

SLOVENSKI STANDARD oSIST prEN 45545-4:2010

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Železniške naprave - Požarna zaščita na železniških vozilih - 4. del: Protipožarne varnostne zahteve pri konstrukciji železniških vozil

Railway applications - Fire protection on railway vehicles - Part 4: Fire safety requirements for rolling stock design

Bahnanwendungen - Brandschutz in Schienenfahrzeugen - Teil 4: Brandschutzanforderungen an die konstruktive Gestaltung von Schienenfahrzeugen

Applications ferroviaires - Protection contre les incendies dans les véhicules ferroviaires - Partie 4: Exigences de sécurité incendie pour la conception des véhicules ferroviaires

Ta slovenski standard je istoveten z: prEN 45545-4

ICS:

13.220.20 Požarna zaščita Fire protection

45.060.01 Železniška vozila na splošno Railway rolling stock in

general

oSIST prEN 45545-4:2010 en,fr,de

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English Version

Railway applications - Fire protection on railway vehicles - Part 4: Fire safety requirements for rolling stock design

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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 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.

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

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prEN 45545-4:2010 (E)

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prEN 45545-4:2010 (E)

Foreword

This document (prEN 45545-4:2010) 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 CEN/TS 45545-4:2009.

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 EU Directive 2008/57/EC.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This series of European standards Railway applications — Fire protection on railway vehicles consists of:

- Part 1: General;
- Part 2: Requirements for fire behaviour of materials and components;
- Part 3: Fire resistance requirements for fire barriers;
- Part 4: Fire safety requirements for railway rolling stock design;
- Part 5: Fire safety requirements for electrical equipment including that of trolley buses, track guided buses and magnetic levitation vehicles;
- Part 6: Fire control and management systems;
- Part 7: Fire safety requirements for flammable liquid and flammable gas installations.

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prEN 45545-4:2010 (E)

Introduction

This part is based on existing fire safety regulations for railway vehicles from the International Union of Railways (UIC) and different European countries.

In using the operation and design categories defined in prEN 45545-1, the requirements laid down in this part take into account the current operating conditions for European public rail transport.

1 Scope

This part specifies fire safety requirements for railway vehicle design to cover the objectives defined in prEN 45545-1.

The measures and requirements specified in this part of the document aim to protect passengers and staff in railway vehicles in the event of a fire on board by minimizing the risk of a fire starting, delaying the fire development and controlling the spread of fire products through the vehicle, thus aiding evacuation.

It is not within the scope of this standard to describe measures which ensure the preservation of the vehicles in the event of a fire.

This part is valid for railway vehicles defined in prEN 45545-1.

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.

prEN 45545-1:2009, Railway applications — Fire protection of railway vehicles — Part 1: General

prEN 45545-2, Railway applications — Fire protection of railway vehicles — Part 2: Requirements for fire behaviour of materials and components

prEN 45545-5, Railway applications — Fire protection of railway vehicles — Part 5: Fire safety requirements for electrical equipment including that of trolley buses, track guided buses and magnetic levitation vehicles

prEN 45545-6, Railway applications — Fire protection of railway vehicles — Part 6: Fire control and management systems

prEN 45545-7, Railway applications — Fire protection of railway vehicles — Part 7: Fire safety requirements for flammable liquid and flammable gas installations

EN 60529, Degrees of protection provided by enclosures (IP code) (IEC 60529:1989)

EN ISO 13943:2000, Fire safety — Vocabulary (ISO 13943:2000)

EN ISO 15540, Ships and marine technology — Fire resistance of hose assemblies — Test methods (ISO 15540:1999)