



Question(s): 7/12 Geneva, 31 October - 9 November 2011

Ref. : TD 681 (GEN/12)

Source: ITU-T SG12 meeting (Geneva, 31 October - 9 November 2011)

Title: LS to IETF CODEC WG on the IETF OPUS codec

LIAISON STATEMENT

For action to: IETF CODEC WG

For comment to:

For information to: ITU-T Q10/16

Approval: Agreed to at the SG12 meeting

Deadline: 1 March 2012

Contact: Catherine Quinquis
France Telecom Orange
France
Tel: +33 2 96 05 14 93
Fax: +33 2 96 05 35 30
Email: catherine.quinquis@orange.com

Contact: Paolo Usai
ETSI
Tel: +33 4 92 94 42 36
Fax: +33 4 92 94 52 06
Email: paolo.usai@etsi.org

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ITU-T Q7/12 understands that IETF CODEC WG is in the final stage of approving the OPUS codec. We further understand that concerns have been raised on the amount of performance testing that has been carried out on this codec.

In ITU-T Q7/12 point of view, the amount of testing carried out so far is not sufficient to take decision on the quality provided by this codec.

ITU-T Q7/12 would like to remind the usual way of assessing the quality performance.

A set of requirements and objectives should be agreed upon, a test plan could then designed as a set of experiments. For each experiment, several elements are defined such as the testing methodology, conditions, randomisation order, number of subjects and listening devices. Each experiment is to be run in 2 different languages, at least. Moreover the test is run on a final version of the candidate coder, no modification of the algorithm is allowed.

The test results are then analysed and statistical analysis is performed to verify the possibility to merge results from different test labs.

A handbook "Practical procedures for subjective testing" has been recently published at ITU where the different testing methodologies, including the data base collection, listening environment, eligibility of subjects, instructions to subjects are described.

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