

- (1) Facilities are provided at the rates specified for MegaLink, MegaLink Light, SMARTRing or LightGate services, per Section B7 of the Private Line *Guidebook*. LightGate service (a.k.a. SPA Point to Point Network) or SMARTRing service (a.k.a. SPA Dedicated Ring) facilities may also be utilized from F.C.C. No. 1 Tariff, Section 7. Note that any service establishment fee for these services is applicable. (T)
- (2) SMARTRing service as provided in Section B. of the intrastate Private Line *Guidebook* as of May 20, 1996 may be utilized. If additions or changes are subsequently made to SMARTRing service in Section B7 of the intrastate Private Line *Guidebook*, the SMARTRing service 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

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) Analog Company switch	<b>\$90.00</b>	<b>\$456.00</b>	<b>UTQAX</b>
(b) Digital Company switch	<b>90.00</b>	<b>147.25</b>	<b>UTQDX</b>

**2. Less than Twenty Four (24) Voice Equivalent Channel Increments**

**a. Facilities**

- (1) Facilities are provided at the rates specified for MegaLink, MegaLink Light, SMARTRing or LightGate services, per Section B7 of the Private Line *Guidebook*. LightGate service (a.k.a. SPA Point to Point Network) or SMARTRing service (a.k.a. SPA Dedicated Ring) facilities may also be utilized from F.C.C. No. 1 Tariff, Section 7. Note that any service establishment fee for these services is applicable. (T)
- (2) SMARTRing service as provided in Section B7 of the intrastate Private Line *Guidebook* as of May 20, 1996 may be utilized. If additions or changes are subsequently made to SMARTRing service in Section B7 of the intrastate Private Line *Guidebook*, the SMARTRing service 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 24 channels at the central office, plus feature activation charges for the number of channels ordered. (T)

**Note 1:** DS1 service denotes 24 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 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

**B. DS1 Service<sup>1</sup> (Cont'd)**

**2. Less than Twenty Four (24) Voice Equivalent Channel Increments (Cont'd)**

**c. Voice grade trunk terminations**

When less than 24 channels are provided on DS1 service, rates and charges for voice grade trunk terminations apply in addition to facility and channelization rates and charges, for one-way inward CMRS Local Loop Trunks, CMRS Type 1, CMRS Type 2A, CMRS Type 2B and *CMRS Type 2C circuits*. A voice grade trunk termination applies for each channel activated. (C)

**(1) CMRS Local Loop Trunks**

	<b>Nonrecurring Charge</b>	<b>Monthly Rate</b>	<b>USOC</b>
(a) Direct Inward Dialing (DID) trunk termination equipped for dial pulse address pulsing	<b>\$50.00</b>	<b>\$26.00</b>	<b>RTBAX</b>
(b) DID trunk termination equipped for dual tone multifrequency (DTMF) address pulsing	<b>50.00</b>	<b>33.50</b>	<b>RTBBX</b>
(c) DID trunk termination equipped for multifrequency (MF) address pulsing	<b>50.00</b>	<b>33.50</b>	<b>RTBCX</b>

**Note 1:** DS1 service denotes 24 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 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

**B. DS1 Service<sup>1</sup> (Cont'd)**

	Nonrecurring Charge	Monthly Rate	USOC
2. Less than Twenty-Four (24) Voice Equivalent Channel Increments (Cont'd)			
c. Voice grade trunk terminations (Cont'd)			
(2) CMRS Type 1, CMRS Type 2A, CMRS Type 2B <i>or</i> CMRS Type 2C circuits			(C)
(a) Per voice equivalent channel activated	\$12.90	\$37.25	BSVTP
3. Network Access Service			
a. Control Access Register (CAR) package, per voice equivalent channel			
(1) CMRS Type 1			
(a) Two-way	-	10.00	BSVSC
(b) One-way Inward (C.O. to MSP)	-	10.00	BSVS1
(c) One-way Outward (MSP to C.O.)	-	10.00	BSVSO
(2) CMRS Type 2A or Type 2C			
(a) Two-way	-	10.00	BSVTC
(b) One-way Inward (C.O. to MSP)	-	10.00	BSVT1
(c) One-way Outward (MSP to C.O.)	-	10.00	BSVTO
(3) CMRS Type 2B			
(a) Two-way	-	10.00	BSVMC
(b) One-way Inward (C.O. to MSP)	-	10.00	BSVM1
(c) One-way Outward (MSP to C.O.)	-	10.00	BSVMO
(4) CMRS Local Loop Trunks			
(a) Two-way with expanded 7 digit dialing	-	10.00	CAR2T
(b) One-way Inward (C.O. to MSP)	-	10.00	CAR1T
(c) One-way Outward (MSP to C.O.) with expanded 7 digit dialing	-	10.00	CAROT
(5) CMRS Local Loop Lines			
(a) Two-way with expanded 7 digit dialing	-	10.00	CAR2L
4. Channelization at the MSP location (optional)			
a. Channelization may be provided upon request at the MSP location at the rates specified for MegaLink channel service, per B7.3 of the Private Line Guidebook, to include a basic system of 24 channels at the customer premises, plus feature activation charges for the number of channels ordered.			
<b>Note 1:</b> DS1 service denotes 24 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 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

**C. Usage Rates**

1. The following usage rates apply to mobile originated calls as defined in A35.1.1.G.1. preceding.<sup>1</sup>

	<b>Rate Per Minute of Use</b>	<b>USOC</b>	
2. (a) Mobile originated	<b>\$.01974</b>	<b>NA</b>	
2. <b>(DELETED)</b>			(D)

3. The optional Land-to-Mobile (LTM) calling plan is offered at the following rate.

a. Usage rates

- (1) Point of interconnection within Company territory

	<b>Rate Per Minute of Use</b>	<b>USOC</b>
(a) LTM - Option <sup>2</sup> - Point of interconnection within Company territory	<b>\$.035</b>	<b>NA</b>
(2) Point of interconnection within Independent Company territory		
(a) LTM Option <sup>2</sup> - Point of interconnection within Independent Company territory	<b>.13558</b>	<b>NA</b>

b. Nonrecurring Charge

- (1) Per LATA

	<b>Nonrecurring Charge</b>	<b>USOC</b>
(a) Chattanooga LATA	<b>\$1,930.00</b>	<b>MTVCL</b>
(b) Knoxville LATA	<b>3,100.00</b>	<b>MTVKN</b>
(c) Memphis LATA	<b>3,290.00</b>	<b>MTVME</b>
(d) Nashville LATA	<b>5,130.00</b>	<b>MTVNA</b>

**Note 1:** Where the number of messages must be used for bill preparation, a per call charge for mobile originating traffic of \$.04540 will apply.

**Note 2:** Each call will be rounded to the next 1/10 minute.

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

**C. Usage Rates (Cont'd)**

4. The optional Selective Exchange LTM Calling Plan is offered at the following rates. (N)

a. Usage Rates (N)

Usage rates are the same as in 3.a. preceding. (N)

b. Nonrecurring Charge (N)

(1) Selective Exchange LTM (N)

(a) Per central office switch translation

<b>Nonrecurring</b>		
<b>Charge</b>	<b>USOC</b>	
<b>\$250.00</b>	<b>MTUSE</b>	(N)

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

	Nonrecurring Charge	Monthly Rate	USOC	
<b>D. NXX Establishment Charge</b>				
1. The following charge applies to the establishment of a dedicated NXX or the subsequent movement of that NXX to a different central office in the Company's territory. <sup>1</sup>				
(a) Per NXX established	-	-	<b>BSVAA</b>	
<b>E. Number assignments</b>				
1. The following charges apply to the assignment of numbers for inward dialing using CMRS Type 1 circuits or CMRS Local Loop Trunks.				(T)
(a) Per group of 100 numbers, <sup>2</sup> shared NXX	-	<b>\$0.03</b>	<b>BSV1A</b>	
(b) Per group of 20 numbers, <sup>2</sup> shared NXX	-	<b>0.006</b>	<b>NDX</b>	
(c) Per group of 1000 numbers activated in a dedicated NXX	-	<b>0.30</b>	<b>NADAA</b>	
(d) Per group of 100 numbers activated in a dedicated NXX	-	<b>0.03</b>	<b>B10</b>	
(e) Per group of 100 numbers activated in a dedicated NXX with a scope of less than 100 numbers	-	<b>0.03</b>	<b>B12</b>	
<b>F. Mobile Service Provider (MSP) 800 Service to Direct Inward Dialing (DID)</b>				
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, <sup>3</sup> voice grade	-	-	<b>LWZSQ</b>	
(b) 800 Service Access Trunk, <sup>4</sup> on High Capacity facilities	-	-	<b>WHMS+</b>	
<b>Note 1:</b> Assignment of NXX codes is subject to code conservation measures as outlined in Bellcore TR-NPL-00275. When a MSP requests a subsequent dedicated NXX, it will be made available provided that at least seventy percent (70%) of the numbers in the already assigned NXX codes have been utilized by the MSP and the MSP has provided periodic forecasts of the number requirements to the Company.				
<b>Note 2:</b> Numbers provided from this <i>Guidebook</i> Section are sequential within a number group.				(T)
<b>Note 3:</b> 800 Service Access Trunk rate for voice grade is the same as the 800 Service Access Line rate displayed in Section A19. (USOC: for RCC application LWZSQ is equivalent to 8L9++).				
<b>Note 4:</b> 800 Service Access Trunk rate for use on 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 WH9S+). This rate element provides for interconnection on a per channel basis to the toll network. The Control Access Register rate will not apply in this case.				(T)



**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.1 Interconnection Services for Mobile Service Providers (MSP's) (Cont'd)**

**A35.1.6 Rates and Charges (Cont'd)**

	Nonrecurring Charge	Monthly Rate	USOC	
<b>F.</b> Mobile Service Provider (MSP) 800 Service to Direct Inward Dialing (DID) (Cont'd)				
1. (Cont'd)				
(c) 800 Service Network Usage <sup>1</sup>	-	-	NA	
(d) 800 Service DID trunk terminations <sup>2,3</sup>	\$ 50.00	\$26.00	NDT	
(e) Establish trunk group and provide first group of 100 numbers from an 800 code assigned for RCC Services	480.00	17.00	T9B	
(f) Each additional group of 100 numbers from an 800 code assigned for RCC services.	480.00	17.00	T9BEA	
<b>G.</b> MSP Selective Class of Call Screening				
1. The following monthly rates are applicable for MSP Selective Class of Call Screening.				
(a) Option 1 - 1+ and 101XXXX 1+ blocked <sup>4</sup>		7.10	SRGM1	
(b) Option 2 - 1+ and 101XXXX 1+ allowed <sup>4</sup>		7.10	SRGM2	
<b>Note 1:</b> Rates and charges for the 800 usage as specified in Section A19 apply.				(T)
<b>Note 2:</b> 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.				
<b>Note 3:</b> If the subscriber to DID 800 Service on High Capacity facilities activates all 24 channels of a DS1 at the time of installation, the 800 Service DID trunk termination rate does not apply to the channels on that DS1. If the subscriber activates less than 24 channels, the 800 Service DID trunk termination rate applies.				(T)
<b>Note 4:</b> See <i>paragraph</i> A35.1.1.J for a description of the options.				(T) (M)

**A35.2 (DELETED)**

Pages 9 through 12 are hereby deleted in their entirety and removed from this Guidebook.

(N)

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## 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)

#### A35.3.2 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 as soon as possible. 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 *paragraph* A35.1.6.C apply to DACC calls completed over this interconnection. These usage charges apply according to the specifications outlined in *paragraph* A35.1.1.G or A35.1.1.H, except that the rating for these mobile originated calls will be based on the screening number in all cases. (T)

### A35. INTERCONNECTION OF MOBILE SERVICES

#### A35.3 Operator Services Interconnection (Cont'd)

##### 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 number must be provided by the MSP for Operator Service Interconnection. The chosen number can only then be used in the provisioning of this service. The MSP may use a number from an existing dedicated NXX. However, the MSP must use a number from a dedicated NXX to achieve customer branding. (T)

##### 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, SMARTRing service and LightGate service from Section B7 of the Private Line *Guidebook* are used to rate the facilities used for Operator Services Interconnection. LightGate service (a.k.a. SPA Point to Point Network) or SMARTRing service (a.k.a. SPA Dedicated Ring) from F.C.C. No. 1 Tariff, Section 7, may also be used. The terms and conditions which apply for those services apply here, including the application of any service establishment charges. (T)

##### A35.3.5 Rates and Charges

- A. Facilities
  - 1. The following facility rates apply:
    - a. Rates for digital private line services (either MegaLink service, MegaLink Light service or LightGate service, as provided in Section B7 of the Private Line *Guidebook* apply from the customer premises to the Company serving wire center. (T)

	Nonrecurring Charge	Monthly Rate	USOC
B. Equipment Termination			
1. Trunk Termination, per DS1			
(a) At Company TOPS Tandem Switch	\$90.00	\$147.25	OSNET
C. Network Access Service			
1. Voice Grade Equivalent			
(a) Per Channel	-	10.00	OSNCA

#### A35.4 Connection of Commercial Mobile Radio Service Providers to E911 Services

##### A35.4.1 Service Description

- A. This service provides connection between a CMRS 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 provider 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 911 calls to the *Company* E911 tandem with voice, P-ANI and call back number (CBN) of the caller for Phase 1 compliance. The *Company* 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). (T)
  - 2. The CAMA Interconnection will allow the CMRS provider to pass wireless 911 calls with voice and P-ANI to the *Company* E911 tandem, for delivery to the PSAP. The CMRS provider will need to establish Non Call path 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 *paragraphs* 1 and 2, 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 *paragraph* 2 is chosen, the CMRS provider will still need to establish Non-Call path 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)

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**A35. INTERCONNECTION OF MOBILE SERVICES****A35.4 Connection of Commercial Mobile Radio Service Providers to E911 Services  
(Cont'd)****A35.4.1 Service Description (Cont'd)**

- 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 Section A13) 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)

## A35. INTERCONNECTION OF MOBILE SERVICES

### A35.4 Connection of Commercial Mobile Radio Service Providers to E911 Services (Cont'd)

#### A35.4.1 Service Description (Cont'd)

- 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 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 consists of data records provided by various service providers located within the *Company's* E911 service area. Each service provider, including the CMRS, is responsible for providing their data records for the E911 database. These records must be present in the E911 database for selective routing and 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 call back number (CBN) or the longitude/latitude of the caller's location when initially inserted into the database. The CBN and longitude/latitude information is populated dynamically in the E911 database during the call processing. Information for providing data for the E911 database may be found in the E911 Wireless Carrier Guide available from *AT&T* Interconnection Services. (T)
- E. The *Company's* E911 System and ALI computers support different application level protocols for accepting Phase 1 and Phase 2 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*-supported solutions are listed in Technical Reference document TR 73610. Detailed application level specifications for these solutions are available directly from each of the respective manufacturer. (T)

#### A35.4.2 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 A35.4.5 shall apply for connection of service or rearrangement.
- 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)
- H. The Company is not responsible for the location determination technology, the accuracy of the location determination technology, or the investigation or maintenance of said technologies. Only the data required and specified by the FCC in its Report and Order 94-102 will be delivered by the Company to the PSAP and only when said data has been provided by the CMRS. This required data includes the cell site or sector location, the callback number, and the longitude/latitude of the caller. The CMRS agrees that delivery, or lack of delivery, of additional data elements which may be provided by the CMRS will not be the responsibility of the Company and the Company assumes no responsibility or liability for such information

#### A35.4.3 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.

**A35. INTERCONNECTION OF MOBILE SERVICES**

**A35.4 Connection of Commercial Mobile Radio Service Providers to E911 Services (Cont'd)**

**A35.4.3 Obligations of the CMRS (Cont'd)**

- 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 numbers will then be passed to the Company 911 tandem as an ANI signal. (T)
- 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 call-back number and longitude/latitude 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)
- F. The CMRS must have obtained an E2 interface to the Company E911 databases that complies with the Technical Reference TR #73610. This interface will be used by the CMRS to provide real-time updates for Phase 1 and/or Phase 2 information. (T)
- G. The CMRS must provide the Company information about the E2 interface including type of connections, IP addresses, MPC identifiers, and P-ANI ranges necessary to properly establish the E2 interface to the Company E911 databases.
- H. The CMRS must have Position Determining Entity (PDE) and a Mobile Position Center (MPC) in their network to provide Phase 2 location information.

**A35.4.4 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 turn-key Phase 1 network solution.

**A35.4.5 Rates and Charges**

- A. CMRS E911 Direct Routing (T)
  - 1. E911 tandem connected

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