

This document is a preview generated by EVS

Railway applications - Ground based services - Coach hygiene requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 17863:2023 sisaldab Euroopa standardi EN 17863:2023 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 25.10.2023.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 17863:2023 consists of the English text of the European standard EN 17863:2023.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 25.10.2023.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
---	---

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 45.060.20

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardimis- ja Akrediteerimiskeskusele
Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardimis- ja Akrediteerimiskeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardimis- ja Akrediteerimiskeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation and Accreditation
No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation and Accreditation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation and Accreditation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

EUROPEAN STANDARD

EN 17863

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2023

ICS 45.060.20

English Version

Railway applications - Ground based services - Coach hygiene requirements

Applications ferroviaires - Stations service - Exigences
d'hygiène des matériels roulants destinés au transport
de passagers

Bahnanwendungen - Versorgungsdienste -
Hygieneanforderungen des Personenverkehrs

This European Standard was approved by CEN on 28 August 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Water equipment	6
4.1 Water supply and storage	6
4.2 Hand wash basin	8
4.3 Shower	11
4.4 Waste water (from sink and shower)	11
5 Toilet	12
5.1 Provision of toilet	12
5.2 Universal toilet	16
5.3 All toilets	16
6 On board staff facilities	25
7 Maintenance	25
7.1 Design	25
7.2 Instructions	26
7.3 Cleaning of water system, sinks and showers	27
7.4 Cleaning of toilet bowls	27
7.5 Cleaning of toilet cubicles and system	28
7.6 Cleaning products	28
Annex A (informative) Pictograms	29
Annex B (informative) Cleaning chemicals	34
Bibliography	35

European foreword

This document (EN 17863:2023) 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 April 2024 and conflicting national standards shall be withdrawn at the latest by April 2024.

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.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies the requirements for hygiene and cleanliness on railway vehicles and where appropriate the necessary interfacing infrastructure equipment.

The areas specifically concerned on the railway vehicle include toilets, toilet doors, hand wash facilities, baby changing facilities, feminine hygiene articles management and fresh water supply. In the catering areas for water supply and disposal systems only.

This document also includes extensive guidance and best practice to assist in the design, manufacture, operation and maintenance of railway vehicle hygiene equipment.

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 33:2019, *WC pans and WC suites - Connecting dimensions*

EN 547-3:1996+A1:2008, *Safety of machinery - Human body measurements - Part 3: Anthropometric data*

EN 997:2018, *WC pans and WC suites with integral trap*

EN 1717:2000, *Protection against pollution of potable water in water installations and general requirements of devices to prevent pollution by backflow*

EN 13129:2016, *Railway applications - Air conditioning for main line rolling stock - Comfort parameters and type tests*

EN 13272-1:2019, *Railway applications - Electrical lighting for rolling stock in public transport systems - Part 1: Heavy rail*

EN 14750-1:2006, *Railway applications - Air conditioning for urban and suburban rolling stock - Part 1: Comfort parameters*

EN 16362:2013, *Railway applications - Ground based services - Water restocking equipment*

EN 16584-2:2017, *Railway applications - Design for PRM use - General requirements - Part 2: Information*

EN 16584-3:2017, *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 onboard rolling stock - Part 1: Toilets*

EN 16585-3:2017, *Railway applications - Design for PRM use - Equipment and components on board rolling stock - Part 3: Clearways and internal doors*

EN 16922:2017+A1:2019, *Railway applications - Ground based services - Vehicle waste water discharge equipment*

EN 17343:2020, *Railway applications - General terms and definitions*

EN 45545-2:2020, *Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components*

EN 45545-6:2013, *Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 17343:2020 and the following apply.

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

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

3.1

black water

water previously used in the toilet

Note 1 to entry: This is a combination of water, human waste, toilet chemicals, toilet paper.

3.2

grey water

water previously used in the handwash sink

Note 1 to entry: This is a combination of water and soap only.

3.3

purple water

water previously used in the kitchen sink, dishwasher waste and shower

Note 1 to entry: This is a combination of water, soap, fats, cleaning chemicals.

3.4

water intended for human consumption

water meeting European Directive 2020/2184 used for human consumption, food preparation and washing/bathing, as set out in 4.1.2

3.5

low use toilet

toilet cabin with an anticipated daily use of less than 10 occasions

3.6

square socket key

Berne key

key in accordance with EN 14752:2019+A1:2021, Annex H