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Title: Standardisation of real-time packet-switched multimedia services
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Packet-based multimedia communications such as video conferencing and video streaming are gaining interest. For running any kind of packet-based applications over the 3G network, error-resiliency would be a critical requirement. Good quality would be obtained if such applications could use some error-resilient protocols and tools. However, as it is the case currently for developing robust header compression algorithms, it is important to avoid such a situation where 3GPP inactively waits for work to be finished by other bodies.

Therefore, by informing IETF about 3GPP activities and forwarding our system requirements to the IETF as soon as possible, 3GPP can evaluate IETF protocols for their specifications. Especially for consideration of TSG-SA4, IETF Audio/Video Transport Working Group is currently working on more reliable real time protocols for usage over non-reliable links.

Furthermore to provide a starting point, any possible more detailed information about Layer 2 frame erasure ratios could be requested in a liaison statement towards TSG-RAN, to provide meaningful input for subsequent requirement information toward IETF.

Based on the above considerations, we propose the following:

- 3GPP needs error-resilient protocols and tools to be standardised at the appropriate time so that the 3GPP specification work can consider and possibly refer to them. To accelerate the standardisation process liaison statements that indicate our intentions and schedules from S4 to IETF (IETF AVT WG) are needed.

In a first liaison statement, which is proposed in this document, TSG-SA4 should inform IETF about their current work which applies or has some relation to real-time protocols (i.e. WI on "QoS for Speech and Multimedia Codec" and the Technical Report on "Quantitative performance evaluation of real-time packet switched multimedia services over 3G") and the timelines for this work. Conversely TSG-SA4 could ask for information on the current status of the work on realtime protocols in the AVT working group.

Note: Our intention is to encourage IETF to perform their work within 3GPP timelines and under consideration of 3GPP requirements. We would like to accelerate the standardisation process and not to slow it down or duplicate work load.

- Start discussion of packet-based multimedia communications systems such as 3G-323/3G-SIP (meaning H.323/SIP with error resiliency for the 3G network). Whereas TSG-CN1 and TSG-SA2 are defining control plane protocols, TSG-SA4 work should here be directed towards user plane performance and protocols. Release 2000 would be the first milestone.