IEC Subcommittee Report for CAA Standards Committee Meeting
Sep. 15, 2016

This report mainly summarizes the committee work of CSC/IEC/TC 29 since May 2016.

1. IEC Documents under Revision
   - Amendment 1 to IEC TS 62370 Ed.1: Electroacoustics - Instruments for the measurement of sound intensity - Electromagnetic and electrostatic compatibility requirements and test procedures
   - IEC TR 63079: Code of practice for hearing loop systems (HLS)
   - Proposal for Amendment 1 to IEC 60118-4:2014: Electroacoustics - Hearing aids - Part 4: Induction-loop systems for hearing aid purposes - System performance requirements

2. Voting results
   - IEC/TS 60318-7 "Electroacoustics - Simulators of human head and ear - Part 7: Head and torso simulator for the measurement of air-conduction hearing aids (Revision of IEC/TS 60318-7:2011)
     Final Canadian Position - Support
   - 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
     Final Canadian Position – Support with Comments

3. Past Meeting
   16 to 20 November 2015 in Paris, France
   Head of Delegation: Peter Hanes

4. Future Meeting
   27-31 March 2017 in Milan, Italy
   Head of Delegation: Peter Hanes

5. Update suggestions for CAA Guide to Standards
   The subcommittee chair is recommending the following changes for section 4, Acoustical measuring equipment and calibration.

Section	Proposed change
4.1 ANSI/ASA S1.11	Replace the text with the following: 4.1 ANSI/ASA S1.11, Specification for Octave-Band and Fractional-Octave-Band Analog and Digital Filters, Parts 1 to 3 This standard is technically equivalent to International Standard IEC 61260 series. Part 1 (2014) specifies performance requirements for analogue, sampled-data, and digital implementations of band-pass filters. The extent of the pass-band region of a filter's relative attenuation characteristic is a constant percentage of the exact mid-band frequency for all filters of a given bandwidth. An instrument conforming to the requirements of this standard may contain any number of contiguous band-pass filters covering any desired frequency range. Part 2 (2016) provides details of the tests necessary to verify conformance to all mandatory specifications given in ANSI/ASA S1.11-2014/Part 1 for octave-band and fractional-octave-band filters. Part 3 (2016) describes procedures for periodic testing of octave-band and fractional-octave-band filters that were designed to conform to the class 1 or class 2 specifications given in S1.11-2014/Part 1. The aim of this standard is to ensure that periodic testing is performed in a consistent manner by all laboratories.
4.2 ANSI/ASA S1.15	No change
4.3 ANSI S1.17	Replace the text with the following: 4.3 ANSI S1.17-2014/Part1, Microphone Windscreens - Part 1: Measurements and Specification of Insertion Loss in Still or Slightly Moving Air Part 1 of this standard describes alternative methods for determining the insertion loss of a windscreen placed around a specified stationary microphone in still air or moving slowly along a path in still air. The insertion loss is determined by measuring the sound pressure level without and with the windscreen around the microphone. The insertion loss is measured either in anechoic space or in a reverberation room. The measured insertion loss is the result of the characteristics of the windscreen including sound absorption, sound insulation and sound diffraction properties of the windscreen material, and from sound diffraction effects of the windscreen size, shape and construction details.
4.4 ANSI S1.25	No change
4.5 ANSI/ASA S1.40	No change
4.6 ANSI/ASA S1.42	No change

Section	Proposed change
4.7IEC 60318	Replace 'IEC 60318-3 Ed. 1.0 b: 1998' with 'IEC 60318-3 Ed. 2.0 b: 2014'
4.8 IEC 61043	No change
4.9 IEC 61094	Replace 'Parts 3 to 7' with 'Parts 3 to 8' Replace 'Parts 3 (1995)' with 'Parts 3 (Ed. 2.0, 2016)' Replace 'Parts 5 (2001)' with 'Parts 5 (Ed. 2.0, 2016)' Append 'Part 8 (2012): Methods for determining the free-field sensitivity of working standard microphones by comparison'
4.10 IEC 61672	Replace 'Parts 1 (2002)' with 'Parts 1 (Ed. 2.0, 2013)' Replace 'Parts 2 (2003)' with 'Parts 2 (Ed. 2.0, 2013)' Replace 'Parts 3 (2006)' with 'Parts 3 (Ed. 2.0, 2013)'