

ICS 93.100

**Railway applications –
Track –**

**Noise barriers and related devices acting on airborne sound
propagation – Test method for determining the acoustic performance –
Part 3-1: Normalized railway noise spectrum and single number ratings
for diffuse field applications;
English version EN 16272-3-1:2012,
English translation of DIN EN 16272-3-1:2013-01**

**Bahnanwendungen –
Oberbau –**

**Lärmschutzwände und verwandte Vorrichtungen zur Beeinflussung der
Luftschallausbreitung – Prüfverfahren zur Bestimmung der akustischen Eigenschaften –
Teil 3-1: Standardisiertes Schienenverkehrslärmspektrum und Einzahl-Angaben für diffuse
Schallfelder;
Englische Fassung EN 16272-3-1:2012,
Englische Übersetzung von DIN EN 16272-3-1:2013-01**

**Applications ferroviaires –
Voie –**

**Dispositifs de réduction du bruit – Méthode d'essai pour la détermination des
performances acoustiques – Partie 3-1: Spectre de bruit ferroviaire normalisé et indices
uniques d'évaluation pour des applications en champs diffus;
Version anglaise EN 16272-3-1:2012,
Traduction anglaise de DIN EN 16272-3-1:2013-01**

Document comprises 12 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN 16272-3-1:2012) has been prepared by Technical Committee CEN/TC 256 “Railway applications” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was the *Normenausschuss Fahrweg und Schienenfahrzeuge* (Railway Standards Committee), Working Committee NA 087-00-01-11 UA *Lärmschutzwände an Schienenwegen*.

This standard is based on the English reference version.

English Version

**Railway applications - Track - Noise barriers and related devices
acting on airborne sound propagation - Test method for
determining the acoustic performance - Part 3-1: Normalized
railway noise spectrum and single number ratings for diffuse
field applications**

Applications ferroviaires - Voie - Dispositifs de réduction du
bruit - Méthode d'essai pour la détermination des
performances acoustiques - Partie 3-1: Spectre de bruit
ferroviaire normalisé et indices uniques d'évaluation pour
des applications en champs diffus

Bahnanwendungen - Oberbau - Lärmschutzwände und
verwandte Vorrichtungen zur Beeinflussung der
Luftschallausbreitung - Prüfverfahren zur Bestimmung der
akustischen Eigenschaften - Teil 3-1: Standardisiertes
Schienenverkehrslärmspektrum und Einzel-Angaben für
diffuse Schallfelder

This European Standard was approved by CEN on 15 September 2012.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels