

TSG-RAN Working Group 2 Meeting #32
Xi'an, China, 20- 27 September 2002

R2-022702

Title: LS to SA3 on Group release security solution

Release: REL-5

Work Item:

Source: Ericsson

To: SA3

Cc:

Contact Person:

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Attachments: None

1. Overall Description:

RAN2 is continuing to discuss a group release solution as was communicated before with SA3 in LSs S3-020178 and S3-020287 for Rel'5.

RAN2 is now discussing details of a number of proposals. One issue that has been raised is the complexity in the UE of having a security solution. It was noted that the proposed signalling messages, that this group release solution applies protection to, do not have any protection in the current release 99 specification. The proposed security solution does however recognise the potential to address multiple UEs within a single message and is therefore seen as more important to have. This proposal is aiming to prevent someone from sending fraudulent group release messages, in order to provide protection against denial of service attacks, and so it could be seen as integrity protection for several UEs.

Based on complexity and the concerns mentioned above, RAN2 would like to ask SA3 if a security solution is seen as necessary

In addition on the complexity issue of implementing a group release security mechanism, RAN2 would like some guidance from SA3 on possible solutions that would limit UE implementation impacts. E.g. a way to re-use existing security blocks without modifications of what is defined in Rel'99 specifications.

2. Actions:

To SA3 group.

ACTION: RAN2 asks SA3 group to answer the following questions:

1. If group release functionality is introduced in RRC signalling is a security mechanism needed or not?
2. If the answer to question 1 is that it is needed, can SA3 guide RAN2 on possible ways to limit UE implementation impacts, e.g. on the possible reuse without modifications of one of the R'99 security blocks (F8 or F9).

3. Date of Next RAN2 Meetings:

RAN2_33 12 – 15 Nov 2002 Sophia-Antipolis, France

RAN2_34 17 – 21 Feb 2002 Sophia-Antipolis, France