

**TSG-RAN Working Group 3 meeting #8TSGR3#8(99)D78  
Abiko, Japan, 25<sup>th</sup> – 29<sup>th</sup> of October 1999**

**Agenda Item:** 10.3, 10.4

**Source:** Ericsson

**Title:** Comments to RANAP v.1.3.1

**Document for:** Decision

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## **1. Introduction**

This contribution comprises comments to [1].

## **2. Comments**

**3.1:** The second paragraph for Relocation of SRNS could for readability reasons be changed to:

It is also possible to relocate the serving RNS role from

- one RNS within UMTS to another relocation target external to UMTS
- functionality equivalent to the serving RNS role from another relocation source external to UMTS to another RNS

The second sentence for Class 3 EPs should be changed to: This type of EP only terminates through response message(s) or EP timer expiry.

Move last three lines to section 8.1 and add the following text: Other interactions are described in the appropriate procedure descriptions.

**7:** Add SRNS Context Transfer and Data Volume Report to the list of functions.

Proposed text:

SRNS Context Forwarding function. This function is responsible for transferring SRNS Context from RNC to CN for intersystem forward handover in case of packet forwarding.

Data Volume Reporting function. This function is responsible for reporting transmitted DL Data Volume over UTRAN for specific RABs.

**8:** Introduce headings according to functions defined in section 5 of [2] and group the procedures accordingly.

**8.1:** The heading in the second column should be Initiating Message instead of just Message.

In the Class 3 table Outcome should be changed to Response Message. A Timer column should be added here as well if it is kept for Class 1.

**8.4:** Add “each” before “CN domain” last in last but one sentence in first paragraph.

Change last sentence to: The signalling flow for the Iu Release Request procedure is shown in .....

**8.5.1:** Add bullet: Cancellation of Relocation after successful Relocation Resource Allocation has already been performed.

**8.6.1:** Change second sentence to: The procedure will or will not involve change of radio resources assigned for the corresponding UE depending on the cause for the relocation: Hard Handover or SRNS Relocation.

**8.6.2.1:** Change third paragraph to: When the preparation including resource allocation in the target system is ready, the CN shall send RELOCATION COMMAND to the source RNC.

**8.6.3.1:** Change second paragraph to: On receipt of this message, the target RNC shall allocate all requested resources.

First sentence in next paragraph: Change “necessary” to “requested”.

Second sentence in same paragraph: Explain that the transparent container must be sent to at least one of the CNs.

Explain that if the transparent container is sent via both CNs, the contents must be the same in both containers. Source RNC will thus only have to open the first received container and can disregard the second.

**8.6.4:** Explain “relocation execution trigger” or provide a reference to where it is explained.

Add: Upon reception of RELOCATION DETECT, the CN may switch the user plane from source to target RNC.

**8.6.5.1:** Add “Relocation” before “procedure” last in the first paragraph?

Add: Upon reception of RELOCATION COMPLETE, the CN shall switch the user plane from source to target RNC if not already done.

**8.15:** Can “is proceeded” in first sentence be replaced by “shall be forwarded to the CN”?

What does “if” in second sentence refer to? PS procedures like ATTACH REQUEST, RA UPDATE REQUEST should also be mentioned as examples here.

**8.19.1:** Change second paragraph to: If only a limited part of the CN or UTRAN has suffered a failure, then Iu Release or RAB Assignment (indicating bearer release), or Iu Release Request or RAB Release Request can be used to clear only the affected Radio Access Bearers.

**8.19.3:** Add “for the CN that sent the RESET message” to the second sentence in the first paragraph.

**8.20.2:** Change G-PDU to “user data PDU”.

**8.20.3:** Change G-PDU to “user data PDU”.

**9.1:** Introduce headings according to functions defined in section 5 of [2] and group the messages accordingly.

**9.1.1:** Explain that NAS Binding Information is not necessary when parameters are being modified.

**9.1.2:** Explain that Transmitted DL Data Volume is present only towards SGSN but never towards MSC.

**9.1.7:** The container should be called “Source RNC to target system transparent container” since there can be intersystem handover.

Remove the note since Target ID is now defined.

**9.1.8:** The container should be called “Source system to target RNC transparent container” since there can be intersystem handover.

**9.1.9:** The container should be called “Target RNC to source system transparent container” since there can be intersystem handover.

Explain that only parameters Transport address and Iu transport association can be modified. Other changes are treated as described in section 8.6.3.3.

**9.1.10:** The container should be called “Target system to source RNC transparent container” since there can be intersystem handover.

**9.1.22:** Remove notes 1 and 2 since this is no longer FFS after introduction of the Security Mode Control procedure.

**9.1.23:** Remove note 1 since this is no longer FFS after introduction of the Security Mode Control procedure.

**9.1.37:** Change “Binding ID” to “Iu transport association” and “Source Network Layer Address” to “Transport Address”.

**9.5:** Add timer  $T_{\text{DataForwarding}}$  and also a description of the timer.

Also change T(Data forwarding) to  $T_{\text{DataForwarding}}$  throughout the document.

### **3. Proposal**

It is proposed to introduce the comments into [1] and agree on requested clarifications during discussion of the contribution in Iu SWG.

### **4. References**

- 1 25.413, RANAP protocol v.1.3.1
- 2 25.410, UTRAN Iu Interface: General Aspects and Principles