



DPC: 24/30481829 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

Date: 25 January 2024

Origin: European

Latest date for receipt of comments: 19 March 2024

Project No. 2023/02452

Responsible committee: EH/1/2 Transport noise

Interested committees:

Title: Draft BS EN 15610 :2019/A1 Railway applications. Acoustics - Rail and wheel roughness measurement related to noise generation.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

WARNING: THIS IS A DRAFT AND MUST NOT BE REGARDED OR USED AS A BRITISH STANDARD. THIS DRAFT IS NOT CURRENT BEYOND 19 March 2024

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

No copying is allowed, in any form, without prior written permission from BSI except as permitted under the Copyright, Designs and Patent Act 1988 or for circulation within a nominating organization for briefing purposes. Electronic circulation is limited to dissemination by e-mail within such an organization by committee members.

Further copies of this draft may be purchased from BSI Shop <http://shop.bsigroup.com> or from BSI Customer Services, Tel: +44(0) 20 8996 9001 or email cservices@bsigroup.com. British, International and foreign standards are also available from BSI Customer Services.

Information on the co-operating organizations represented on the committees referenced above may be obtained from <https://standardsdevelopment.bsigroup.com/>.

Responsible Committee Secretary: Ms Joanna Macnamara (BSI)

Direct tel: 020 8996 7565

E-mail: joanna.macnamara@bsigroup.com

Full document details: 24/30481829 DC

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
------------------	------------------------

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

Railway applications - Acoustics - Rail and wheel roughness measurement related to noise generation

Applications ferroviaires - Acoustique - Mesurage de la
rugosité des rails et des roues relative à la génération
du bruit de roulement

Bahnwendungen - Akustik - Messung der Schienen-
und Radrauheit im Hinblick auf die Entstehung von
Rollgeräuschen

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 256.

This draft amendment A1, if approved, will modify the European Standard EN 15610:2019. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Contents	Page
European foreword	3
1 Modification to Clause 3, Terms and definitions	4
2 Modification to Clause 4, Symbols	4
3 Modification to 5.1.2, Accuracy of the output signal	4
4 Modification to 5.2.2.2, Localized geometric features.....	5
5 Modification to 5.2.6, Acoustic roughness acquisition.....	5
6 Addition of a new 5.2.7, Data quality checks.....	5
7 Modification to 6.1.2, Accuracy of the output signal	5
8 Modification to 6.2.4, Acoustic roughness acquisition.....	5
9 Addition of a new Clause 7, Wheel roughness measurements for the assessment of acoustic performance of brake blocks	6
10 Addition of a new 8.3 (to the formerly Clause 7 that has been renumbered Clause 8), Assessment of acoustic performance of brake blocks.....	8
11 Modification of Clause 8, Presentation of the rail and wheel roughness spectra.....	9
12 Modification of Clause 9, Report.....	9
13 Modification of Annex A, Examples of geometrical features on the rail	10
14 Modification of Annex D, Quantification of measurement uncertainties according to ISO/IEC Guide 98-3	11
15 Addition of a new informative Annex F, Specific intervals during the brake performance test program	12
16 Modification of the Bibliography	12

European foreword

This document (EN 15610:2019/prA1:2024) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN enquiry.

This document will supersede EN 15610:2019.

EN 15610:2019/prA1:2023 includes the following significant technical changes with respect to EN 15610:2019:

- Addition of new procedure to assess the acoustic performance of brake blocks

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.