

Doc: ETSI/B68(08)XX

Agenda item:

Document for:

Decision/Discussion/information

ETSI TC STQ (Speech and multimedia Transmission Quality)

Jean-Yves Monfort

TC STQ Chair

France Telecom/Orange
Labs

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Structure

❑ TC STQ

- **Chaired by Jean-Yves Monfort, France Telecom**
- **Vice-chairs : K. Adler -Vodafone-, Hans Gierlich –Head Acoustics- and Joachim Pomy –PQM-**
- **Technical Officer : Carmine Rizzo**
- **STQ support : Marlene Forina**

❑ WG STQ Mobile

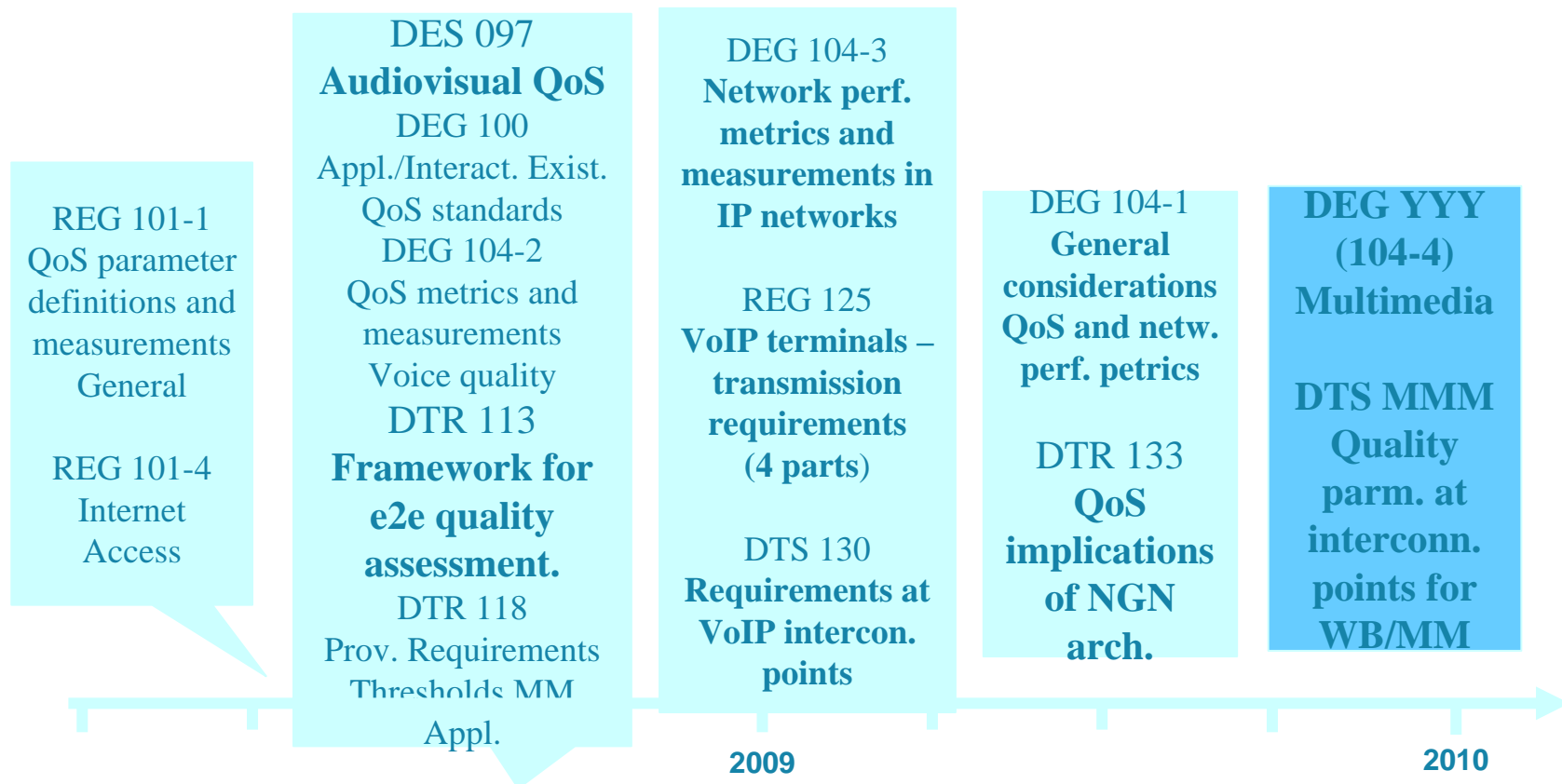
- **Chaired by Klemens Adler, Vodafone**
- **ETSI Assistant : Marlene Forina**

❑ WG STQ Aurora

- **Currently Dormant (after successfully produced standards for "Front-end –Distributed Speech Recognition.**
- **Chaired by David Pierce –Motorola-, who gave several presentations in workshops (eg "Fully Networked car")**

❑ NGN related QoS, including voice and Multimedia

- It is one of the major topic on which TC STQ will work in the next months (the first deliverables expected soon – September 2008)
- A work program has been elaborated (taking also into account the results of the workshop on multimedia QoS)



Major activities/deliverables (since 2005) –TC STQ

- ❑ (Wideband) Speech terminals (in particular for VoIP)
 - A strong effort has been done to produce all the deliverables in due time. The results have been disseminated inside and outside ETSI. A release 2 is ongoing → WI125
 - EG 202 425 definition and implementation of a VoIP reference Point.
 - A set of 4 ES for VoIP Terminals (ES 202 737 to 740): for wideband and narrow band speech; for handset, headset and hands-free terminals. These documents have in particular been used as a basis for the collaboration with TC DECT.
 - MI117: inputs for the updates of EN 300 175-8 & EN 300176-2 (DECT speech terminals). Very efficient and fruitful collaboration with TC DECT.
- ❑ No Work items dedicated to bandwidth extension (above 8kHz), by WI 97 covers speech and audio (without bandwidth limitation)

Major activities/deliverables (since 2005) –TC STQ

❑ Published Results of STFs

- **EG 202 396 part1 (result of STF 273) and parts 2&3 (results of STF 294)**
 - A Methodology to record and playback environmental noise
 - A speech data base in noisy environments
 - A quality model for wideband speech (the adaptation for narrowband has been developed outside the STF); →WI124

❑ Quality criteria and test methods

- **Under WI 104 : QoS and network performance metrics and measurement methods.**
 - Part 1 provides general concepts,
 - Part 2, planned for September, defines the Transmission Quality indicator combining Voice Quality metrics.
 - Part 3 defines network performance metrics and measurement methods in IP networks (taking into account, in particular, results from IETF and ITU-T).
- **Specification and measurement of speech transmission quality. Under WI 105, the EG 201 377 is updated in order to take into account the new available quality models (developed mainly in ITU-T SG12 –no duplication of work)**