

Irish Standard I.S. EN 16586-2:2017

Railway applications - Design for PRM use -Accessibility of persons with reduced mobility to rolling stock - Part 2: Boarding aids

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I.S. EN 16586-2:2017

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National Foreword

I.S. EN 16586-2:2017 is the adopted Irish version of the European Document EN 16586-2:2017, Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 2: Boarding aids

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EUROPEAN STANDARD

EN 16586-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Railway applications - Design for PRM use - Accessibility of persons with reduced mobility to rolling stock - Part 2: Boarding aids

Applications ferroviaires - Conception destinée à l'usage par les PMR - Accessibilité du matériel roulant aux personnes à mobilité réduite - Partie 2 : Dispositifs d'aide à l'embarquement et au débarquement

Bahnanwendungen - Gestaltung für die Nutzung durch PRM - Barrierefreier Zugang - Teil 2: Einstiegshilfen

This European Standard was approved by CEN on 16 January 2017.

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EN 16586-2:2017 (E)

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EN 16586-2:2017 (E)

European foreword

This document (EN 16586-2:2017) 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of an identical text or by endorsement, at the latest by October 2017, and conflicting national standards shall be withdrawn at the latest by October 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN 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 EU Directive 2008/57/EC.

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

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EN 16586-2:2017 (E)

Introduction

This document is part of a suite of four 'Design for PRM use' standards that have in total nine parts:

- EN 16584 is a standard that covers both infrastructure and rolling Stock Railway applications Design for PRM use General requirements:
 - Part 1: Contrast (EN 16584-1)
 - Part 2: Information (EN 16584-2)
 - Part 3: Optical and friction characteristics (EN 16584-3)
- EN 16585 is a standard that covers rolling stock Railway applications Design for PRM use Equipment and components on board rolling stock:
 - Part 1: Toilets (EN 16585-1)
 - Part 2: Elements for sitting, standing and moving (EN 16585-2)
 - Part 3: Clearways and internal doors (EN 16585-3)
- EN 16586 is a standard that covers rolling stock Railway applications Design for PRM use Accessibility of persons with reduced mobility to rolling stock:
 - Part 1: Steps for access and egress (EN 16586-1)
 - Part 2: Boarding aids (EN 16586-2)
- EN 16587 is a standard that covers infrastructure Railway applications Design for PRM use — Requirements for obstacle free routes for infrastructure.

These standards aim to clarify the requirements (with clear and consistent terms and definitions) and to define the associated criteria and, where appropriate, methodologies to allow a clear pass/fail assessment.

1 Scope

This European Standard describes the specific 'Design for PRM use' requirements applying to rolling stock and the assessment of those requirements. The following applies to this standard:

- the definitions and requirements describe specific aspects of 'Design for PRM use' required by persons with disabilities and persons with reduced mobility as defined in the PRM TSI;
- this standard defines elements which are universally valid for obstacle free travelling including steps for access and egress and boarding aids. The definitions and requirements of this standard are to be used for rolling stock applications;
- this standard only refers to aspects of accessibility for PRM passengers it does not define general requirements and general definitions;
- this standard assumes that the vehicle is in the defined operating condition;
- where minimum or maximum dimensions are quoted these are absolute NOT nominal.

The 'Accessibility of persons with reduced mobility' standard is written in two parts:

- Part 1 contains:
 - steps for access and egress.
- this document is Part 2 and contains:
 - boarding aids.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1756-2:2004+A1:2009, Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements - Part 2: Tail lifts for passengers

EN 14752, Railway applications - Body side entrance systems for rolling stock

EN 15273-2, Railway applications - Gauges - Part 2: Rolling stock gauge

EN 16584-1, Railway applications — Design for PRM use — General requirements — Part 1: Contrast

EN 16584-3, Railway applications — Design for PRM use — General requirements — Part 3: Optical and friction characteristics

EN 16585-1:2017, Railway applications — Design for PRM use — Equipment and components on board rolling stock — Part 1: Toilets

EN 16585-3, Railway applications — Design for PRM use — Equipment and components on board rolling stock — Part 3: Clearways and internal doors



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