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Responsible committee: RAE/1/-/8 Railway Applications - Vehicle/Track Interaction

Interested committees:

Title: Draft BS EN 14363-3 Railway applications - Testing and simulation for the acceptance of running characteristics of railway vehicles operated on the heavy rail network. Part 3: Stationary tests not obligatory on a European level.

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- 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

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Full document details: 25/30509330 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 Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.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
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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 - Testing and simulation for the
acceptance of running characteristics of railway vehicles
operated on the heavy rail network - Part 3: Stationary
tests not obligatory on a European level

Applications ferroviaires - Essais en vue de l'évaluation
du comportement dynamique des véhicules
ferroviaires circulant sur un réseau du système
ferroviaire lourd - Partie 3 : Essais stationnaires non
obligatoires au niveau européen

Bahnanwendungen - Prüfungen und Simulationen für
die Bewertung der fahrtechnischen Eigenschaften von
Schienenfahrzeugen, die auf dem Vollbahnnetz
betrieben werden - Teil 3: Stationäre Prüfungen, die
auf Europäischer Ebene nicht obligatorisch sind

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

If this draft becomes a European Standard, 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.

This draft European Standard 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.

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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.



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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 14363-3:2025) 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 together with prEN 14363-1:2025, prEN 14363-3:2025, prEN 14363-4:2025 and prEN 14363 5:2025, will supersede EN 14363:2016+A2:2022.

The EN 14363 Series “*Railway applications — Testing and Simulation for the assessment of running characteristics of rail vehicles operated on the heavy rail network*” consists of the following parts:

- prEN 14363-1:2025, *General*;
- prEN 14363-2:2025, *Safety against derailment on twisted track*;
- prEN 14363-3:2025, *Stationary tests that are not obligatory on European level*;
- prEN 14363-4:2025, *On-track testing*;
- prEN 14363-5:2025, *Simulations/calculations*;
- prCEN/TR 14363-6:2025, *Technical Report providing background information to the EN 14363 series of standards* (under development).

Introduction

General information for the application of this document is given in prEN 14363-1:2025.

1 Scope

This document applies to all railway vehicles including OTM's and Road-rail machines, which are operated on the heavy rail network with standard track gauge 1 435°mm and nominal static vertical wheelset forces up to 350 kN.

This document may also be applicable (partly or in full) to:

- rail systems with different track layout, e.g. urban rail systems and/or;
- rail systems with other than 1 435 mm nominal track gauge and/or;
- non-public rail networks and vehicles, e.g. mine rail systems.

NOTE For rail systems other than 1 435 mm track gauge or urban rail systems, the related post analysis, limit values and test conditions could be different. They are specified nationally taking into account track design and operating conditions.

This document contains the assessment of railway vehicles according to stationary test methods that are not obligatory on European level:

- determination of displacement characteristics;
- loading of the diverging branch of a switch;
- running safety in curved crossings for vehicles with small wheels;
- safety against derailment under longitudinal compressive forces in S-shaped curves.

It includes information about the field of possible applications.

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.

prEN 14363-1:2025,¹ *Railway applications — Testing and Simulation for the assessment of running characteristics of rail vehicles operated on the heavy rail network — Part 1: General*

EN 15273-2:2013+A1:2016, *Railway applications - Gauges - Part 2: Rolling stock gauge*

EN 17343:2023, *Railway applications - General terms and definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in prEN 14363-1:2025 and EN 17343:2023 apply.

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

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

¹ At draft stage.