

IEC/TC29 'Electroacoustics'

Presentation to CCAUV

September 2017

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Scope of IEC/TC29

- *To prepare International Standards related to instruments and methods of measurement in the field of electroacoustics*
 - excluded are:
 - a) standards for sound and video recording dealt with by TC 100
 - b) standards for equipment in the field of audio and audio-visual engineering dealt with by TC 100
 - c) standards and terminology for ultrasonic techniques dealt with by TC 87

Meetings and Membership

- 1 Plenary meeting since last CCAUV meeting
 - at Comitato Elettrotecnico Italiano (CEI), Milan from 27 - 31 March 2017
 - Chinese delegation participated for the first time
 - next meeting planned for second half of 2018

- 23 Participating countries and 13 Observer countries
 - Secretariat, Denmark and Chair, UK
 - currently a total of 10 Working Groups/Maintenance Teams

Current Working Groups and Maintenance Teams

| WG or MT number | Title |
|-----------------|---|
| MT4 | Sound level meters |
| WG5 | Measurement microphones |
| WG10 | Audiometric equipment |
| WG13 | Hearing aids |
| MT17 | Sound calibrators |
| MT18 | EMC requirements and updates of relevant IEC/TC29 standards |
| WG21 | Head and ear simulators |
| WG22 | Hearing loop systems and equipment (now includes previous MT20 'Revision of IEC 60118-4, Induction loop systems') |
| MT23 | Instruments for aircraft noise |
| WG24 | Newly formed – Modular instrumentation for acoustic measurement |

Activity

- Since the last CCAUV meeting TC29 very active:
 - published 9 new or revised standards, as well as 5 amendments which were mostly related to emc testing of the various instruments
 - other documents issued for review, comment and vote, where appropriate
 - expect a further 7 documents to be published during 2018

- Programme of work on IEC website

New WG24 – modular instrumentation for acoustic measurement

New WG just set up:

- to address the increasing use of computer based modular systems and the lack of proving compliance of such systems with the sound level meter standard, IEC 61672
- will produce a new document to ‘fill the gap’, specifically for user configurable, computerized, data acquisition and analysis systems
- will cover hardware and software
- provide specifications and testing of these systems

- Keen to establish any required liaisons:
 - currently liaisons with 6 other TCs within IEC
 - with OIML, the International Organisation of Legal Metrology
 - with ITU-T, International Telecomms Union - Telecomms Standardisation Sector
 - with ICAO, the International Civil Aviation Organisation
 - 2 TCs within ISO, including ISO TC43 'Acoustics'

Strategic Business Plan

- Strategy and Objectives – aim to ensure TC29 is a forward-looking committee, not just reactive
 - agenda item in each WG/MT to discuss new technologies or market requirements likely to impact the work of the Committee – clear benefits
 - good example is the NWIP just approved on Modular instrumentation

- Aim to raise awareness of work of the committee
 - list promotion activities by all Members through internationally and nationally available channels e.g. professional bodies, conferences and journal papers