

Herzogenrath (Germany), Berne (Switzerland), June 2010.

On April 23 the DECT Forum, the international association of the wireless home and enterprise communication industry, officially approved the new "Test Specification Audio for CAT-iq 2.0 Devices". As partner of the DECT Forum, HEAD acoustics GmbH, the international solution provider for communication quality testing, has been and still is actively involved in the development of all audio-related test specifications for CAT-iq™.

HEAD acoustics therefore is pleased to announce the immediate availability of a complete test system for measuring and certifying CAT-iq™ devices according to the new "Test Specification Audio for CAT-iq 2.0 Devices". Big test houses which are members of the DECT Forum have already been equipped with the new CAT-iq™ measurement system provided by HEAD acoustics and are using it for development, optimization and certification. The audio quality (echo, reverberation, frequency response, voice quality) of CAT-iq™ HD Voice devices is brought to a high level by this new standard.

"The DECT Forum is pleased to work with HEAD acoustics for the audio part of CAT-iq 2.0 certification. HEAD acoustics has long been a partner to the DECT industry and are well known and respected for the upkeep of the highest standards with respect to audio test and measurement. We are looking forward to prolonging this successful industry partnership", says Daniel Hartnett, DECT Forum Board member and Chairman of the CAT-iq Working Group.

CAT-iq™ (Cordless Advanced Technology - Internet and Quality) has successfully been introduced into the market as the successor of the DECT standard by the DECT Forum. CAT-iq™ is continuously developed in further profiles and requires a certification of terminals by means of measurement systems approved by the DECT Forum and used by qualified test laboratories.

The new ACQUA measurement standard CAT-IQ 2.0 (Code 6794) contains the full implementation of all measurements specified by the "Test Specification Audio" (Version 1.11) as automated test suite for the communication analysis system ACQUA. In combination with the new NG-DECT/CAT-iq™ measurement front end MFE X (Code 6481) and further HEAD acoustics components, a complete test system for measuring and certifying CAT-iq™ devices according to the new "Test Specification Audio" is now available.

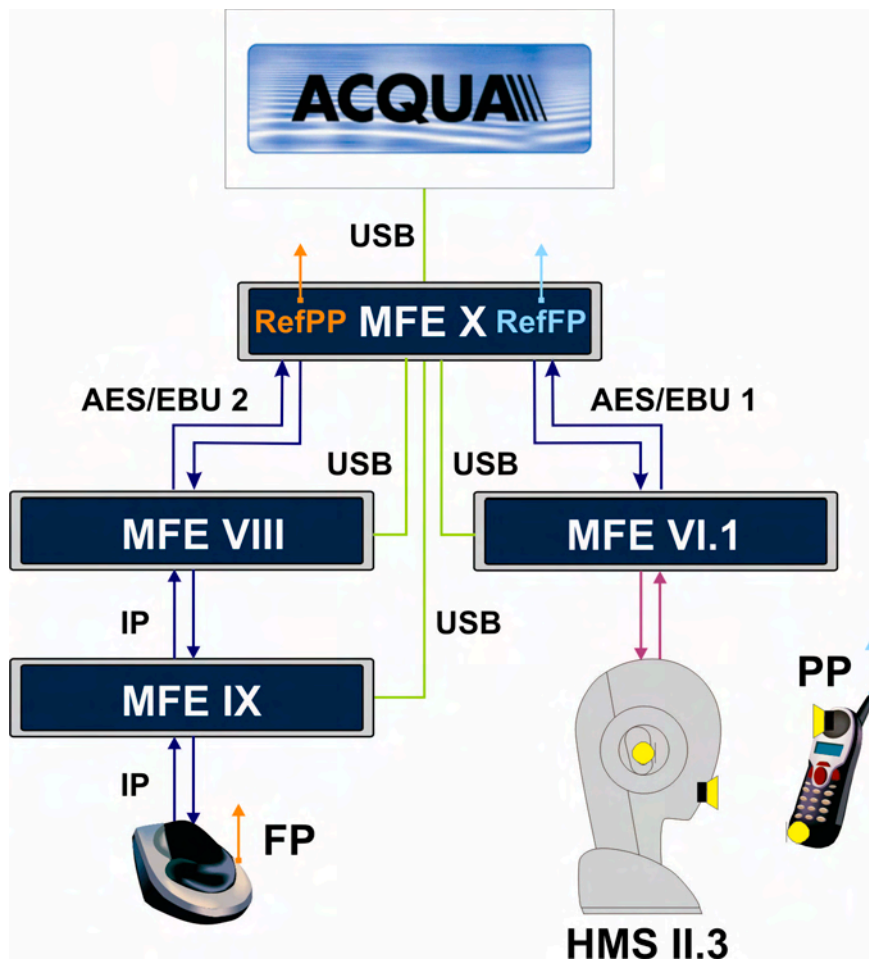
MFE X serves as "Reference Portable Part" (RefPP) and as "Reference Fixed Part" (RefFP) for acoustic measurements of cordless terminals. As required by CAT-iq™, it supports modern wideband and IP connections as well as the classic DECT telephony. MFE X is used in conjunction with the following HEAD acoustics system components:

- ACQUA (communication analysis system, version 2.4.200 with extensions or later)
- HMS II.3 (artificial head measurement system) with HHP III (handset positioning mechanism),
- MFE VI.1 (analog measurement front end with integrated mouth amplifier),
- MFE VIII (IP reference gateway)
- MFE IX (IP network impairment simulator with WLAN/WiFi access point).

Images:



NG-DECT/CAT-iq™ Measurement Front End MFE X



Configuration example HEAD acoustics audio test system for CAT-iq 2.0™ devices

***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.

About DECT Forum:

The DECT Forum is the international industry association of the wireless home and enterprise communication industry. With more than 800 million devices sold and growing by more than 80 million devices per year, DECT, DECT 6.0 and CAT-iq are worldwide-adopted technologies with high relevance for wireless voice and broadband home and enterprise communication. The DECT Forum is located in Berne, Switzerland. Full members of the DECT Forum are currently:

Ascom, AVM, CCT, Cetecom, Deutsche Telekom, DSP Group, Gigaset Communications, GN Netcom, Lantiq, NEC, Nemko, Orange FT, Panasonic, Philips, Plantronics, Polycom, RTX, Sagem, Samsung, SiTel, SGW Electronics, Swissvoice, Technicolor, Unical, Uniden, VTech.
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