

Title: Security aspects of A/Gb evolution
Source: SA3
To: GERAN
Cc: SA2, CN1, CN3
Response to: LS G2-022012 on A/Gb evolution

Contact Person:

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Attachments: None

1. Overall Description:

SA3 would like to thank GERAN for providing SA3 with the latest draft of the A/Gb mode evolution feasibility study (v0.6.0).

On the question of whether LLC ciphering for Gb mode GERAN may be moved to the access network, SA3 have agreed that it is acceptable to move ciphering *to the BSC* based on the principle that it was deemed acceptable to move PS ciphering to the BSC for Iu mode GERAN and to the RNC for Iu mode UTRAN.

Regarding the other possibilities for upgrading security for A/Gb mode GERAN, SA3 have concluded that it is desirable to upgrade security towards the level provided in Iu mode GERAN and Iu mode UTRAN. However, it is recognized that some compromises may need to be made based on the feasibility of the various upgrade options.

SA3 would like to provide some guidelines on the relative priorities of the various options for upgrading security to use as part of the feasibility study in GERAN. Unfortunately it was not possible to prepare these guidelines at SA3#24. Furthermore, SA3 do not have a meeting scheduled prior to GERAN#11 when it is understood that the feasibility study is to be finalized. Therefore, SA3 have agreed to conduct an email discussion, **in which participation from GERAN experts is welcomed**, with the aim of providing input to GERAN#11. The official SA3 position on A/Gb mode security upgrade options will then be confirmed at the next SA3 meeting in October.

The email discussion will start on 15 July 2002 on the SA3 e-mail list.

2. Actions:

To GERAN

ACTION: GERAN are asked to take into account the result of the SA3 email discussion on the security aspects of A/Gb mode evolution.

3. Date of Next SA3 Meeting:

SA3#25	8 - 11 Oct 02	Munich	Germany
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