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Inland navigation vessels - Floating landing stages and floating bridges on inland waters - Requirements, tests

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 14504:2024 sisaldab Euroopa standardi EN 14504:2024 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.10.2024.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 14504:2024 consists of the English text of the European standard EN 14504:2024.</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 09.10.2024.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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EUROPEAN STANDARD

EN 14504

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Inland navigation vessels - Floating landing stages and floating bridges on inland waters - Requirements, tests

Bateaux de navigation intérieure - Embarcadères flottants et appontements flottants sur des eaux intérieures - Exigences, essais

Fahrzeuge der Binnenschifffahrt - Schwimmende Anlegestellen und schwimmende Brücken auf Binnengewässern - Anforderungen, Prüfungen

This European Standard was approved by CEN on 23 September 2024.

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.

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

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

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European foreword

This document (EN 14504:2024) has been prepared by Technical Committee CEN/TC 15 “Inland navigation vessels”, 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 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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 will supersede EN 14504:2019.

EN 14504:2024 includes the following significant technical changes with respect to EN 14504:2019:

- definition for dolphins added;
- more detailed specification regarding the arrangement of climbing devices in 5.2.2 added;
- reference to EN 17210 regarding accessibility, added in 6.1 and for this the requirement for the slope angle in 6.2.3 deleted;
- Annex B “Additional requirements for floating landing stages for cargo shipping” added;
- Bibliography updated.

This document specifies safety requirements for floating landing stages and floating bridges on inland waters within the meaning of European Parliament and Council Directive (EU) 2016/1629 of 14 September 2016 laying down technical requirements for inland waterway vessels.

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 organisations 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 safety requirements for floating landing stages and floating bridges for use by passengers and crew.

Requirements for facilities for supply and waste disposals are not covered by this document.

This document is not applicable to:

- floating landing stages for motor vehicle traffic;
- floating landing stages for recreational craft and inland navigation craft that are not vessels, e.g. floating equipment;
- more severe requirements for floating landing stages used for the transshipment of dangerous goods;
- any gangway required between vessel and floating landing stage;
- specialized floating structures which are not used for passenger traffic or the berthing of vessels;
- floating landing stages and bridges with equipment for cargo handling.

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 711, *Inland navigation vessels — Railings for decks and side decks — Requirements, designs and types*
- EN 790, *Inland navigation vessels — Stairs with inclination angles of 45° to 60° — Requirements, types*
- EN 1492-4, *Textile slings — Safety — Part 4: Lifting slings for general service made from natural and man-made fibre ropes*
- EN 1990, *Eurocode — Basis of structural and geotechnical design*
- EN 1991-1-4, *Eurocode 1: Actions on structures — Part 1-4: General actions — Wind actions*
- EN 13056, *Inland navigation vessels — Stairs with inclination angles of 30° to < 45° — Requirements, types*
- EN 13281, *Inland navigation vessels — Safety requirements for walkways and working places*
- EN 13411-2, *Terminations for steel wire ropes — Safety — Part 2: Splicing of eyes for wire rope slings*
- EN 13574, *Inland navigation vessels — Permanently installed climbing devices with a length not exceeding 5 m*
- EN 14144, *Lifebuoys — Requirements, tests*
- EN 14145, *HOLDERS for lifebuoys*
- EN 17210, *Accessibility and usability of the built environment — Functional requirements*

EN 60529, *Degrees of protection provided by enclosures (IP Code) (IEC 60529)*

EN ISO 1140, *Fibre ropes — Polyamide — 3-, 4-, 8- and 12-strand ropes (ISO 1140)*

EN ISO 1346, *Fibre ropes — Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes (ISO 1346)*

EN ISO 14122 (all parts), *Safety of machinery — Permanent means of access to machinery (ISO 14122 (all parts))*

EN ISO 18422, *Ships and marine technology — Inland navigation vessels — Plate with instructions for rescue, resuscitation and first aid for drowning persons (ISO 18422)*

ISO 8793, *Steel wire ropes — Ferrule-secured eye terminations*

ISO 18421, *Ships and marine technology — Inland navigation vessels — Lifebuoy housings*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1990 and the following apply.

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

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

3.1 floating establishment

floating construction used for the safe passage of persons on inland waters

Note 1 to entry: A floating establishment is either a floating landing stage or a floating bridge.

3.1.1 floating landing stage

floating establishment used for berthing and mooring of vessels and for passenger traffic

3.1.2 floating bridge

floating establishment without berth, used solely for passenger traffic and not for berthing or mooring vessels

3.2 floating body

one or more fixed buoyancy bodies with a traffic area and/or a connecting bridge support

3.3 buoyancy body

body capable of floating that either

- consists of waterproof air chambers or
- is completely filled with a closed-pore material