Abstract

The new ITU-T focus group FitCar – ITU-T test specification for hands-free terminals in cars

The ITU-T focus group FitCar was started in January 2007. It is the aim of the focus group FitCar to develop a set of requirements and specifications for the measurement and optimization of car hands-free systems.

The specification developed in this focus group covers the following areas:

- **Test arrangement in a car**

The setup and the arrangements in the target car where the hands-free system is intended to be used in is described.

- **The digital interface concept for the development and debugging**

Alternatively to the test arrangement in a car a digital interface concept is described.

- **Measurement parameters and requirements for microphones and microphone**

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Independent of a car hands-free system the requirements for microphones and microphone arrangements installed in a car are described as well as test procedures in order to analyze and optimize them.

- **Measurement parameters and requirements in car hands-free terminals**

In this section all requirements and testing procedures are found which are relevant to insure a good conversational quality. Besides the traditional parameters like loudness ratings, frequency response characteristics and others special parameters are described which focus on the interactivity (double talk capability) and the background noise performance of the car hands-free system.

- **Bluetooth testing**

Envisaging that mostly mobile phones are connected via Bluetooth to the car hands-free system a special section is describing the performance requirements for the Bluetooth connection.

The key features of the standards will be introduced and discussed. An outlook for the future work of FG FitCar which will be FG FitCar Com will be given.

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