

Liaison To : TSG RAN WG3
From: TSG-SA WG4
Title: On the format of the AMR speech data over the lu frames

Answer to TSG RAN WG3 :

TSG SA WG4 (S4) would like to thank TSG RAN WG3 (R3) for the answer provided (liaison S4-99227) regarding the support of speech services in UTRAN. In particular, the presentation of the lu User Plane (lu UP) status was very useful. S4 understand that the current specification of the lu interface will enable the support of both unequal error protection and rate control.

Request for comments and agreement from TSG RAN WG3

R3 is currently developing a Technical Specification [2] that describes how the speech service data shall transit over the lu interface between the RNC and the TC.

S4 has produced a specification [1] giving the frame structure at the interface with the speech codec. This document describes the interface in a generic way. Therefore, it does not specify the detailed mapping between AMR generic frames and lu SDUs (in particular in Annex B of [2]).

Since the lu is an open interface, the description of such framing and de-framing operations between lu SDUs and AMR generic frames should be specified to avoid misinterpretation. S4 proposes that these operations should be covered in [3].

S4 invite R3 to express comments on this matter. S4 would also like to get R3 agreement on having such a specification.

References :

- [1] 3GPP TS 26.101 «AMR Speech Codec Frame Structure.»
- [2] 3GPP TS RAN 25.415 «lu Interface CN-UTRAN User Plane Protocol»
- [3] TSG4 #4 (99) 133 «TS 26.019 TSG-SA Codec Working Group, Mandatory speech codec; AMR codec, lu and Uu Interfaces.» (renumbered to TS 26.102)