Information from the
Wholesale Customer Service Center

verizon

Communications Update

PLEASE DISTRIBUTE THIS TO YOUR TECHNICAL, NETWORK SUPPORT PERSONNEL

In an effort to meet growing demand, Verizon is augmenting the VoIP network and this augment will result in changes needed by our customers. There will be two additional Network Servers added to the signaling pool on November 2, 2010 at approximately 7:00 am CST. Customers may also need to update their Access Control Lists in order to properly receive traffic from new IP address ranges. Failure to make the appropriate adjusts could result in negative impacts to customers' traffic.

Customers who are not currently supporting DNS SRV and who **SEND** traffic to Verizon must update their gateway(s) with each of these six IP address explicitly and should continue to send traffic to all six IP addresses in an evenly load-balanced, "round robin" manner. Failure to support this call signaling will result in network congestion and ultimately lead to blockage of your call attempts. The list of SIP proxies listed below is the only list that you will be authorized to signal to. Please note the two new Network Servers are highlighted below in green. The other four Network Servers should already be in your gateway routing scheme.

elbns814	65.211.120.237
hsjns814	65.243.172.245
dngns815	63.77.76.248
cpzns813	65.217.40.210
cpzns815	65.217.40.192
elbns817	65.211.120.245

Customers with CPE that supports DNS SRV should strongly consider implementing this approach as it is highly recommended by Verizon. Implementing DNS SRV will greatly reduce the coordination and customer involvement required when changes just like this one are made to Verizon's signaling paths due to network evolution and growth. DNS SRV also includes the benefit of equal load-balancing across each of these network devices. The DNS SRV that can be used, in lieu of individual IP addresses, is listed below for your convenience

Customer Originating Traffic to VZ via DNS SRV:
wholesaleorigination.acc.globalipcom.com

*Resolves to 6 IP's above

Customers who send traffic to DNS SRV will not need to take any additional action.

Customers who also RECEIVE traffic from Verizon will need to make changes to their Access Control Lists (ACL) so they can receive from devices within the range of IP's that are listed below in the "Receive From" VPN information. Failure to update the ACL will result in service impacts. These VPN's should have been built at the time of service activation but if they've not been used recently they need to be checked to ensure each VPN is still in service.

If you have any questions or have completed the change on your network, please send a note to wholesalevoipic@lists.verizonbusiness.com. If you begin experiencing network problems after November 2, it is suggested that all needed changes be confirmed and double checked before contacting Verizon to open maintenance/repair trouble tickets. Thank you in advance for your cooperation in this matter.

Receive From the Network Ranges Listed in Each VPN / IPSec Tunnel:

RTO Peer: 63.110.103.238 Network: 63.110.102.224 / 27

ELB Peer: 65.211.121.238 Network: 65.211.120.224 / 27

DNG Peer: 63.77.77.238 Network: 63.77.76.224 / 27

HSJ Peer: 65.243.173.238 Network: 65.243.172.224 / 27

CPZ Peer: 65.217.41.238 Network: 65.217.40.192 / 27