

**Title:** Reply to Response on "Work following the joint SA2/RAN2/CN1 meeting on paging"  
**Response to:** S2-033326 = R3-031236  
**Source:** TSG SA2  
**To:** TSG RAN3  
**Cc:** TSG RAN2, TSG CN1, TSG RAN, TSG SA

**Contact Person:**

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**Attachments:** S2-033697

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**1. Overall Description:**

SA 2 is pleased to provide the following answers to RAN 3's questions.

- *(1) RAN3 has identified impacts on their specification. According to the text in TS23060, after the RNC has performed the normal PCH paging, it should check all further incoming Common-id received from the CS domain in order to match the included IMSI to an existing IMSI of RRC connected UE. This is new in RANAP because currently RANAP only performs this for incoming paging but not for Common-id. This is also more processing for the RNC.*

SA 2 have updated the 23.060 CR (see S2-033697) to make it optional for the RNC as to whether it checks the Common ID messages. In the event that the RNC does not check the Common ID messages, then, the timer based mechanisms identified by RAN 3 in question 2, below, apply. SA 2 leave the decision as to whether to raise any CRs against 25.413 to RAN 3.

- *(2) In the scenario where an LA spans over more than one RNC (RNC1 and RNC2) and there is still an luPS connection with RNC1, the mobile may have moved to RNC2 so that after the CS paging it becomes lu-CS connected in RNC2 where the IMSI is unknown. UE will continue to have an lu-ps connection towards the old RNC1. However, RAN3 understanding is that this will eventually be released after expiration of RRC periodic update timers and no additional functionality is required.*

SA 2's understanding is the same as RAN 3's.

- *(3) Similarly, if the paging coordination is done in the SGSN by Gs interface, the CS originating paging will come only to RNC1 via the SGSN and will miss the RNC2 where the UE may have moved in idle mode. Currently no procedure exists for paging using CN ids over lur. However, it is RAN3's understanding that there is no requirement to add this functionality.*

SA 2 agree with RAN 3 on this. However it can be noted that, for operational reasons, cells in different RNCs are very frequently in different Location Areas and hence the need to solve this problem is less. SA 2 will consider whether any updates to eg, release 6, 23.060 and 29.018 are needed.

**2. Actions:**

**To RAN 3 :** SA 2 kindly ask TSG RAN 3 to note the above answers.

**To TSG RAN and SA:** To note that SA 2 have handled RAN 3's comments.

**3. Date of Next RAN3 Meetings:**

SA2 #36                      24-28 November 2003

New York

SA2 #37                      12-16 January 2004

Innsbruck, Austria