



**Verizon**  
600 Hidden Ridge  
Irving, TX 75038-3897

## **Short Term Public Notice of Network Change Under Rule 51.333(a)**

### **VoIP VPN Service**

**February 9, 2005**

#### **Type of Change:**

VoIP VPN will allow an end user's PBX to utilize their existing Virtual Private Network (VPN) to transport voice traffic over an Internet protocol (IP) connection to other locations on the VPN, or to deliver that traffic to the public switched telephone network (PSTN). The service will utilize H.323 protocols for Signaling and RTP (Real Time Protocols) for Bearer traffic. To provide VoIP VPN service, Verizon will utilize a Softswitch to provide Media Gateway Controller functionality.

The underlying transport for this service will be offered using services such as ATM, Transparent LAN Service, and Virtual Private Network from the Verizon central office to the customer premises. The descriptions of these services are available in the existing tariffs.

#### **Technical References:**

The following technical references and subsequent versions shall apply as protocols between the Verizon network and the customer premises equipment (CPE).

#### **International Telecommunications Union (ITU):**

**H323: V4** "Packet based Multimedia Communication System," ITU-T Recommendation, November 2000.

**H225.0v4** Call signaling protocols and media stream packetization for packet-based multimedia communication systems, November 2000.

**H.245v7** Control protocol for multimedia communication, November 2000.

#### **IP/MPLS - RTP**

RFC 3550 - RTP: A Transport Protocol for Real-Time Applications.

**To obtain RFC 3550 or other Internet Engineering Task Force (IETF) documents visit the following website:**

<http://ietf.org/home.html>

**For International Telecommunications Union (ITU), Contact:**

Place des Nations  
CH-1211 Geneva 20  
Switzerland  
Telephone: +44 22 730 6141  
Fax: +41 22 730 5194  
Email: [sales@itu.int](mailto:sales@itu.int)

**Online Order:**

<http://www.itu.int/rec/recommendation.asp?type=items&lang=e&parent=T-REC-H.245-200011-S>  
<http://www.itu.int/rec/recommendation.asp?type=items&lang=e&parent=T-REC-H.225.0-200011-S>  
<http://www.itu.int/rec/recommendation.asp?type=items&lang=e&parent=T-REC-H.323-200011-S>

**Date Changes are to Occur:**

Verizon plans to offer the VoIP VPN service beginning on June 6, 2005.

**Location Changes are to Occur:**

The services described in this disclosure will be available throughout the Verizon region where suitable facilities and capacities are available

**Reasonable Foreseeable Impact of Change:**

CPE vendors who are interested in providing CPE for this service will need to meet the interface requirements.

**Verizon Contact:**

For additional information on the VoIP VPN Service interface, please contact:

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