

Source: TSG-CN WG2

Title: Liaison statement to RAN WG3 on paging co-ordination over the Gs interface

CN WG2 thank RAN WG3 for their liaison statement on paging co-ordination. Of the questions in that liaison statement, the third ("Is there any paging co-ordination over the Gs interface? If so, how does it is in the competence of TSG-N2 to answer.

TS 23.018 **does** define a procedure for paging co-ordination over the Gs interface. When it is necessary to page an MS for an incoming call, short message or other mobile terminating traffic, the MSC/VLR determines whether it is possible to page the MS via the SGSN; this requires that the Gs interface is implemented and that there is an association between the MSC/VLR and the SGSN for the subscriber who is to be paged. If paging via the SGSN is possible, the MSC/VLR requests the SGSN to page the MS. If the SGSN is already aware that there is a radio connection to the MS, it will respond accordingly without broadcasting a paging message.

In the case where paging over the whole VLR is needed (after VLR restoration), the paging message is broadcast both via the MSC/VLR and via the SGSN.

The paging response message for traffic which arrives at the MSC/VLR is always routed to the MSC/VLR.