

TSG-RAN Working Group 2 (Radio L2 and Radio L3)
Oahu, HI, USA, 22 - 26 May 2000

R2-001286

Source: TSG-RAN WG2
To: TSG-SA WG3
Cc: TSG-SA
Subject: LS on Security issues
Contact: Ainkaran Krishnarajah, Ericsson
Email: Ainkaran.Krishnarajah@era.ericsson.se
Tel.: +46 8 757 2565

RAN WG2 would like to inform SA WG3 that RAN WG2 has been reviewing the specification of security in RAN WG2. The outcome has been to reorganise the relevant RAN WG2 specifications in order to have security clearly specified.

RAN WG2 has noticed that there are inconsistencies with RAN WG2 specifications on security and TS 33.102. RAN WG2 would like to work with SA WG3 to ensure that security is clearly specified in both working groups.

1. The review started with a list of questions and this is found in R2-001172, from which CRs were written to clarify some of these issues. This discussion paper is attached in this LS.
2. RAN WG2 has started to remove sections that are covered in TS 33.102. New chapters will be created in TS 25.331 and references to the Security Architecture specification will be made, as necessary. RAN WG2 would like SA WG3 to look at these deleted sections and determine whether information from these chapters is required in TS 33.102.

For example R2-001185 has removed Chapter 8 Ciphering from TS 25.301. Definitions of the ciphering unit are now required in TS 33.102. Also the CFN is 8 bits whereas it is specified as 7 bits in TS 33.102.

3. The HFN has been clarified by R2-001275. Please indicate if our assumptions are correct.
4. The RRC messages that shall not be integrity protected are now specified in TS 25.331 (R2-001276). RAN WG2 would therefore like to ask SA WG3 to remove the similar list in TS 33.102.
5. A reset mechanism for HFN was proposed in R2-001277 to handle cases where the HFN may become out-of-sync between the UE and UTRAN.

6. Clarification on ciphering parameters and integrity protection procedure in case of SRNS relocation is addressed in R2-001278. Please indicate if our assumptions are correct.
7. RAN WG2 would like to ask SA WG3 whether they are planning to specify UTRAN-UTRAN handover in TS 33.102.



R2-001172.zip



R2-001185.zip



R2-001275.zip



R2-001276.zip



R2-001277.zip



R2-001278.zip