

Herzogenrath (Germany), October 18, 2011.

New Release of Important 3GPP Standard Implemented by HEAD acoustics and Validated by GCF

The 3GPP standards TS 26.131 and TS 26.132 have undergone a major revision that led to the recent publication of Release 10 of both standards. HEAD acoustics is the first test solution provider to have implemented Release 10.

The Global Certification Forum (GCF) has just validated the HEAD acoustics test platform consisting of the communication quality analysis system ACQUA in conjunction with its TS 26.131/32 implementation and HEAD acoustics hardware. Thus, the first GCF-approved system in the world for conducting measurements according to Release 10 is now available.

Experts agree that Release 10 of the 3GPP standards constitutes an important step forward in the global standardization of wideband-capable telecommunication devices including LTE terminals. A substantial number of measurements and methods have been modified in order to establish a close-to-reality and forward-looking standard:

- The reference system for the frequency response is now an average diffuse field. As an advantage, the same reference system applies for both handsets and headsets making comparison easier.
- The distortion measurements take better into account the increasingly complex signal processing of modern terminals.
- The idle channel noise analysis now windows out the noise alone. Any remaining reverberation of the terminal or interference from other sources does not impair the result.
- The updated ambient noise rejection analysis includes a conditioning sequence for the terminal, accounts for the Lombard effect and performs the speech sensitivity measurements in the presence of background noise.

Already in 2009, HEAD acoustics proved their market leadership and innovation skills according to their motto "always aHEAD" by providing the first wideband audio test platform validated by GCF for all test cases required by TS 26.131 and TS 26.132.

***For immediate release.
In case of publication please notify and/or provide printed copy!***

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About HEAD acoustics GmbH:

HEAD acoustics was founded in 1986 and has been involved in noise and vibration, electroacoustics and voice quality testing since its inception. HEAD acoustics is based in Herzogenrath, Germany, with affiliates in USA, Japan and France as well as a world-wide network of representatives. The Telecom Division of HEAD acoustics manufactures telecom test equipment and provides consulting services in the field of speech and audio quality. Moreover, HEAD acoustics closely co-operates with DECT Forum, ETSI, ITU-T, TIA and other standardization bodies with regard to the development of quality standards for voice transmission and speech communication. In many partnership projects, HEAD acoustics has proven its competence and capabilities in conducting tests and optimizing communication products with respect to speech and audio quality under end-to-end as well as mouth-to-ear scenarios.