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INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC/TC 29: Electroacoustics Liaison Report – 5 September 2019

To: Dr T Usuda, President of the CCAUV.

Please find below the liaison report which provides a summary of IEC/TC 29 activities since the last meeting of the CCAUV.

General/Administrative

IEC/TC29 held its last Plenary session at National Research Council of Canada from 24 – 28 September 2018, with a new team of officers (Secretary: Lise Schmidt-Aaagesen, Chair: Richard Barham, Technical Officer: Miroslav Siket). Details of this meeting are available upon request.

The following Working Groups and Maintenance Teams met in conjunction with the Plenary meetings: MT4 'Sound level meters', WG5 'Measurement microphones', WG10 'Audiometric equipment', WG13 'Hearing aids' MT17 'Sound calibrators', WG21 'Head and ear simulators', WG 24 'Modular Instrumentation for Acoustical measurement'. WG13 has also met in Jan-18 in Denmark, and WG24 held an inaugural workshop in Mar-18, also in Denmark.

In addition a new MT25 was formed on 'Graphical presentation of electroacoustical characteristics' and a cross-WG meeting of MT4, WG5 and MT17 resulted in the formation of ad-hoc group AHG26 'Alignment of standards for measurement microphones, sound level meters and sound calibrators' to take forward the goals from this collaboration.

Minor revisions were made to the Strategic Business Plan, reinforcing emerging requirements for standardisation of modular systems for acoustic measurement, and introducing challenges posed by wireless technologies.

The next Plenary meeting of IEC/TC29 is scheduled for 23-27 March 2020 in Warsaw, Poland.

In Mar-19, IEC/TC 29 in collaboration with ISO/TC 43 made a representation to ISO/TC 12 on the publication of ISO/FDIS 80000-8, objecting to several technical aspects that had been introduced, particular the use of the neper to express acoustic level quantities, and to the general lack of consultation with the acoustical user community in the preparation of the document. As a result IEC/TC 29 officers along with other specialist stakeholders from the field of acoustics joined a task force to produced and improved draft of the document.

Documents:

The following documents have been published since the last report in Sep-17:

- a. IEC 60118-4 Ed. 3. Amd 1. *Amendment 1 - Electroacoustics - Hearing aids - Part 4: Induction-loop systems for hearing aid purposes - System performance requirements*. Published 2017-11
- b. IEC 60942 Ed. 4. *Electroacoustics - Sound calibrators*. Published 2017-11
- c. IEC 61265 Ed. 2. *Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft*. Published 2018-05
- d. TR 62489-1 Ed. 2. Amd 2. *Amendment 2 - Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 1: Methods of measuring and specifying the performance of system components*. Published 2017-11

- e. TR 63079 Ed.1. Amd 1. *Amendment 1 - Code of practice for hearing-loop systems (HLS)*. Published 2018-09.

All amendments were also published with a consolidated version (CSV).

Since the last report the following documents have been issued for review, comment and vote, where appropriate, by National Committees:

- a. IEC 60118-9. *Electroacoustics – Hearing aids – Part 9: Methods of measurement of the performance characteristics of bone conduction hearing aids*. Doc. 29/1025/FDIS
- b. IEC 60118-13. *Electroacoustics – Hearing aids – Part 13: Requirements and methods of measurement for electromagnetic immunity to mobile digital wireless devices*. Doc. 29/1024/FDIS
- c. IEC 60601-2. *Medical electrical equipment – Part 2-66: Particular requirements for the basic safety and essential performance of hearing aids and hearing aid systems*. Doc. 29/1023/FDIS
- d. IEC 60942. *Electroacoustics - Sound calibrators*. Doc. 29/962/FDIS
- e. IEC 60118-9. *Electroacoustics – Hearing aids – Part 9: Methods of measurement of the performance characteristics of bone conduction hearing aids*. Doc. 29/989/CDV
- f. IEC 60118-13. *Electroacoustics – Hearing aids – Part 13: Requirements and methods of measurement for electromagnetic immunity to mobile digital wireless devices*. Doc. 29/991/CDV
- g. IEC 61265. *Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft*. Doc. 29/958/CDV
- h. Amd, 1 to IEC TR 63079. *Code of practice for hearing-loop systems (HLS)*. Doc. 29/983/DTR
- i. IEC 60118-0. *Electroacoustics - Hearing aids - Part 0: Measurement of the performance characteristics of hearing aids*. Doc. 29/996/CD
- j. IEC 60263. *Scales and sizes for plotting frequency characteristics and polar diagrams*. Doc. 29/1028/CD
- k. IEC 60601-2-66. *Medical electrical equipment – Part 2-66: Particular requirements for the basic safety and essential performance of hearing instruments and hearing instrument systems*. Doc. 29/966/CD
- l. IEC 60645-3. *Electroacoustics - Audiometric equipment - Part 3: Test signals of short duration*. Doc. 29/994/CD

Richard Barham
Chairman IEC/TC 29

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