
BellSouth Interconnection Services

675 West Peachtree Street
Atlanta, Georgia 30375

**Carrier Notification
SN91083177**

Date: July 2, 2002
To: Wireless Service Providers (WSP)
Subject: WSPs - BellSouth Readiness Update for Wireless 911, Phase 2

BellSouth is pleased to provide an update on the readiness of its E911 Service infrastructure in support of Wireless 911, Phase 2. BellSouth will begin offering Wireless 911, Phase 2, service on August 1, 2002. WSPs desiring to order this service should take the following steps:

1. Contact your BellSouth Interconnection Account Manager to obtain and sign the required Interface Agreement, which will be available on July 5, 2002.
2. Identify the interface option your company will utilize using the attached Table 1 and provide your company's choice to John Storey, at:

John.Storey1@bridge.bellsouth.com

3. Order any necessary trunks from your BellSouth Wireless Switching Centers to the BellSouth E911 tandems by contacting the BellSouth Interconnection Account Manager.
4. Identify the entity that will provide your company's E2 Interface from your company's Mobile Position Centers (MPC) to the BellSouth Automatic Location Identification (ALI) database hosts. Ensure that they have the proper connectivity established with the BellSouth ALI database hosts as described in the BellSouth Technical Reference TR73610, Issue 2.
5. Populate your company's required ALI database records in the BellSouth ALI databases following the procedures described in the BellSouth E911 Wireless Carrier Guide.
6. Identify pseudo Automatic Number Identification/Emergency Services Routing Key (pANI/ESRK) ranges that will be utilized for Phase 2 service and provide this information to Intrado following the procedures described in the BellSouth E911 Wireless Carrier Guide.
7. Coordinate turn-up and testing of your company's Phase 2 service with the BellSouth E911 Wireless Implementation Manager, as needed.

Additional information is available at the following BellSouth Web sites:

BellSouth role in Wireless 911: www.bellsouth.com/business/phase2

BellSouth 911 Technical References:
www.interconnection.bellsouth.com/guides/html/tech_ref.html

BellSouth E911 Wireless Carrier Guide:
www.interconnection.bellsouth.com/main/wireless.html

Please contact your BellSouth Interconnection Account Team with any questions.

Sincerely,

ORIGINAL SIGNED BY MATEO CAYMOL FOR JIM BRINKLEY

Jim Brinkley – Senior Director
BellSouth Interconnection Services

Attachment

Wireless Service Providers' interconnection to BellSouth's 911 Tandems

TABLE 1: J-STD-036 Standards

INTERFACE OPTION:	DESCRIPTION:
Wireline Compatibility Mode J-STD-036, Annex D, Table D.1.1	BellSouth receives a pseudo Automatic Number Identification (pANI) from the WSP. BellSouth routes on the pANI and delivers 8 digits of the pANI to the Public Safety Answering Points (PSAP).
Phase 2 Non Call-Path Associated Signaling (NCAS) Mode Without WLS911 , as described in J-STD-036, Annex D, Table D.1.2, using Feature Group D (FGD) signaling as described in D.2.	BellSouth receives both Call Back Number (CBN) and pANI form from the WSP. BellSouth routes on the pANI and delivers the CBN and the pANI to the PSAP. This solution requires delivery of 20 digits to the PSAP using Enhanced Multi-Frequency (MF) (see Note below).
Phase 2 NCAS Mode With WLS911 , as described in J-STD-036, Annex D, Table D.1.2, using FGD signaling as described in D.2.	This solution allows the WSP to continue to use WLS911 as part of its overall Phase 2 architecture design, utilizing FGD signaling for Phase 1 or Phase 2 PSAPs. BellSouth receives both CBN and pANI from the WSP. BellSouth routes on the pANI and then sends the call to the PSAP, using its hybrid Phase 1 solution. This option is available only to WSPs that chose to use the BellSouth WLS911, Phase 1 solution. It is transparently the same as using NCAS as described in J-STD-036, Annex D, table D.1.2, but using FGD signaling as described in D.2. This solution can co-exist with delivery of 8 digits to the PSAP using Centralized Automatic Message Accounting (CAMA) signaling or 10 digits to the PSAP using Enhanced MF. This is NOT interoperable with any PSAP that receives 20 digits on any calls.

Please note that Phase 2, NCAS Mode with WLS911, transparently described in J-STD-036, Annex D, Table D.1.2, using FGD signaling, as described in D.2, will allow a WSP that currently subscribes to BellSouth's Phase 1 solution – WLS911 to continue to use existing trunking and FGD signaling between the WSPs' Mobile Switching Center (MSC) and the BellSouth Tandem. On the other hand, WSPs that currently subscribe to BellSouth's Phase 1 solution and elect to use Wireline Compatibility Mode (WCM), D.1.1, will be required to change to CAMA MF trunks to accommodate WCM signaling.

Please inform John Storey, E911 Wireless Implementation Manager, by July 5, 2002, if your company will be using WCM or the NCAS solution via the following email address:

John.Storey1@bridge.bellsouth.com,

WSPs should seek assistance from their BellSouth Interconnection Account Manager to facilitate interconnection to BellSouth's 911 Tandems.

Note: Enhanced Multiple-Frequency (EMF) Signaling Protocol

Status: BellSouth is currently providing EMF signaling if the WSP and the PSAP elect to use J-STD-036, NCAS Mode (without WLS911), as described in J-STD-036, Annex D, table D.1.2, but using FGD signaling as described in D.2.

When the WSP implements Phase 2 using J-STD-036 NCAS, as described in J-STD-036, Annex D, Table D.1.2, using FGD signaling as described in D.2, BellSouth will deliver 20 digits of Automatic Number Identification (ANI) to the PSAP using the EMF signaling protocol developed by Telcordia's and National Emergency Numbering Association's (NENA) technical committees.