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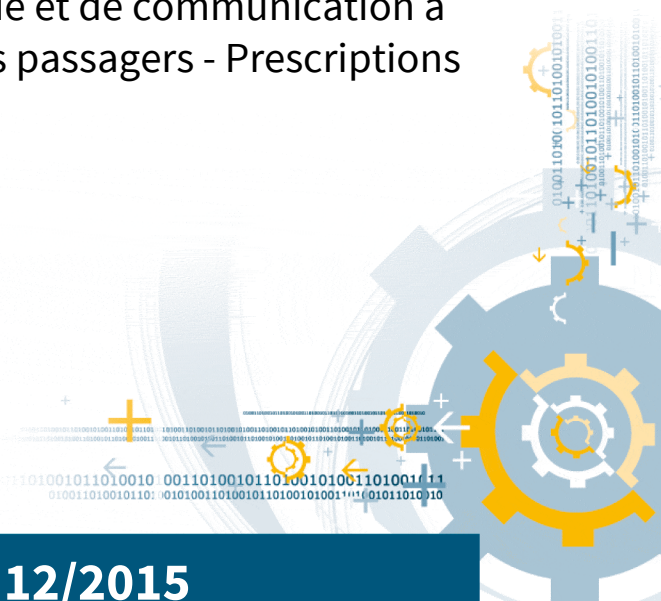
ILNAS-EN 16683:2015

Railway applications - Call for aid and communication device - Requirements

Bahnanwendungen - Hilferufvorrichtung und Kommunikationseinrichtung für Fahrgäste - Anforderungen

Applications ferroviaires - Dispositifs d'appel à l'aide et de communication à disposition des passagers - Prescriptions

12/2015

National Foreword

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 16683

December 2015

ICS 13.320; 45.060.01

English Version

Railway applications - Call for aid and communication device - Requirements

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Ref. No. EN 16683:2015 E

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European foreword

This document (EN 16683:2015) 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of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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(s).

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

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1 Scope

This European Standard specifies:

— the functional requirements for a Call For Aid and Communication device;

— the dynamic analysis of the Call For Aid system.

NOTE 1   The Call For Aid function on existing vehicles may require modification to work in conjunction with vehicles that comply with this European Standard.

NOTE 2   The Call For Aid function is separate from the Passenger Alarm System (PAS), which is provided to deal with emergency situations. The PAS is described in EN 16334.

NOTE 3   The communication device is different from the PAS, but it can share some parts of the PAS to achieve its functionalities.

NOTE 4   The PAS is regarded as a safety relevant system whereas the CFA and communication device are non-safety relevant aids to passengers.

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 16334, *Railway applications - Passenger Alarm System - System requirements*

prEN 16584 (all parts), *Railway applications — Design for PRM use — General requirements*

prEN 16585 (all parts), *Railway applications — Design for PRM use — Equipment and Components onboard Rolling Stock*

ISO 3864-1, *Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings*

3   Terms, definitions and abbreviations

3.1 Terms and definitions

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

3.1.1
authorized person
operational people authorized to deal with the situation following CFAD or communication device operation

Note 1 to entry   An authorized person could be, for example, either staff on the train or at a call centre as defined by operating rules.

3.1.2
call for aid
CFA
system used to enable passengers to inform an authorized person or the driver of a request for help

3.1.3
call for aid device
CFAD
device used to trigger the CFA by a passenger

3.1.4
CFAD operated
status of the CFAD (for example a push button) when its passenger interface is manipulated in order to change its status and send information to the CFA system

3.1.5
communication device
system used to enable the passengers to speak to authorized persons

3.1.6
communication device interface
interface used by the passenger to speak to authorized persons

3.1.7
driver only operation
DOO
train without authorized persons on board, except the driver

3.1.8
public address
PA
system used by authorized persons to broadcast to the passenger areas

Note 1 to entry: This is also known as audible communication system.

3.1.9
sleeping car attendant
dedicated authorized person who is responsible for sleeping car(s) during night operation

3.1.10
staff on board operation
SOO
train with authorized persons on board in addition to the driver

3.2 Abbreviations

For the purposes of this document, the following abbreviated terms apply.

DMI   Driver machine interface

PAS   Passenger alarm system (defined in EN 16334)

PRM   Persons with disabilities and persons with reduced mobility

TCMS   Train control and monitoring system