

## **Anatomically correct artificial ear by HEAD acoustics is now standardized**

HEAD acoustics succeeded in the standardization of the newly developed artificial ear with human-like ear canal (HEC) in ITU-T. The new artificial ear is now standardized as Type 4.4 artificial ear in Recommendation ITU-T P.57. The HEAD acoustics HEC artificial ear not just fulfills the Type 4.4 artificial ear requirements, even more it is the first ITU-T standardized artificial ear meeting the low-noise requirements for artificial ears as defined in the new chapter 7 of Recommendation P.57.

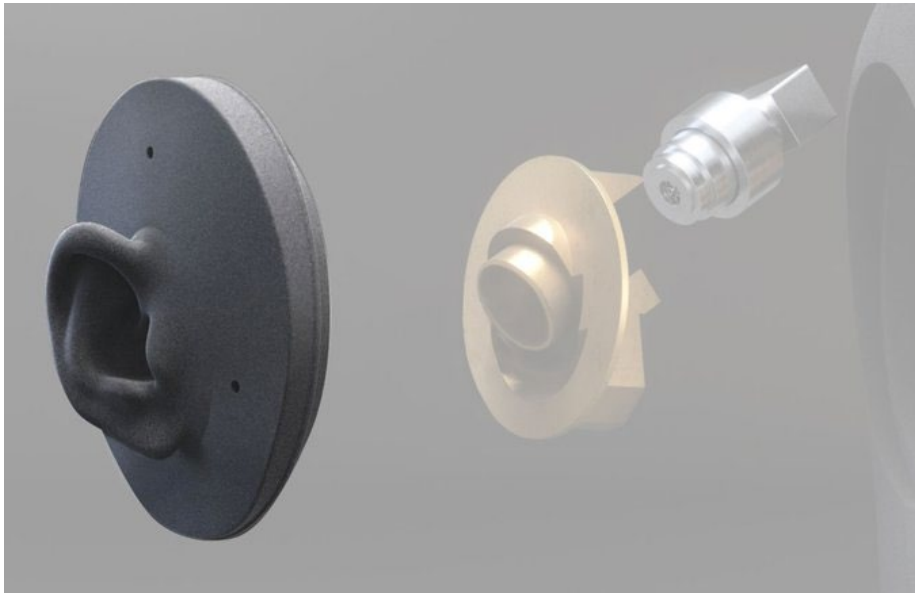
With this new artificial ear HEAD acoustics provides a unique ear simulator with human-like ear canal, a human-like impedance simulation combined with a low-noise microphone implementation whose noise floor is below the human threshold of hearing. The HEAD acoustics head and torso simulator HMS II.3 LN HEC equipped with this new ear simulator is ideally suited for all types of headphone, headset and hearable measurements. This includes all active noise cancellation (ANC) implementations where the noise floor of the test equipment is of critical importance. In addition, this ear is equally well suited for all types of handset and hands-free measurements.

„The new HEAD acoustics HEC artificial ear is a milestone in the development of artificial ears. It ideally combines the requirements of naturalness by providing human-like pinna and ear canal simulation with technical requirements such as low-noise, repeatability and standardization“, said Dr. Hans W. Gierlich, managing director Telecom at HEAD acoustics GmbH.

### About HEAD acoustics

HEAD acoustics GmbH is one of the world's leading companies offering holistic solutions for sound and vibration analysis. In the telecom sector, the company enjoys global recognition due to the expertise and pioneering role in the development of hardware and software for the measurement, analysis and optimization of voice and audio quality as well as customer-specific solutions and services. HEAD acoustics' range of services covers sound engineering for technical products, investigation of environmental noise, speech quality engineering as well as consulting, training and support. The medium-sized company from Herzogenrath near Aachen has subsidiaries in China, France, Italy, Japan, South Korea, the UK and the USA as well as numerous sales partners worldwide.

### Image



The new artificial ear by HEAD acoustics with human-like ear canal, a human human-like impedance simulation combined with a low-noise microphone is now standardized as Recommendation ITU-T P.57 type 4.4.