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Railway applications - Passenger alarm system - Part 2: System requirements for urban rail

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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Applications ferroviaires - Système d'alarme passager - Partie 2 : Prescriptions relatives au système pour le rail

Bahnanwendungen - Fahrgastalarmsystem - Teil 2: Systemanforderungen für städtische Schienenbahnen

This European Standard was approved by CEN on 13 October 2019.

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European foreword

This document (EN 16334-2:2020) 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of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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.

1 Scope

This document specifies the characteristics of the Passenger Alarm System (PAS) for Urban Rail.

This document covers the PAS fitted to the passenger carrying Urban Rail rolling stock and specifies:

- the safety related requirements;
- the functional requirements of PAS triggered by passengers;
- the requirements for the communication channel between passengers and the driver or Operations Control Centre (OCC);
- the requirements for the functional behaviour of the PAS;
- the requirements for the degraded modes management;
- the requirements for the Passenger Alarm Device (PAD) and PAD area.

This document is applicable to the categories I to III of Urban Rail rolling stock defined in CEN/CLC Guide 26:

- (I) metros;
- (II) trams;
- (III) light rail.

NOTE 1 CEN/CLC Guide 26 defines Metro, Tram and Light Rail as public transport systems permanently guided at least by one rail, intended for the operation of local, urban and suburban passenger services with self-propelled vehicles and operated either segregated or not from general road and pedestrian traffic.

- NOTE 2 The PAS function on existing vehicles could require modification to work in conjunction with vehicles that comply with this document.
- NOTE 3 This document covers urban rail rolling stock, both with or without a driver.
- NOTE 4 For rolling stock devoted to suburban passenger services, this document applies when the TSIs do not apply.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13272-2, Railway applications — Electrical lighting for rolling stock in public transport systems — Part 2: Urban rail

EN 13452-1, Railway applications — Braking — Mass transit brake systems — Part 1: Performance requirements

EN 14478:2017, Railway applications — Braking — Generic vocabulary

EN 62267:2009, Railway applications — Automated urban guided transport (AUGT) — Safety requirements (IEC 62267:2009)

EN 62290 (all parts), Railway applications — Urban guided transport management and command/control systems (IEC 62290, all parts)

ISO 3864-4:2011, Graphical symbols — Safety colours and safety signs — Part 4: Colorimetric and photometric properties of safety sign materials

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