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Railway applications - Acoustics - Measuring of door audible warnings

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EUROPEAN STANDARD

**EN 17285**

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English Version

## Railway applications - Acoustics - Measuring of door audible warnings

Application ferroviaires - Acoustique - Mesurage des signaux audibles d'avertissement des portes

Bahnanwendung - Akustik - Messung akustischer Türsignale von Eisenbahnfahrzeugen

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 17285:2020) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

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## 1 Scope

This document specifies procedures to assess acoustic signals at passenger external doors applying to all kind of rolling stock. The following applies to this standard:

- this document refers to acoustical passenger information indicating the release, opening and closing of passenger doors;
- this document is applicable to tonal signals with defined frequency components levels and pulse sequences;
- this document is not applicable to spoken information or to signals comprising a sequence of impulses (such as a door finding signal).

NOTE Acoustic door signals are defined in EN 16584-2 "Design for PRM use".

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN IEC 60942, *Electroacoustics — Sound calibrators*

EN 61260 (series), *Electroacoustics — Octave-band and fractional-octave-band filters*

EN 61672-1, *Electroacoustics — Sound level meters — Part 1: Specifications*

EN 61672-2, *Electroacoustics — Sound level meters — Part 2: Pattern evaluation tests*

ISO 266, *Acoustics — Preferred frequencies*

ISO 1996-2:2017, *Acoustics — Description, measurement and assessment of environmental noise — Part 2: Determination of sound pressure levels*

## 3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>