

Agenda Item: 8.2

Source: Nokia

Title: Modification proposals for 3GPP document containing UTRAN Signalling Examples

Document for:

1 Introduction

This contribution proposes some minor changes to the text in ETSI SMG2 "UTRAN Functions, Examples on Signalling Procedures. All still valid proposals are targeted for the corresponding 3GPP RAN WG3 document. Air interface related proposals are in accordance with the 3GPP RAN WG2 specifications.

2 Proposed modifications

Chapter 6.1 RANAP Procedures & Messages

Table 1:

- RAB Assignment Request is not used in Inter-RNS HO with switching in CN procedure
- Hard Handover Request is used also in Inter-RNS HO with switching in CN procedure
- Hard Handover Proceeding 1 is always from Target RNC (not SRNC) to CN
- Hard Handover Failure can be also from CN to RNC

Chapter 6.3 NBAP Procedures & Messages

- Radio Link Addition Request is form RNC to Node-B
- Radio Link Addition Proceed is from Node-B to RNC
- First Radio Link Deletion Request can be deleted

Chapter 6.5 RRC Procedures & Messages

Table: *(Corresponding changes should be made also to the document)*

- Transparent message shall be replaced by Direct Transfer
- RAB Release Complete message should be added after RAB release
- Active Set Update Command should be renamed by Active Set Update
- Paging Request should be renamed Paging

Chapter 7.2.2.1 UE initiated Signalling Connection Establishment

- Transparent message should be renamed to Direct Transfer
- Bullet 3 (based on RAN WG2):
 - Additional parameter: CN node indicator. CN node indicator indicates the correct CN node into which the NAS message shall be forwarded.

- Note can be deleted
- The notes at the end of chapter can be deleted

Chapter 7.2.3.1 and 7.2.3.2 DCH/CCH Establishment

- The necessity for explicit Link Establishment is for further study in 3GPP RAN WG2. In any case, RLC level messages are not needed to be included in this document.

Chapter 7.2.7.2 and 7.2.7.3 DCH-CCH Release and CCH –DCH release

- The texts from these two chapters should be replaced by each other.

Chapter 7.2.12.2.2.1 Inter-RNS Hard Handover with switching in the CN (one CN node)

- It should be added: ...and will be using one node B directly under the target RNC after the hard handover.
- Figure:
 - After message 5, a start RX box should be added to node B
 - After message 6, a synchronization procedure between node-B and target RNC should be added
 - Start RX/TX box should be only Start TX

Chapter 7.2.12.2.2.2 Inter-RNS Hard Handover with switching in the CN (two CN nodes)

- It should be added: ...and will be using one node B directly under the target RNC after the hard handover.
- Figure:
 - ALCAP Iu Data Transport Bearer Setup should be added after messages 3 and 4
 - The existing boxes 5 and 6 should be deleted
 - ALCAP Iu Data Transport Release box should be added after messages 15 and 16.

Chapter 7.2.15.2 SRNC Relocation (UE connected to two CN nodes)

- Figure:
 - ALCAP Iu Data Transport Bearer Setup should be added after messages 3 and 4
 - The existing boxes 5 and 6 should be deleted
 - ALCAP Iu Data Transport Release box should be added after messages 12 and 13.

Chapter 7.2.16.1 & 7.2.16.2 UTRAN -> GSM/BSS via IWF

- Figure: Message 13 " Iu Release Complete" should be deleted

Chapter 7.2.16.3 GSM/BSS -> UTRAN via IWF

- Figure: Message 6, Hard Handover Proceeding 2, should be deleted.

3 Proposal

It is proposed that those proposed modifications in chapter 2, that are still relevant due to the document merging process in 3GPP RAN WG3 meeting 1, are taken into account in the 3GPP RAN WG3 document containing information similar to the ETSI SMG2 ARC document "UTRAN Functions, examples on signalling flows".