

Activities in the Canadian Standards Association Industrial Noise Subcommittee
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The CSA Industrial Noise Subcommittee is the largest and most active subcommittee reporting to the main Acoustics and Noise Control Committee. They currently have 6 active standards. Each standard is described below and expected future activities are outlined:

The following table summarises the standards for which the subcommittee is responsible:

Number	Standard	Status
Z107.51	Procedure for In-Situ Measurement of Noise from Industrial Equipment	Widely used; based on L _p at 1m. To be reviewed in light of ISO 3740 series endorsement.
Z107.52	Recommended Practice for the Prediction of sound Pressure Levels in Large Rooms Containing Sound Sources	To be revised using prediction being developed by Murray Hodgson.
Z107.53	Procedure for Performing a Survey of Sound Due to Industrial, Institutional or Commercial Activities	Out of date. Requires extensive revision or replacement.
Z107.54	Procedure for Measurement of Sound and Vibration Due to Blasting Operations	Blasting standard being rewritten with a new section on underwater blast evaluation.
Z107.55	Recommended Practice for the Prediction of Sound Levels From an Industrial Plant	Working group to be set up to review standard and recommend changes and possible adoption/endorsement of "ISO 9613-2:1996 Acoustics -- Attenuation of sound during propagation outdoors -- Part 2: General method of calculation" This group will coordinate with

Z107.56
 Procedures for the Measurement of Occupational Noise Exposure

MOEE's review of propagation issues. Recently reconfirmed. This was the first standard of its type in the world and is the bestselling CSA Acoustics Standard. It is explicitly referred to in Federal Noise Regulations and is accepted by most provinces.

The most widely used Canadian Standard in Acoustics is Z107.56, Procedures for the measurement of Occupational Noise Exposure. First issued in 1986, it was the only such standard in the world. ISO has a similarly titled standard, but it is much more general and less prescriptive. ANSI has finally come out with their version. At this point, because Canada is further ahead in the use of L_{eq}, the ANSI standard is less suitable. As the Federal noise regulation refers specifically to this standard, it is expected to remain in widespread use across Canada.

Z107.51, Procedure for In-Situ Measurement of Noise from Industrial Equipment, is widely used. The subcommittee has recommended the endorsement of the ISO 3740 series of standards and will be examining other international standards for possible endorsement or adoption. However, the ISO standard is based on L_W, while the CSA standard is based on L_p at 1m, which is simpler to measure and more reflective of actual plant conditions. It is not yet clear whether the ISO standards will replace or supplement the existing standard.

Z107.55, Recommended Practice for the Prediction of Sound Levels From an Industrial Plant, requires revision in order to be compatible with MOEE concerns. In addition, ISO has recently passed a similar standard, with Canadian involvement. A working group will be formed shortly to decide whether to endorse or adopt the ISO standard. In addition, it will recommend whether the simpler CSA standard will continue to exist in parallel or be replaced.

Finally, a proposed working group is proposed to prepare a standard on Noise Labelling of Industrial Machines in cooperation with Health and Welfare Canada. This standard would provide guidance for Canadian Industry on noise labelling and would be in compliance with EEC / ISO initiatives.