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Standards

Irish Standard  
I.S. EN 17355:2020

# Railway applications - Communication device for urban rail - System requirements

**I.S. EN 17355:2020**

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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## National Foreword

I.S. EN 17355:2020 is the adopted Irish version of the European Document EN 17355:2020, Railway applications - Communication device for urban rail - System requirements

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**EUROPEAN STANDARD**

**EN 17355**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

August 2020

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English Version

## **Railway applications - Communication device for urban rail - System requirements**

Applications ferroviaires - Système de communication  
pour le rail urbain - Exigences système

Bahnwendungen - Kommunikationseinrichtung für  
Fahrgäste städtischer Schienenbahnen -  
Systemanforderungen

This European Standard was approved by CEN on 17 May 2020.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## Contents

Page

<b>European foreword.....</b>	<b>3</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references.....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>4</b>
<b>4 Symbols and abbreviations .....</b>	<b>5</b>
<b>5 Communication device interfaces overview .....</b>	<b>6</b>
<b>6 Communication device function .....</b>	<b>7</b>
<b>6.1 General.....</b>	<b>7</b>
<b>6.2 Requirements.....</b>	<b>7</b>
<b>6.3 Communication device interface design requirements.....</b>	<b>8</b>
<b>6.4 Communication priority requirements .....</b>	<b>8</b>
<b>Annex A (informative) Flowchart of communication device operation.....</b>	<b>9</b>
<b>Annex B (informative) Communication device passenger interface.....</b>	<b>10</b>
<b>Bibliography.....</b>	<b>11</b>

## **European foreword**

This document (EN 17355:2020) 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 February 2021, and conflicting national standards shall be withdrawn at the latest by February 2021.

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.

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## EN 17355:2020 (E)

### 1 Scope

This document defines the following elements for urban rail rolling stock:

- the functional requirements for a communication device between passengers and driver or operations control centre (OCC);
- the dynamic behaviour of the communication device.

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.

This document applies to urban rail rolling stock both with and without driver.

NOTE 2 The communication device is different from the PAS, but it can share some parts of the PAS to achieve its functionalities.

NOTE 3 The PAS is regarded as a safety relevant system whereas communication device is non-safety relevant aid to passengers.

### 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 16334-2, *Railway applications — Passenger alarm system — Part 2: System requirements for urban rail*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16334-2 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

#### 3.1

##### **authorized person**

person involved in operational activities and who is authorized to deal with the situation following communication device operation

Note 1 to entry: An authorized person could be, for example, a staff member on duty either on the urban rail vehicle or at an OCC, as defined by operational rules.



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