



NSAI
Standards

Irish Standard
I.S. EN 50215:2009

Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service

I.S. EN 50215:2009

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i> EN 50215:1999	<i>This document is based on:</i> EN 50215:2009 EN 50215:1999	<i>Published:</i> 30 October, 2009 12 November, 1999
This document was published under the authority of the NSAI and comes into effect on: 9 February, 2010		ICS number: 45.060.01
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English version

**Railway applications -
Rolling stock -
Testing of rolling stock
on completion of construction and before entry into service**

Applications ferroviaires -
Matériel roulant -
Essais sur matériel roulant
après achèvement
et avant mise en service

Bahnanwendungen -
Bahnfahrzeuge -
Prüfung von Bahnfahrzeugen
nach Fertigstellung
und vor Indienststellung

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

I.S. EN 50215:2009

EN 50215:2009

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Foreword

This European Standard was prepared by SC 9XB, Electromechanical material on board rolling stock, of Technical Committee CENELEC TC 9X, Electrical and electronic applications for railways.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50215 on 2009-07-01.

This European Standard supersedes EN 50215:1999.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2010-07-01
 - latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2012-07-01
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1 Scope

This European Standard specifies general criteria to demonstrate by testing that newly constructed complete railway vehicles conform with standards or other normative documents.

This standard is intended to be used as technical instructions for the processing of tests which may be needed for demonstration of certain technical requirements where they are relevant.

This standard is not intended to be used as a list of approval requirements without consideration of aforementioned technical requirements.

This standard, as a whole or in part, applies to all railway vehicles except special purpose vehicles such as track-laying machines, ballast cleaners and personnel carriers. The extent of application of the standard for particular vehicles will be specifically mentioned in the contract.

NOTE 1 The parts of the standard which are applicable will depend on the type of vehicle (e.g. passenger, freight, powered, trailer, etc.).

NOTE 2 The scope of this standard excludes railbound and road/rail vehicles for construction and maintenance of railway infrastructure.

NOTE 3 This standard does not deal with tests carried out on components or equipment before fitting to the vehicle.

In so far as this standard is applicable it may be used for the following:

- generator sets mounted on a vehicle provided for auxiliary purposes;
- the electrical transmission used on trolley buses or similar vehicles;
- control and auxiliary equipment of vehicles with non-electrical propulsion systems;
- vehicles guided, supported or electrically propelled by systems which do not use the adhesion between wheel and rail.

2 Normative references

The following referenced documents are indispensable for the application 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 12663:2000, *Railway applications - Structural requirements of railway vehicle bodies*

EN 13129-2:2004, *Railway applications - Air conditioning for main line rolling stock - Part 2: Type tests*

EN 13272:2001, *Railway applications - Electrical lighting for rolling stock in public transport systems*

EN 13452-2:2003, *Railway applications - Braking - Mass transit brake systems - Part 2: Methods of test*

EN 13775-1:2003, *Railway applications - Measuring of new and modified freight wagons - Part 1: Measuring principles*

EN 13775-2:2003, *Railway applications - Measuring of new and modified freight wagons - Part 2: Freight wagons with bogies*

EN 13775-3:2003, *Railway applications - Measuring of new and modified freight wagons - Part 3: Freight wagons with 2 wheelsets*

EN 13775-4:2004, *Railway applications - Measuring of new and modified freight wagons - Part 4: Bogies with 2 wheelsets*

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