

PD CLC/TR 50623:2014



BSI Standards Publication

# Railway applications — Functional Interface Specification — Door System

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### **National foreword**

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The UK participation in its preparation was entrusted to Technical Committee GEL/9, Railway Electrotechnical Applications.

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

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English Version

**Railway applications - Functional Interface Specification - Door  
System**

Applications ferroviaires - Spécification d'interface  
fonctionnelle - Système de porte

To be completed

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## **Foreword**

This document (CLC/TR 50623:2014) has been prepared by WG15 of CLC/TC 9X "Electrical and electronic applications for railways".

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

## 1 Scope

This Technical Report is covering the whole external door system which includes also movable steps and ramps.

It describes the functional interfaces of door system connected at vehicle level to the TCMS. It includes the direct I/O interface to train-lines.

## 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 61131-3:2013, *Programmable controllers - Part 3: Programming languages (IEC 61131-3:2013)*

UIC 556, *Information transmission in the train (train-bus)*

UIC 558, *Remote control and data cable - Standard technical features for the equipping of RIC coaches*

## 3 Terms, definitions and abbreviations

For the purposes of this document, the following terms, definitions and abbreviations apply.

### 3.1 Terms and definitions

#### 3.1.1

##### **configuration**

action that affects the system function

#### 3.1.2

##### **conventional train-lines**

train lines that are described in the UIC leaflet 558

#### 3.1.3

##### **parameterisation**

action that affects the system behaviour

#### 3.1.4

##### **released door**

door enabled to act on passenger commands. A door is released by the given release command from driver or train crew and the proper speed condition is achieved (VeryLowSpeed)