

A Survey on Room Acoustic Properties of Music Rehearsal Rooms in Hungary

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ABSTRACT

A new ISO standard on acoustic criteria for music rehearsal rooms is under development, based on NS8178:2014. There are 9 universities, 13 secondary level and around 100 elementary level music schools in Hungary. We have started a survey on the rehearsal rooms of these institutions. The objective was to get an overview on the current situation and to see, whether the approach of the standard was compatible with the traditional ways of how musical schools manage their rehearsal rooms.

The survey consists of measurements and questionnaires. The questionnaire aims to gather general information: geometrical data, whether rooms are used for a specific instrument only or for several different ones, if there had been any consideration in the assignment of the rooms for the specific instruments, and if there had been any acoustic measures to tailor the rooms for their purpose. Reverberation time measurements are performed according to ISO 3382-1 and -2. Sound insulation and background noise levels are not investigated.

Schools of different construction types were selected, thus the survey, although necessarily covers only a fragment of all rooms, gives a good general impression on the current Hungarian situation and may be used in the development of the new standard.

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