



BSI Standards Publication

Railway applications — Design for PRM use — Accessibility of persons with reduced mobility to rolling stock

Part 2: Boarding aids

National foreword

This British Standard is the UK implementation of EN 16586-2:2017.

The UK participation in its preparation was entrusted by Technical Committee RAE/1, Railway Applications.

A list of organizations represented on this committee can be obtained on request to its secretary.

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ISBN 978 0 580 74365 8

ICS 11.180.01; 45.060.20

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2017.

Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 16586-2

April 2017

ICS 11.180.01; 45.060.20

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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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of an identical text or by endorsement, at the latest by October 2017, and conflicting national standards shall be withdrawn at the latest by October 2017.

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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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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*