Source:	**ARIB**
Title:	**Handling of GERAN specific future inputs to TSG RAN WG3 specifications(Update)**
Agenda item:	**8.6**
Document for:	**Decision**

1. Introduction

In TSG-RAN#16, the handling of GEREN specific future inputs to TSG RAN WG3 had been proposed by RP-020436. Some CRs (RP-020447, RP-020427, RP-020454) were put on hold until the end of July.

Note: ARIB/TTC finally agreed on RP-020447(CR to 25.423) but asked TSG-RAN to re-consider the RP-020427 and RP-020454(both CRs are for GERAN Iu-mode).

After TSG RAN #16 meeting, ARIB had a discussion about RP-020436 (Handing of

GERAN specific future inputs to TSG RAN WG3 specifications) that propose the

incorporation methods of GERAN elements into Iur and Iu specification. This document is to show ARIB/TTC's addition proposal to RP-020436.

2. Handling of GERAN specific future inputs

Below are text quoted from RP-020436, it reads:

"

TSG RAN#11, #15 and #16 have discussed the documentation of Iur-g to address the way of handling the GERAN specific inputs for Iub/Iur/Iu specifications in connection with the Iur-g related CRs from TSG RAN WG3 (which were originally provided by GERAN).

The already used processes were confirmed to be used. That is, technical discussions will take place in TSG-GERAN, then CRs are provided for review and approval for TSG-RAN WG3, and then submitted to TSG-RAN plenary for approval. Use of email approval/discussions could be used to ensure not to increase TSG RAN WG3 work load too much in their meetings.

For the implementation of the future Iur-g –specific CRs it was agreed to take the following approach: Those procedures in TS25.423 (RNSAP) that are applicable to either Iur only or both to Iur and Iur-g are not to be tagged as "UTRAN" or "GERAN". This is to ensure good readability of the specification by avoiding too frequent tagging. Instead only those procedures that are specific to Iur-g (i.e., not used in Iur) are tagged as "GERAN".

GERAN specifics for procedures that are common to Iur and Iur-g shall be specified in one of the following ways:
1. Separate GERAN specific sections are appended to the procedure descriptions in order to explain the usage of the messages on the Iur-g interface. Examples of such

a structure can be found e.g. with 1.28 Mcps TDD inclusion in TSG RAN WG1 specifications (Note: the TDD inclusion was a considerably larger effort).

2. GERAN specific subsections are appended per elementary procedure description.
3. GERAN specifics of the common Iur/Iur-g procedures are specified within a normative annex.

In addition a separate table as the one in section 7 of 25.423 can be supplied to explicitly list the procedures applicable on Iur-g, either in section 7 or in the normative annex.

GERAN specifics for message and information element definitions (sections 9.1 and 9.2 of TS 25.423) shall be specified in one of the following ways

1. GERAN specific descriptions are given in the "Semantics description" column of the message/IE definition tables.
2. *GERAN specific descriptions are given per message/IE in the normative annex.*

For Release'5 TSG RAN can approve the CR on the areas where technical work is completed. The necessary editorial issues on exact way of reflecting the matter in the specifications (ref. Above) can be provided for TSG RAN#17, as for Release 5 this type of CRs are still acceptable. Work on the editorial CRs can naturally be done over email to speed up the progress in TSG RAN WG3.

As a further remark, the principles introduced in this document are well applicable not only to RNSAP (Iur/Iur-g) but also to RANAP (Iu).
"

We have no objection to incorporate GERAN elements by the methods described in RP-020436 except one specific case (There may be more cases in the future but currently we can find only one.)

That is,
When we use ENUMERATED type for an IE, we should not mix UTRAN case and GERAN case. In this case, one of the way to implement is such as introduce a new IE pure for GERAN used and thus two different IEs should be used, otherwise the company which is interested in only one side has to take care of the other side specifications.

3. Proposal

We would propose to add the following sentences for adoption

-When GERAN elements are incorporated into Iur/Iu specifications, the IEs specific to GERAN should be clearly identified and in ENUMERATED type case, the same IE should not ~~be used~~ includefor both GERAN and UTRAN values. In principle, the company which is interested in the implementation of ~~either GERAN or~~ UTRAN only should not be affected through the incorporation of GERAN only elements into Iur and Iu specifications.-