TSG-RAN Working Group 3 meeting #7   **TSGW3#7(99)B68**
Sophia Antipolis 20th – 24th September 1999

Agenda Item: 10.4 Message contents and parameter range
Source: **NEC**
Title: Content in the Paging Message
Document for: Decision

[1] 25.413 RANAP Specification version 1.2.1
[2] R3-99919 Liaison from SA WG2

1. Background
   In the 4th meeting in Warwick, R3-99445 (source NEC) proposed a new paging
   procedure and the result was to send a liaison to SA WG2 to clarify the procedure of
   the paging co-ordination in the combined CN.
   And the discussion in the SA WG2 focused on the Iu Paging procedure. SA WG2 gave
   two solutions to RAN WG3 to perform Iu Paging Procedure. For detail, please see [2].
   The SA WG2 members think that the Paging procedure should be common for all type
   of CN and thus an additional Paging message is not preferable.
   However, SA WG2 did not discuss the mechanism how to reduce the Common ID
   searching in the RNC even though there has been paging co-ordination in combined
   CN. This contribution proposed a parameter to be added in the current Paging
   message, and thus the Common ID searching in the RNC can be reduced. This
   proposal is based on one of the solution that has been given by SA WG2 in the [2].
   This proposal does not add a new paging message that thus it does not have impact
   on the CNs that do not have Paging co-ordination function.

2. Paging procedure

2.1 Procedure
   If the CN has the Paging Co-ordination function, and if the CN knows that there is
   no connection to the paged UE, then the CN will indicate the RNC not to search the
   common ID. The RNC will then send the Paging message on the PCCH over air.

2.2 Non searching Indication
   If a "Non searching indication" parameter is present, the RNC will not search the
   common ID and just send the Paging on the PCCH over air.

3. Contents of the Paging message

Information element	Reference	Type
Message type		M
CN Domain Indicator		M
~~IMSI~~ Parmanent NAS UE identity		M
Temporary UE ID		O
Paging area ID		M
Paging Cause		O
Non searching indication		O

Table 1   Contents of the Paging message

   non searching indication: this parameter allows the RNC not to search common
   ID when receiving a Paging message from CN.

4.Proposal

It is proposed to include the text in chapter 2.2 into the 25.313 RANAP specification.

It is proposed to add a parameter which is shown in table 1.