

Title: LS reply on multiple connections to VPLMNs simultaneously
Response to: LS (S1-04389) [S2-041649] on multiple connections to VPLMNs simultaneously
Release: Release 6
Work Item: I-WLAN

Source: SA1
To: SA2 and SA3
Cc: CN1

Contact Person:
Name: George Bumiller
Tel. Number: +1 201 327 1136
E-mail Address: gbumiller@rim.com

Attachments:

1. Overall Description:

SA1 thanks SA2 for their LS (S2-041649) with the following questions:

- Is it a requirement of the WLAN Stage 1 specifications that simultaneous access to PS domain services should be restricted to a single VPLMN in Release 6, even though multiple VPLMNs may be available through the same WLAN Access Network ?
- Is it a requirement that access to PS domain services in visited networks should be restricted to the same visited network as that used to transport traffic for access to services in the Home Network ?
- Conversely, is it a requirement that access to multiple VPLMNs simultaneously should be supported (or should not be restricted) in Release 6 ?

2. Discussion:

The current stage 1, TS 22.234 v6.0.0, requires that an integrated WLAN/3GPP device shall be able to connect to both the PS domain and to the I-WLAN at the same time to access different services.

SA1 is further of the view that the security of connection is a paramount issue with 3GPP services. Therefore the restriction that the UE be connected to a single PLMN is a reasonable starting point. There is no information which provides assurance that simultaneous UE connection to multiple VPLMNs can be provided while maintaining security. Should there be means of ensuring security in such case, then this requirement could be relaxed.

SA3 may wish to provide comment if they believe that means of ensuring security with multiple simultaneous VPLMN connections is feasible.

3. Actions:

To SA2 group.

ACTION: SA1 ask SA2 group to take into account the discussion, and to take action that:

1. access to PS domain services shall be restricted to a single VPLMN in Release 6

2. access to PS domain services in visited networks should take into account the priorities of the visited networks
3. access to multiple VPLMNs shall not be provided in Release 6.

To SA3 group.

ACTION: SA1 ask SA3 group to provide comment whether simultaneous UE connections to multiple VPLMNs can be provided without reducing the security provided by 3GPP.

3. Date of Next TSG-SA1 Meetings:

SA1#25

28 Jun - 2 Jul 2004

Montreal, CA