ACCESS SERVICE

17 — E9-1-1 Access Services for Voice over Internet Protocol

17.1 Connectivity of VoIP Service Providers to E9-1-1 Service

17.1.1 General Description

E9-1-1 Access Services for Voice over Internet Protocol(VoIP) enables the interconnected Voice over Internet Protocol Service Providers (VSPs) to connect to the BellSouth E9-1-1 tandems for the purposes of reporting E9-1-1 emergencies by the VSP's end user customers. This tariff only allows connectivity to the E9-1-1 tandem switch from the VSP's Point of Interface (POI) in the BellSouth Lata serving the E9-1-1 tandem switch. A VSP is defined as, for the purposes of subscribing to the services offered herein as bearing the following characteristics: (1) the service enables real-time, two way voice communications; (2) the service requires a broadband connection from the user's location; (3) the service requires IP-compatible CPE; and (4) the service offering permits users generally to receive calls that originate on the Public Switched Telephone Network (PSTN) and to terminate calls to the PSTN.

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 obligations, direct or indirect, to any person other than the VSP subscribing to the service. This tariff does not supersede any negotiated contractual arrangements or state tariffed arrangements unless the Customer agrees to such an arrangement.

The Company does not undertake to answer and forward E9-1-1 calls, but furnishes the use of its facilities to enable the VSP to direct calls to the appropriate Public Safety Answering Point (PSAP) in locations where government authorities or their authorized agents have subscribed to E9-1-1 service.

Except as noted, services provided in this section are subject to all general regulations applicable to the provisioning of service by the Company.

The technical specifications for this service are as specified in Technical Reference TR—73610. As an aid to the VSP's use of E9-1-1 Access services, BellSouth maintains a VSP E9-1-1 User Guide on its website at www.interconnection.bellsouth.com.

17.1.2 Undertaking of the Telephone Company

The Telephone Company will provide connection between a VoIP Service Provider's ("VSP") network and the Company's Universal Emergency Number Service 9-1-1 (hereafter referred to as "911 service") network. This service shall be used exclusively to route calls from the VSP's end user customers needing to access emergency E9-1-1 services.

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17 - E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 <u>Connectivity of VoIP Service Providers to E9-1-1 Service </u>(Cont'd)

17.1.2 <u>Undertaking of the Telephone Company</u> (Cont'd)

The Telephone Company will provision a minimum of two dedicated DS0 level trunks per E9-1-1 tandem and shall be configured as part of a digital (1.544Mbps) interface (DS1 facility) terminated in the E9-1-1 tandem switch and ordered from the FCC No. 1 tariff Section 6.8.1. Switched access rates and charges as set forth in section 6.8 preceding will apply to all DS1 facilities and trunks. The configuration shall use CAMA-type signaling with multi-frequency (MF) pulsing or SS7/ISUP signaling either of which shall deliver Pseudo Automatic Number Identification (P-ANI) or Emergency Service Query Key (ESQK), and call-back number with the voice portion of the call.
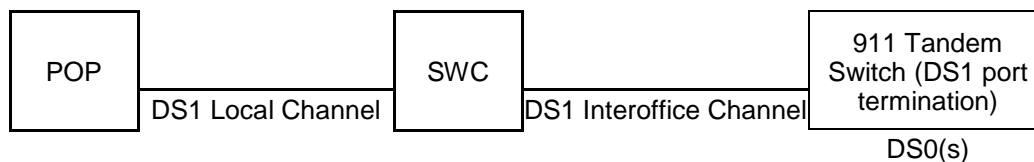
17.1.3 <u>Obligations of the VoIP Service Provider</u>

It is the sole responsibility of the VSP to subscribe to a sufficient number of trunks to handle the volume of E9-1-1 emergency calls from their end users. BellSouth requires a minimum of two one-way dedicated trunks originating at the VSP's Point of Interconnection (POI)and terminating at the E9-1-1 selective router tandem. The POI must be in the same LATA as each of the E9-1-1 tandems.

The quantity of trunks should be determined based on achieving parity with wireline E9-1-1 calls by providing a P.01 grade of service.

The BellSouth E9-1-1 database consists of data records provided by various service providers located within the BellSouth E9-1-1 service area. Each service provider, including the VSP, is responsible for providing their data records for the E9-1-1 database using its own individual NENA ID when submitting records for the E9-1-1 database. These records must be present in the E9-1-1 database for the Real-Time Data Interface to function properly. These records must be assigned a Master Street Address Guide (MSAG) valid address. MSAG valid addresses are obtained from the addressing authority in the E9-1-1 service area where VoIP service is provided.

The BellSouth Automatic Location Information (ALI) computer provides the PSAP with the caller's location information and call-back number associated with the Psuedo Automatic Number Identification (pANI). This may be accomplished by the VSP providing real-time updates to the ALI database during E9-1-1 call processing.

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17 — E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 Connection of VoIP Service Providers to E9-1-1 Service (Cont'd)

17.1.3 Obligations of the VoIP Service Provider Cont'd)

BellSouth supports E2 connectivity between the VoIP Position Center
(VPC) and the ALI database hosts as defined in the BellSouth Technical
Reference TR73610. The VPC will provide location information utilizing
the E2 Interface to provide real time updates. Interoperability testing
of existing or newly installed circuits to the logical router ports must
be conducted between the VPC and the ALI Computer to ensure
compatibility.

The VSP must identify all premises based ALI systems in their service
areas and comply with any special data or interface requirements. VSPs
should meet with PSAPs to determine if selective routing or direct
trunking is used to deliver 9-1-1 calls. If calls are not selectively
routed to premises based ALI systems, the VSP may need to deliver 9-1-1
calls to the PSAP administrative lines or use other arrangements as
negotiated with the PSAP. The VSP is responsible for coordinating with
the government authorities who subscribe to 9-1-1 services and with any
other provider of 9-1-1 services to populate any associated database(s)
which is used to provide Enhanced Universal Emergency Number (9-1-1)
service or equivalent.

The VSP must provide a p-ANI/ESQK that is geographically correct to the
serving E9-1-1 selective router switch to enable calls to be routed to
the appropriate PSAP as designated by the VSP.

The VSP must provide valid data records for inclusion in the Telephone
Number (TN) database prior to testing or activating service. Valid data
records include the telephone number, name of the subscriber, address,
location, class and type of service and may also include the p-ANI/ESQK
telephone number assigned by the VSP and included in security tables.

VSP's will be required to provide shell p-ANI/ESQK data records using
the Service Order Interface Record (SOIR) process to the E9-1-1 host
with MSAG valid addresses.

Determining the proper PSAP to route VoIP E9-1-1 calls must be
negotiated between the VSP and the E9-1-1 Coordinator(s) in the serving
areas, including the PSAP to receive the 9-1-1 call in the event of an
Automatic Number Identification (ANI) failure. The Emergency Service
Number (ESN) must be provided to BellSouth when placing a service order
for VoIP E9-1-1 trunks.

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17 — E9-1-1 Access Services for Voice over Internet Protocol (Cont'd)

17.1 Connectivity of VoIP Service Providers to E9-1-1 Service (Cont'd)

17.1.3 Obligations of the VoIP Service Provider (Cont'd)

VSP's will be responsible for ordering two data circuits to the BellSouth Automatic Location Identification (ALI) computers. These circuits are necessary to provide real-time updates to the ALI database for storing the VoIP subscriber's ten digit call-back number and location information. The need for digital data circuits depends on the technical solution chosen. Customer will be required to provide BellSouth daily and dynamic updates to the E9-1-1 database to facilitate this service offering.

The VSP is required to establish VoIP Position Center (VPC) connectivity via the E2 Interface. BellSouth is not responsible for the location determination technology, the accuracy of the location determination technology, solution trouble investigation or maintenance of said technologies. The delivery, or lack of delivery, of additional data elements, which may be provided by the VSP will not be the responsibility of BellSouth and BellSouth assumes no responsibility or liability for such information.

Connectivity to the E2 Interface, pursuant to the technical standards set forth in technical reference TR73610, shall occur by one of the following methods:

(a) VSP may use their own VPC equipment and will be required to purchase E2 Interface data link port connectivity to each ALI database host computer.

(b) VSP must designate a VoIP Positioning Center (VPC) operator via written notification to Company. The VPC operator must also connect to each ALI database host computer via E2 Interface data link ports using existing connectivity or purchase separate data link ports for VoIP E9-1-1 traffic.

(c) The VSP will be required to obtain a National Emergency Numbering Association Company ID and provide the Company a 24x7 contact number of the appropriate VSP center that can provide assistance to the PSAP during live 9-1-1 calls.