

3GPP TSG RAN Meeting #26
Vouliagmeni Athens, Greece, 8 - 10 December, 2004

RP-040469

TSG-SA4#33 meeting
November 22-26, 2005, Helsinki, Finland

Tdoc S4 (04)0861

Title: LS on guidance and error patterns for MBMS streaming simulations

Source: 3GPP TSG SA4

To: 3GPP TSG RAN
3GPP TSG GERAN

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SA4 is presently in the phase of defining the characterization test conditions for the Rel-6 audio codecs. It is intended to characterize the performance of the audio codecs under realistic channel conditions for MBMS streaming services both using GPRS and UTRAN radio access.

SA4 kindly requests support from the relevant RAN and GERAN working groups on how to setup realistic simulation chains. We would furthermore like to ask for the provisioning of suitable channel error patterns that can be used in such simulation chains.

It is to be noted that the IP packet size is considered a design parameter, which is intended to be used for optimization of the service quality under certain delay constraints. The channel errors patterns should thus preferably be specified on radio transmission block level.

We would like to ask for your guidance on the expected delay when joining a Multicast mode MBMS transport session, i.e. the time from requesting a mid session join until the first complete PDU is delivered in an active session.

In addition channel errors patterns are required for GPRS and UTRAN configurations. For each of these configurations patterns for a fairly and a heavily impaired channel are required.

The audio bit rates to be used in the simulations are not defined yet. Considered service cases are audio and audio-visual content distribution.

Actions:

Relevant RAN and GERAN WGs: Provide SA4 with guidance and error patterns

Dates of Next TSG-SA4 Meetings:

SA4#34 21 - 25 February 2005 Lisbon, Portugal