

---

**Activities in the Canadian Standards Association Transportation Noise Subcommittee  
by Tim Kelsall, Hatch Associates  
2800 Speakman Drive, Mississauga, Ontario L5K 2R7  
Tel: 905-403-3932, Fax: 905-855-8270, email: tkelsall@hatch.ca**

The CSA Transportation Noise Subcommittee deals with transportation related standard for the main Acoustics and Noise Control Committee. They currently have three active standards. Each standard will be described and expected future activities outlined:

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

Z107.21	Procedure for Measurement of Maximum Exterior Sound Level of Pleasure Motorboats	Out of date. Can be replaced with "ISO 2922:1975 Acoustics -- Measurement of noise emitted by vessels on inland water-ways and harbours" or "ISO/DIS 14509 Small craft - Measurement of sound pressure level of airborne sound emitted by motor craft" or by a series of SAE Standards. Requires industry representatives for working group to review alternatives.
SAE 1096	Measurement of Exterior Sound Levels for Heavy Trucks Under Stationary Conditions	Endorsed. Endorsation should be reviewed soon.
Z107.25	Procedure for Measurement of the Exterior Sound Level of Motorcycles	Out of date. Can be replaced with SAE standards. Requires industry representatives for working group to review alternatives.
Z107.9	Standard for Noise Barriers on Roadways (see below)	Approved by subcommittee and out for Letter Ballot by main committee.
P 1.51	Procedures for Measurement of Ground Vibration from Transportation Sources	Being drafted.

with an old draft railway noise standard, which was abandoned.

Standard Z107.9 Standard for Noise Barriers on Roadways, is currently out for ballot by the main Acoustics and Noise Control Committee. It describes the physical requirements for noise barriers. This standard was based on the Ontario Ministry of Transportation barrier procurement guidelines and prepared to address the problems associated with premature failure of residential noise barriers. It provides uniform construction standards for noise barriers. The draft standard has already been adopted by Mississauga and Ottawa and forms the basis for an American highway standard.

P1.5.1 is being drafted by a committee chaired by Vic Schroter of the Ontario Ministry of the Environment and Energy. They had earlier reviewed the state of the art and concluded that there was a need for a measurement standard for vibration from rail and road vehicles.

Standards Z107.21 and Z107.25 are old standards prepared to assist the Federal and Ontario governments in regulating boats and motorcycles. Although the latter is very much in the news, the standards are not in active use. Before they are withdrawn and possibly replaced with ISO or SAE standards, representatives of these industries must be contacted and included in the Subcommittee. This was done with an earlier truck noise standard, which was replaced with an SAE standard and