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Customer Relations

T-Mobile Customer Relations
PO Box 37380
Albuquerque, NM 87176-7380

Dear Customer Relations :

I have been requested to send this letter through Customer Relations by the T-Mobile Level-3 support group – in particular, Mathew Hoersch and Iain MacHutchin. This is in regard to Trouble Ticket #8243. The enclosure, file name “[administrative_filtering.pdf](#)”, illustrates the problem.

NASA Glenn Research Center is working with Cisco System to deploy some new mobile communication technology know as mobile networking.

<http://www.cisco.com/warp/public/732/Tech/mobile/networks/>

We would like to deploy mobile networking technology over T-Mobile’s GPRS service (see page 7 of the enclosure). We were briefly successful on August 28, 2003 when we obtained an IP address in the 66.xxx.xxx.xxx pool. However, when we obtained addresses in the 216.155.xxx.xxx address pool our incoming packets were administratively filtered if those packets originated from outside the T-Mobile network. After September 3, 2003, it no longer mattered which address pool we obtained. All packets originating from outside the T-mobile network were administratively filtered.

Mathew Hoersch was able to verify this on September 24, 2003. According to Mathew, this appears to be a new change in policy. We suspect T-Mobile may have this new policy in place to keep Internet traffic from searching the GPRS system addresses in order to better utilize the bandwidth. It may be true that once I obtain an IP address, some Internet worm or Denial-Of-Service attack could be launched against my node (host). However, the policy of blindly administratively filtering incoming packets is a Denial-Of-Service in and of itself. We cannot utilize the system for peer-to-peer communications, mobile networking or mobile-ip because of this policy.

Other ISP’s such as Verison do not filter incoming packets. We respectfully request that T-Mobile reconsider either this policy, and/or provide some unfiltered addresses or at least provide an explanation for the necessity of such a policy.

Feel free to have someone contact me regarding this policy. Also, if you need the phone number and name on the account, please contact me via phone or email. I prefer not to provide it in this letter for privacy reasons as this is being placed on an open Web page.

Best regards,

Will Ivancic

Senior Research Engineer

NASA Glenn Research Center

Enclosure (1) file "administrative_filtering.pdf"

http://roland.grc.nasa.gov/~ivancic/shared/administrative_filtering.pdf