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Standards

Irish Standard
I.S. EN 15806:2010

Railway applications - Braking - Static brake testing

I.S. EN 15806:2010

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English Version

Railway applications - Braking - Static brake testing

Applications ferroviaires - Freinage - Essai statique de freinage

Bahnanwendungen - Bremse - Statische Bremsprüfung

This European Standard was approved by CEN on 21 August 2010.

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Foreword

This document (EN 15806:2010) 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the Directive 2008/57/EC.

For relationship with the EU Directive 2008/57/EC, see informative Annex ZA, which is an integral part of this document.

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Introduction

The objective of this European Standard is to provide a list of static test requirements which are at least to enable compliance with assessment of conformity after manufacturing.

This European Standard covers the static brake type and routine testing of brake systems used in railway vehicles. Only routine tested components may be used.

1 Scope

This European Standard specifies generic static tests requirements for the braking systems for all types of railway vehicles. Hereinafter all references to tests are to be read as “static” tests.

The methods of test and acceptance criteria are described in the appropriate standards (as example, for High speed trains, FprEN 15734-1 and FprEN 15734-2 apply).

Static tests conducted in normal service before the departure of the train are not considered in this standard.

This European Standard is applicable to brake systems on:

- all new vehicle designs of vehicles;
- all new constructions of existing vehicle types;
- all major overhauls of the above-mentioned vehicles if they involve redesigning or extensive alteration to the brake system of the vehicle concerned.

This European Standard does not apply to special transport systems (suspended monorail, rack and pinion lines, etc.), nor to investigative and supplementary tests.

Annex A presents the components and sub-systems to be incorporated in the brake system considered.

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 14478:2005, *Railway applications — Braking — Generic vocabulary*

EN 15595, *Railway applications — Braking — Wheel slide protection*

EN 15663, *Railway applications — Definition of vehicle reference masses*

EN 50125-1 *Railway applications — Environmental conditions for equipment — Part 1: Equipment on board rolling stock*

ISO 8573-1, *Compressed air — Part 1: Contaminants and purity classes*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14478:2005 and the following apply.

3.1

brake test

test which aims to prove that a brake system complies with the requirements in terms of function and performance

NOTE The brake tests may comprise:

- type test;
- routine tests.

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