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Modifies Wireless Phase 2 tariff to include ALI Database Upgrade

TARIFF SECTION

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A. Description of Service

Wireless E911 Phase 2 is only available in combination with Enhanced Universal Emergency Number Service – E911 as specified in **A13.27.5** and is subject to the regulations specified therein. (C)

In accordance with the FCC's Report and Order 94-102, Wireless E911 Phase 2 provides PSAPs with the wireless E911 caller's location and callback number (CBN) information, as specified by the FCC. The FCC has adopted specific handset-based and network-based location accuracy and reliability solutions' standards for the Wireless Service Providers (WSPs). (T)

B. General Regulations

1. 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. This required data includes the cell site or sector location, the callback number, and the longitude/latitude of the caller. Each customer agrees that delivery, or lack of delivery, of additional data elements which may be provided by the WSP will not be the responsibility of the Company and the Company assumes no responsibility or liability for such information.

2. PSAPs must have all required elements of Wireless E911 Phase 1, utilizing p-ANI routing and cell site/sector location based information, in place before implementing Phase 2. In addition, the following requirements must be met prior to Phase 2 implementation:

a. PSAPs must **order both** the Bellsouth Extended ALI *Display Format and the ALI Database Upgrade for Wireless Phase 2* to accommodate the x/y data **provided by Wireless E911 Phase 2 Service**. See rates in F. following. (C)

b. WSPs must have Position Determining Entity (PDE) and a Mobile Position Center (MPC) in their network.

c. WSPs must have obtained **an E2** interface to BellSouth's ALI database **that complies with the latest issue of BellSouth Technical Reference 73610. This interface will be used by the WSP** to provide the Phase 2 data. (C)

C. Definition of Terms

1. Callback Number (CBN) (T)

The wireless **caller's 10-digit** handset telephone number. The CBN is used by the PSAP to reestablish a call in the event the call was prematurely disconnected.

2. E2 Interface

A reference point for a data path that exists between an MPC and an ESME (the ALI database). The data that traverses the E2 interface is made up of an Emergency Services Position Request and the response. The E2 interface is not provided by and is not the responsibility of the Company.

3. Emergency Services Message Entity (ESME)

An entity in the emergency services network which serves as the point of interface to an MSC for common channel emergency services messaging. ESME is another term for the ALI database.

4. Mobile Position Center (MPC) (C)

The interface between the wireless network and the **BellSouth ALI databases**. The MPC **serves as the wireless network entity which** retrieves, forwards, stores, and controls position data within the **wireless** location network. The MPC is not provided by and is not the responsibility of the Company. **Global System for Mobile (GSM) communication Gateway Mobile Location Centers (GMLCs) will be treated as MPCs by the Company.**

5. Mobile Switching Center (MSC)

The wireless equivalent of a Central Office, which provides switching functions for wireless calls. The MSC is not provided by and is not the responsibility of the Company.

6. Phase 2 NCAS (T)

In this mode the p-ANI and the CBN are **both** sent to the Selective Router. The trunk between the Selective Router and the PSAP must support transport of at least two 10-digit numbers.

7. Position Determining Entity (PDE) (T)

The PDE determines the geographic location of a wireless handset when the wireless caller places a 911 call or while the call is in process. The PDE is not provided by and is not the responsibility of the Company.

8. WLS911

The BellSouth solution that sends either eight or ten digits of ANI to the PSAP and dynamically updates the static cell site or sector information with the CBN as provided by the WSP. This solution when used in conjunction with a WSP's E2 interface allows WSPs to comply with the FCC's order without requiring PSAPs to upgrade their PSAP equipment to utilize Enhanced MF signaling.

A13. MISCELLANEOUS SERVICE ARRANGEMENTS

A13.27 Emergency Reporting Services (Cont'd)

A13.27.6 Wireless E911 Phase 2

C. Definition of Terms (cont'd)

9. Wireless Service Provider (WSP)

A person or entity that provides Commercial Mobile Radio Service (CMRS). The term wireless includes service provided by any wireless real-time, two-way voice communication device, including radio-telephone communications used in cellular telephone service, personal communication service (PCS), or functional or competitive equivalent. The term does not include service providers whose customers do not have access to 911 or 911-like services.

10. Wireline Compatibility Mode

Occurs when the WSP sends only p-ANI to the BellSouth E911 tandem and the PSAP receives eight or ten digits of ANI.

11. X,Y Coordinates

The longitude and latitude of the 911 wireless caller's location.

D. Enhanced MF

Enhanced MF (EMF) is a signaling protocol from the 911 Tandem to the PSAP. Enhanced MF accommodates either ten or 20 digits of ANI. Enhanced MF is not a requirement of Wireless Phase 2 implementation but EMF must be used by PSAPs when an interconnecting Wireless Service Provider chooses the Phase 2 NCAS Mode (as defined in J-STD-036 Annex D, Table D.1.2. *and/or D.2.*), without WLS911. If an interconnecting WSP chooses a Phase 2 NCAS solution without WLS911, the PSAP's equipment must be 20-digit Enhanced MF capable as described in BellSouth's Technical Reference # 73528, Issue 6. The PSAP must request the Company convert them to EMF signaling when preparing to accept Phase 2 calls from a WSP utilizing Phase 2 NCAS without WLS911. Once a PSAP has been converted to 20 digit EMF Signaling the functionality of WLS911 is disabled for all WSPs serving that PSAP.

E. *Wireless E911 Phase 2 Service*

This service is comprised of two components, Extended ALI Display Format and ALI Database Upgrade for Wireless Phase 2. Both components are required for implementation of this service.

1. Extended ALI Display Format

The PSAP's Automatic Location Identification (ALI) display format must be changed to the BellSouth Extended ALI Display Format to accommodate the longitude and latitude, or x,y coordinates. The provision and delivery of the x,y information to the PSAP requires an E2 interface between the ALI database and the WSP's Mobile Position Center (MPC)/Gateway Mobile Location Center (GMLC). The provisioning of the E2 interface is the responsibility of the WSP.

2. ALI Database Upgrade For Wireless Phase 2

The ALI Database Upgrade For Wireless Phase 2 enables the PSAP to query and retrieve wireless caller location information from the Company's Automatic Location Identification (ALI) database. Location information may include cell site sector location, longitude and latitude of the wireless caller's location, and the wireless caller's callback number (CBN). This upgrade will enable the necessary interfaces, software, and databases to permit the wireless caller's location information to be populated in the Company's ALI database and/or retrieved when queried by the customer's PSAP equipment.

F. Rates and Charges

1. Per PSAP

	Nonrecurring Charge	Monthly Rate	USOC	
(a) Enhanced MF signaling, per PSAP	\$-	\$-	NA	(T)
(b) Extended ALI <i>Display Format</i> , per PSAP	2,200.00	-	XTAL2	(T)
(c) ALI Database Upgrade For Wireless Phase 2, per PSAP	-	190.00	XTAP2	(N)