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Measurement of installation noise and service equipment in buildings

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During the last years new methods for measuring installation noise and noise from service equipment in buildings on a unit European level have been developed (EN 10052 and EN 16032). EN 10052 contains a method for survey measurements, EN 16032 deals with the corresponding engineering method. The development of these two standards has taken a long time, because many technical and 'political' problems had to be discussed and solved. First of all, the estimation of the reverberation time using a prepared table for reverberation correction is one of the points which has been discussed intensively in the working group. In particular the categories of the room types and the estimation precision have been of importance for some countries. In addition to that the attention has been focused on the introduction of a "weighted" corner position in the receiving room for measurement of the sound pressure level. Last but not least the definition of consistent operating conditions for installations and service equipment has been a main task. However, a "European" compromise had been found and the standards will become official soon. The paper summarizes the discussion of the technical and 'political' points, and explains the most important issues in more detail.

The complete document was not available at the publication time. It has been replaced by the submitted abstract.