



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 45545-5:2013

**Railway applications - Fire protection
on railway vehicles - Part 5: Fire safety
requirements for electrical equipment
including that of trolley buses, track**

Bahnanwendungen - Brandschutz in
Schienenfahrzeugen - Teil 5:
Brandschutzanforderungen an die
elektrische Ausrüstung einschließlich der

Applications ferroviaires - Protection
contre les incendies dans les véhicules
ferroviaires - Partie 5: Exigences de
sécurité incendie pour l'équipement

03/2013



National Foreword

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English version

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

Applications ferroviaires -
Protection contre les incendies dans les
véhicules ferroviaires -
Partie 5: Exigences de sécurité incendie
pour l'équipement électrique, y compris
celui des trolleybus, des autobus guidés et
des véhicules à sustentation magnétique

Bahnanwendungen -
Brandschutz in Schienenfahrzeugen -
Teil 5: Brandschutzanforderungen an die
elektrische Ausrüstung einschließlich der
von Oberleitungsbussen, spurgeführten
Bussen und Magnetschwebefahrzeugen

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Management Centre: Avenue Marnix 17, B - 1000 Brussels

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Foreword

This document (EN 45545-5:2013) has been prepared by the CEN/CENELEC Joint Working Group "Fire protection for railway applications" of CEN/TC 256 "Railway applications" and CENELEC/TC 9X "Electrical and electronic applications for railways".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-12-10
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2015-12-10

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This document supersedes CLC/TS 45545-5:2009.

This document has been prepared under a mandate given to CENELEC 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 2008/57/EC, see informative Annex ZZ, 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.

Introduction

This European Standard has been developed from 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 EN 45545-1, the requirements laid down in the different parts of EN 45545 will take into account the current operating conditions for European public rail transport.