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Title: **Request for Information about Service Mapping**

To: **TSG RAN WG1**
TSG RAN WG2

Source: **TSG RAN WG3**

Document for: **Request for Information**

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1 Introduction

RAN3 is currently evaluating the delay budget within UTRAN on different services: the result of the analysis will be included in a technical report to enable interested parties to access the results of the study item.
Moreover, RAN3 has been requested by SA4-Codec to provide UTRAN delay figures of H.324 services for the inclusion in the Technical Specification TS26.915 within Release 99.

To complete this work and fulfil the request, the information described in the following chapter, not available within RAN3, is kindly requested to RAN1 and RAN2.

2 Interleaving and Turbo-Coding Delays

One of the most critical delay components in UTRAN is due to interleaving and to the possible usage of turbo-coding.

The evaluation of these delays has to be carried out for the following RT Services (H.324 circuit switched Multimedia services):

Bit rate (kbit/s)
32
64
384

target BER $\leq 10^{-4}$
target BER $\leq 10^{-6}$

It is not clear to RAN3 how these services have to be mapped on the Uu, that is which typical interleaving factor has to be used, whether Turbo Coding has to be applied and whether ARQ mechanisms have to be employed.
Once this information is made available in RAN3, an evaluation of the related delay is also possible.

3 Request for Information

RAN3 would like RAN1 to recommend interleaving depths (and hence TTI period) and Turbo Coding applicability to achieve the mentioned target BER for the services described in chapter 2.

RAN2's working assumption about optimal combination of interleaving and RLC feedback (ARQ) is also kindly invited, since it is not clear to RAN3 the tradoff between the two mechanisms.

In order to answer to an urgent LS issued by SA4-Codec to RAN3, RAN3 kindly asks RAN1 and RAN2 to provide the information regarding RT H.324 services as soon as possible.