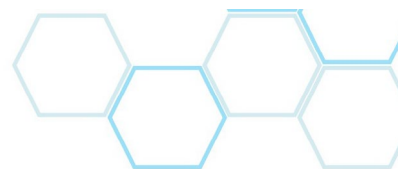


# TRANSCOM INSTRUMENTS

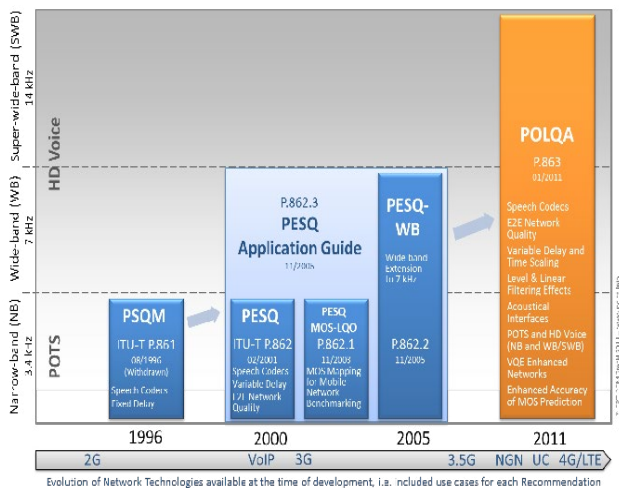
## Product Brochure

Transcom Instruments  
Product Brochure



TRANSCOM  
INSTRUMENTS

# POLQA – the Standard for Perceptual Objective Listening Quality Analysis



The POLQA standard was developed 2006-2011 by leading industry experts. It is the outcome of a competition carried out by Study Group 12 of the ITU-T, in order to define a technology upgrade for PESQ (ITU-T Recommendation P.862), the state-of-the-art voice quality measurement technique established in 2001. POLQA - which stands for "Perceptual Objective Listening Quality Analysis" - offers an advanced level of benchmarking accuracy and adds significant new capabilities for wideband and super-wideband (HD) voice signals along with support for most recent voice coding and VoIP transmission technologies. Therefore POLQA is ideally suited to evaluate, optimize and monitor the voice quality of next-generation networks.

## Overview

POLQA is the next-generation voice quality testing technology for fixed, mobile and IP based networks. POLQA was standardized by the International Telecommunication Union (ITU-T) as new Recommendation P.863, and can be applied for voice quality analysis of HD Voice, 3G and 4G/LTE networks.

## Applications

- Handset and accessory Acoustic performance
  - Coding and Audio path quality
  - Voice Enhancement processing
  - Speech with noise performance
  - Speech level and filtering effects
  - Standards Conformance
- Network Testing
  - Network Testing and Optimisation
  - Drive testing and Benchmarking
  - IP
  - HD Voice

The POLQA perceptual measurement algorithm is a joint development of OPTICOM, SwissQual and TNO, protected by copyrights and patents and available under license as software for various platforms. Leading Test & Measurement manufacturers have adopted POLQA/P.863 in their products, or use this technology during development, design and optimization of mobile phones, Smartphones, network components, or services. It is anticipated that POLQA/P.863 will supersede PESQ/P.862 in the near future.

## Products

- Advanced OEM Libraries for T&M Manufacturers, DTT Vendors, System Integrators and Mobile Operators
  - POLQA OEM Libraries for Windows, Linux
  - POLQA Mobile OEM for Android
  - Voice plus Package incl. POLQA+PESQ+ECHO
  - POLQA Conformance Testing
- For End-Users: PEXQ All-in-One Software Suite for Windows incl. Voice and Video Analysis
  - Scalable Framework for Voice, Video, or Voice+Video
  - Voiceplus Package incl. POLQA+PESQ+ECHO

*Keep innovating for excellence!*

#### About Transcom

Shanghai Transcom Instrument Co., Ltd. (NEEQ: 831961), established in 2005, independently research and develop high-end radio frequency communication testing instruments and is a professional provider of overall testing solutions. Starting from 2009, Transcom, titled as National High-Tech Enterprise and the fostered enterprise by Shanghai Little Giant Project, has undertaken the tasks of development for National “New-Generation Broadband Wireless Mobile Communication Network” and the construction of Shanghai Engineering Research Center for Wireless Communication Testing Instruments.

In 2015, Transcom officially announced its new five-year development strategy “1+3”. In detail, Transcom will continue to enhance its potential to be the national team for domestic wireless communication instruments, and develop security software for mobile communication network (network communication/data mining), wireless signal (spectrum monitoring/situation analysis) and Beidou navigation (signal monitoring for satellite navigation/mobile anti-jam verification platform). The strategy has now been implemented systematically with progressive achievements in Shanghai, Guangdong and other cities.

Keep innovating for excellence!



ISO9001



ISO14001

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