Technical Specification Group Services and System Aspects *TSGS#13(01)0576*
Meeting #13, Beijing, China, 24-27 September 2001

Title: Proposed answer to Liaison on Hand over scenario's between 2G and 3G networks
To: GSMA SERG
Source: 3GPP TSG SA (Alcatel)

Agenda Item:

3GPP TSG SA thanks GSMA SERG for their liaison on Handover scenario's between 2G and 3G networks and would like to provide the following answers to the raised questions

CS domain:

An inter-PLMN handover during a call does not requires any mobility management activities because the UE remains handled by the anchor MSC that is to say in the previously registered PLMN. After Release of the call a proper Location Updating shall take place when the UE will return to idle mode and hence will detect a change of PLMN. When no roaming relation are established between the HPLMN and the VPLMN the UE is currently then this will end up in PLMN re-selection.

PS Domain:

When inter-RAT or inter-PLMN is envisaged, a cell re-selection is applied and the UE shall perform a cell update. When the network cannot handled correctly the cell update then UE will have to perform a RA update or an URA Update depending on what technology the UE is ending up. As a result of this activity, the context are transferred in between SGSN without the charging information but the record is completed in the old SGSN and a new one started in the new SGSN. If roaming agreement does not exist with the final network the UE is rejected from the network and hence no charging record is required.

This is totally independent from the positioning of the GGSN.

The question regarding the use of a third party GGSN has just been allowed as a result of approving a CR to 23.060 during the current meeting of 3GPP TSG SA.

3GPP TSG SA hopes that the information provided in this liaison will give a full understanding of the issue to GSMA SERG.