

Focus Group on Car Communication (FG CarCOM)

Terms of Reference

1 Scope

The objective of the Focus Group is to develop a new set of requirements and specifications to help advance the work of the ITU-T SG12, mainly Questions 4/12 and 12/12 and to encourage the participation in this activity of members of other standards organisations involved in car and Telecommunications/ICT industries, including experts and individuals who may not be members of ITU. The main focus is on sub-system level requirements, in car communication and requirements/testing of frontends used for speech recognition in cars.

2 Terms of Reference

The following areas should be addressed in the future activity of the Focus Group:

- In car communication: Quality parameters and testing methods
- Interaction of car hands free systems with the radio channel
- Requirements for car hands-free on a sub-system level
- Requirements and testing procedures for super-wideband and fullband systems, interaction with the other audio components and systems in the car
- Special requirements/testing procedures for speech recognition systems in cars
- Quality models: what and how can be applied for the car environment?

Duration: from Jan. 2010 to Nov. 2011

3 Leadership

Chairman : H.G. Gierlich (Head Acoustics)

Vice Chairman : Jean-Yves Monfort (France Telecom)

The Focus Group will appoint any other leadership, as needed.

4 Participation

The Focus Group may include experts from ITU members and other non-member organizations (such as administrations, network operators, manufacturers, industry trade organisation, user groups, ...)

A list of participants is to be maintained and reported to SG12.

5 Financing

The Focus Group will be self-funded by its members.

Meetings will be funded by volunteer hosting organizations.

6 Administrative support

The TSB Secretariat will provide basic administrative support from ITU-T headquarters.

7 Meeting logistics

The frequency and location of meetings will be determined by the Focus Group.

Electronic document handling will be used as much as possible.

8 Working language

The working languages will be determined by agreement of the Focus Group participants.

9 Technical contributions electronically and by face-to-face

Any Focus Group member may submit a technical contribution. Electronic submissions are strongly encouraged.

10 Patent policy

The Focus Group will follow the ITU-T practice.

11 Deliverables

The Focus Group is expected to provide specifications to be considered as inputs for ITU-T Recommendations for consideration by SG12.

12 Approval of deliverables

The Focus Group will follow a consensus process.

13 Distribution of documentation

The Focus Group will distribute its documentation electronically via Email and the ITU-T web site.

14 Working methods

The Focus Group will be contribution –driven. It will work electronically and by face-to-face meetings. Meetings will be held as determined by the Focus Group and will be announced in accordance with ITU-T procedures.

15 Progress reports

As required by ITU-T procedures, the Focus Group will report to each SG 12 meeting.

16 Announcement of Focus Group formation

The formation of the Focus Group will be announced in cooperation with the SG12 and TSAG via ITU publications and other means, including communication with the other organizations and/or experts, technical journals and the World Wide Web.

17 Action plan

- Based on the existing standards for narrowband and wideband hands-free terminals – Review the existing tests and requirements with respect to their usability for definition of requirements and testing methods on subsystem level
- Identify the new and additional requirements needed
- Write new standard for subsystem requirements for hands-free car communication
- Review literature and define test methods for in-car communication
- Write new standard for in-car communication
- Based on the existing standards terminals – Review the existing tests and requirements with respect to their usability for definition of requirements and testing methods for speech recognition frontends
- Write new standard for speech recognition fronts in a car type environment
- If needed, update existing specifications for narrowband and wideband hands-free in motor vehicles

18 Milestones

Kick-off meeting January 28-29, 2010

Second meeting April 2010

Draft specifications June 2011

19 Collaboration

To define the requirements and define the specifications, a strong collaboration is required between administrations, network operators, car manufacturers, telecommunications/ICT manufacturers, industries trade organisations, user groups, regulators.

Collaboration is necessary with ITU-T SG5, SG16 and SG19. Collaboration is also necessary with relevant SDOs and Consortia/forums such as 3GPP, 3GPP2 and Bluetooth SIG.
