

2016 September Report on
Standards Council of Canada Canadian Advisory Committee
For ISO TC43 And TC43/SC1

Representation on ISO acoustics and noise committees

- Total 2 project leaders, 1 international secretary, 1 member TC43 advisory panel, 20 subject matter experts
- Representation on Anechoic chamber qualification, Loudness, Hearing protectors, Guidance for machinery sound power measurement, Sound power in special reverberation rooms, Environmental noise assessment (part 2 measurement uncertainty), Soundscapes, Shooting noise, Noise from road surfaces, and Minimum noise limits for vehicles.

Active ISO working groups without Canadian participation

- Detection of Tones, Prominence of Impulsive sound, Threshold of hearing, Structure-borne sound, IT equipment noise, Effect of temperature on tire noise, Measurement of road surface noise, Pavement surface texture profiling, Noise calculation software

Workload, since last meeting in June 2016

- ISO/TC43 – reviewed 2 drafts, (532-1, 532-2)
- ISO/TC43/SC1 – reviewed 2 drafts, (12913-2, 11200 Amd 1)
- Approved internal ISO TC 43 document “Guide 1: Drafting instrumentation requirements in documents prepared by ISO/TC 43/SC 1”
- Approved Final draft TS 11819-3 Acoustics -- Measurement of the influence of road surfaces on traffic noise -- Part 3: Reference tyres

Upcoming ISO Meetings

- No Plenary meetings this year, only for working groups

Active members are needed on this committee; those interested in participating should contact Stephen Keith, skeith@hc-sc.gc.ca

Stephen Keith

Proposed modifications for the CAA Guide to the Use of Acoustical Standards in Canada

Cancelled and replaced

ISO 1999:1990 replaced by ISO 1999:2013

ISO 6926:1999 replaced by ISO 6926:2016

Duplicate standards

Section 5.5.6 and Section 5.5.7 (ISO 14509-1)

Standards with outdated references in their descriptions

ASTM E 336-10 consider changing reference from ISO 140-4:1998 which was withdrawn and replaced by ISO 16283-1:2014

ASTM E 1007-11 consider changing reference from ISO 140-7:1998 which was withdrawn and replaced by ISO 16283-1:2014

ASTM E 966-10 consider changing reference from ISO 140-5:1998 which was withdrawn and replaced by ISO 16283-1:2014

Additional information

IEC 61672 This sound level meter standard (and corresponding ANSI standard) are effectively incompatible with computer based data acquisition systems.

ISO 80000-3:2006 This standard defines all logarithmic levels in terms of nepers, and makes the recommendation “To avoid ambiguities in practical applications of logarithmic quantities, the unit should always be written out explicitly after the numerical value, even if the unit is neper, 1 Np = 1.” This means that if the units of sound pressure level, SPL, are not explicitly described as dB, the ISO by default would interpret the SPL to be a quantity in nepers.

New standards

ANSI S3/SC1.100-2014 Methods To Define And Measure The Residual Sound In Protected Natural And Quiet Residential Areas

ISO 362-3:2016 Measurement of noise emitted by accelerating road vehicles -- Engineering method -- Part 3: Indoor testing M and N categories

ISO 14509-2:2006 Small craft -- Airborne sound emitted by powered recreational craft -- Part 2: Sound assessment using reference craft

ISO 14509-3:2009 Small craft -- Airborne sound emitted by powered recreational craft -- Part 3: Sound assessment using calculation and measurement procedures

ISO 26101:2012 Acoustics -- Test methods for the qualification of free-field environments