EVS TEATAJA

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Uued Eesti standardid

Standardikavandite **arvamusküsitlus**

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite **tõlked kommenteerimisel**

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN IEC 61987-41:2025

Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 41: Lists of properties (LOPs) of process analysers for electronic data exchange - Generic structures

IEC 61987-41: 2025 provides:
• a characterization for the integration of process analysers in the Common Data Dictionary (CDD),
• generic structures for operating lists of properties (OLOP) and device lists of properties (DLOP) of measuring equipment in conformance with IEC 61987-10,
• generic structures for Dynamic Data, e.g. for condition monitoring of process analysers.
The generic structures for the OLOP and DLOP contain the most important blocks for process analysers. Blocks pertaining to a specific equipment type will be described in the corresponding part of the IEC 61987 standard series. Similarly, equipment properties are not part of this document. Thus, OLOP, DLOPs and LOPDs for selected process analysers families will be found in the IEC CDD.

Keel: en
Alusdokumendid: IEC 61987-41:2025; EN IEC 61987-41:2025

EVS-ISO/IEC 20546:2025

Infotehnoloogia. Suurandmed. Ülevaade ja sõnavara
Information technology -- Big data -- Overview and vocabulary (ISO/IEC 20546:2019, identical)

Dokument annab valdkonna paremaks mõistmiseks ja kommunikatsiooniks vajaliku terminite ja määratluste baasi. Ühtlasi esitatakse terminoloogiline baas suurandmetega seotud standarditele.

Dokument annab kontseptuaalse ülevaate suurandmete valdkonnast, kirjeldab selle ala suhteid muude tehniliste alade ja standardimispüüetega ning esitab suurandmetega seostatavad mõisted, mis ei ole valdkonnas uued.

Keel: en, et
Alusdokumendid: ISO/IEC 20546:2019

03 TEENUSED. ETTEVÕTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA

EVS-EN 17975:2025

Maintenance - Risk control processes of energies and fluids risks in maintenance activities - Guidance

This document provides users with guidance that help manage risks related to energies & fluids during maintenance activities on items when in use. It is the responsibility of each employer, according to the terms commonly used in the company, to:

- Set out the correlation between the processes described in this document and standard practices,
- Define the roles and responsibilities of the people involved in the energies & fluids lockout process.

This document refers to concepts, definitions, rules, recommendations, and best practices taken from national and international documents (lockout/tagout - "administrative lockout" - Lockout/Tagout (LOTO) - Safe isolation) that cover activities to ensure the safety of workers with respect to energies & fluids.

This document deals with the prevention of energy & fluid (e.g. powders, gases, liquids, etc.) related risks; it is noted that some are covered by specific regulations or standards, such as the electrical risk. Environmental issues related to energies & fluids are not in the scope of this document. Danger associated with energies & fluids can be direct (e.g. contact, absorption, etc.) or indirect by reaction (e.g. mixing, heating, etc.). The scope includes all fluids because they can be intrinsically dangerous or become dangerous.

The recommendations given in this document have been drawn up with a view to ensure the safety and health of workers around hazardous energies & fluids, and situations when they are conducting actions related to maintenance, settings or changing formats, regardless of the type of activity.

The recommendations relate to activities carried out on items. They are applied before, during and after the operation to:

- The energies & fluids supplied, contained, transported, or released by items, products,
- Risks related to the presence of hazardous energies & fluids for the worker and the surrounding personal.

This document is a methodological guideline within the maintenance standards.
NOTE Particular cases such as risks of lack of presence of vital elements for the worker (e.g. breathable air) are in the scope but will not be detailed.

Keel: en
Alusdokumendid: EN 17975:2025

EVS-EN ISO 17419:2025

Intelligent transport systems - Globally unique identification (ISO 17419:2025)

This document:

— describes and specifies globally unique addresses and identifiers (ITS-S object identifiers) that are both internal and external to ITS stations and are used for ITS station management;

— describes how ITS-S object identifiers and related technical parameters are used for classification, registration and management of ITS applications and ITS application classes;

— describes how ITS-S object identifiers are used in the ITS communication protocol stack;

— introduces an organizational framework for registration and management of ITS-S objects;

— defines and specifies management procedures at a high functional level;

— specifies an ASN.1 module for the identifiers, addresses and registry records identified in this document; and

— specifies an ASN.1 module for a C-ITS data dictionary containing ASN.1 type definitions of general interest.

This document is based on the architecture of an ITS station specified in ISO 21217 as a bounded secured managed domain (BSMD).

Keel: en
Alusdokumendid: ISO 17419:2025; EN ISO 17419:2025
Asendab dokumenti: EVS-EN ISO 17419:2018
Asendab dokumenti: EVS-EN ISO 17419:2018/A1:2024

11 TERVISEHOOLDUS

EVS-EN IEC 60601-2-83:2020/A1:2025

Elektrilised meditsiiniseadmed. Osa 2-83: Erinõuded koduse valgusraviseadme esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment

Amendment to EN IEC 60601-2-83:2020

Keel: en
Alusdokumendid: IEC 60601-2-83:2019/AMD1:2022; EN IEC 60601-2-83:2020/A1:2025
Muudab dokumenti: EVS-EN IEC 60601-2-83:2020
Muudab dokumenti: EVS-EN IEC 60601-2-83:2020+A11:2021

EVS-EN ISO 14889:2025

Oftalmiline optika. Prilliläätsed. Põhinõuded mõõtulõikamata viimistletud prilliläätsedele
Ophthalmic optics - Spectacle lenses - Fundamental requirements for uncut finished lenses (ISO 14889:2025)

This document specifies fundamental requirements for uncut finished spectacle lenses. This document is not applicable to protective spectacle lenses.

This document takes precedence over the corresponding requirements of other standards, if differences exist.

Keel: en
Alusdokumendid: ISO 14889:2025; EN ISO 14889:2025
Asendab dokumenti: EVS-EN ISO 14889:2013
Asendab dokumenti: EVS-EN ISO 14889:2013/A1:2017

EVS-EN ISO 80369-6:2025

Small bore connectors for liquids and gases in healthcare applications - Part 6: Connectors for neural applications (ISO 80369-6:2025)

NOTE Clause A.2 contains guidance or rationale for this clause.

This document specifies requirements for small-bore connectors intended to be used for connections in neural applications.

This document does not specify requirements for the medical devices or accessories that use these connectors. Such requirements are given in particular standards for specific medical devices or accessories.

Keel: en
Alusdokumendid: ISO 80369-6:2025; EN ISO 80369-6:2025
Asendab dokumenti: EVS-EN ISO 80369-6:2016

EVS-EN ISO 9917-1:2025

Dentistry - Water-based cements - Part 1: Acid-base cements (ISO 9917-1:2025)

This document specifies requirements and test methods for acid-base, dental cements intended for permanent cementation, lining and restoration. This document is not intended to address resin-modified water-based cements. This document is applicable to both hand-mixed and encapsulated cements for mechanical mixing. This document specifies limits for each of the

properties according to whether the cement is intended for use as a luting agent, base or liner, restorative material or pit and fissure sealing cement.

Keel: en
Alusdokumendid: ISO 9917-1:2025; EN ISO 9917-1:2025
Asendab dokumenti: EVS-EN ISO 9917-1:2007

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 19174:2025

Geographic information - Securing interoperability among heterogeneous city domain information models (ISO/TR 19174:2025)

This document analyses a feasible way to accommodate interoperability elements for the data component of a spatial data infrastructure (SDI) and extend the meta model framework for interoperability (MFI) in securing interoperability among heterogeneous domain information models under the smart city context.

This document:

a) outlines the interoperability issues for city domain information models;

b) reviews relevant standards and best practices and examines methodologies or solutions to tackle the interoperability issues;

c) supposes a use case and provides an example to secure interoperability among different domain information models using model registry;

d) specifies technical requirements in concern about how to apply the interoperability elements of the meta model framework to support the interoperability of smart city services;

e) highlights the standardization items to be developed to secure interoperability.

Keel: en
Alusdokumendid: ISO/TR 19174:2025; CEN ISO/TR 19174:2025

CLC/TR 50718:2025

Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock

This document guides users of the EN 45545 series, particularly EN 45545 2:2020+A1:2023, in the application of these standards in designing and assessing Ni-Cd batteries on board trains for their fire protection measures. This document excludes any new requirements, considering only the requirements stated by the above listed standards. However, since the EN 45545 series contain generic requirements and do not specifically refer to Ni-Cd batteries, this document helps the application for those batteries.

Keel: en
Alusdokumendid: CLC/TR 50718:2025
Asendab dokumenti: CLC/TR 50718:2021

CLC/TR 50750:2025

Report on the use of EN 45545-2 and EN 45545-5 for electronic equipment on board rolling stock

This document reports the experience of the users of EN 45545 2 and EN 45545 5, particularly when applying these standards to the design and compliance evaluation of electronic equipment on board of trains for their fire protection measures. This document excludes any new requirements, considering only the requirements stated by the above listed standards. However, since these requirements are generic and not specifically referred to electronic equipment, this document clarifies the application of EN 45445 to the complex case of electronic components and associated assemblies.

Keel: en
Alusdokumendid: CLC/TR 50750:2025

EVS 847-1:2025

Veevärk. Osa 1: Veehaarded
Waterworks - Part 1: Water Intakes

Standard kehtib veevärgi, sh ühisveevärgi veehaaretele ning on ette nähtud kasutamiseks veeallika tüübi ja asukoha valikul, veehaarde põhisõlmede projekteerimisel ja seadmete valikul ning veehaarde projekteerimisel.

Keel: et
Asendab dokumenti: EVS 847-1:2014

EVS-EN 13565-1:2019+A1:2025

Paiksed tulekustutussüsteemid. Vahtsüsteemide komponendid. Osa 1: Nõuded ja katsemeetodid
Fixed firefighting systems - Foam systems - Part 1: Requirements and test methods for components

Selles dokumendis on määratud nõuded materjalidele, ehitusele ja komponentide toimivusele, mis on mõeldud kasutamiseks paiksetes vahtkustutussüsteemides, kasutades vahukontsentraate, mis vastavad standarditele EN 1568-1 kuni EN 1568-4.

Käsitletud komponendid on dosaatorid, pihustid, poolkihialused voolikuseadmed, joatorud, madala/keskmise kordsusega vahugeneraatorid, kõrge kordsusega vahugeneraatorid, vahukambrid, mahutid ja surveanumad. Katsemeetodid on esitatud lisades A kuni K.

Samuti on esitatud nõuded iseloomustavate andmete tagamiseks, mida on vaja komponentide õigeks kasutamiseks.

MÄRKUS 1 Kui ei ole öeldud teisiti, on manomeetrite rõhud väljendatud baarides. Selle dokumendi nõuded ei kata, kui ei ole määratud teisiti, komponentide kasutamist kombinatsioonidena, et moodustada osaline või terviklik tuletõrjesüsteem.

MÄRKUS 2 Ei tohi eeldada, et sellele dokumendile vastavad komponendid üksteisega ühilduvad.

Selle dokumendi käsitlusalas ei sisaldu nõuded pumpadele, mootoritele ega mehaaniliste komponentide (st kaugjuhtimisega monitorid) toimimisele.

Keel: en, et
Alusdokumendid: EN 13565-1:2019+A1:2025
Asendab dokumenti: EVS-EN 13565-1:2019

EVS-EN 15342:2025

Plastics - Recycled plastics - Characterization of polystyrene (PS) recyclates

This document specifies the main characteristics and associated test methods for assessing of polystyrene (PS) recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of PS recyclates to agree on specifications for specific and generic applications.

This document does not cover the characterization of plastics wastes, which is covered by the EN 15347 series, neither traceability topics which are covered by EN 15343.

Keel: en
Alusdokumendid: EN 15342:2025
Asendab dokumenti: EVS-EN 15342:2007

EVS-EN 15345:2025

Plastics - Recycled plastics - Characterization of polypropylene (PP) recyclates

This document specifies the main characteristics and associated test methods for assessing of polypropylene (PP) recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of PP recyclates to agree on specifications for specific and generic applications.

This document does not cover the characterization of plastic wastes, which is covered by the EN 15347 series, neither traceability topics which are covered by EN 15343.

Keel: en
Alusdokumendid: EN 15345:2025
Asendab dokumenti: EVS-EN 15345:2008

EVS-EN 15347-2:2025

Plastics - Sorted plastics wastes - Part 2: Quality grades of sorted Polyethylene (PE) wastes and specific test methods

This document specifies the quality grades for sorted Polyethylene (PE) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. Polyethylene waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-2:2025

EVS-EN 15347-3:2025

Plastics - Sorted plastics wastes - Part 3: Quality grades of sorted Polypropylene (PP) wastes and specific test methods

This document specifies the quality grades for sorted polypropylene (PP) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. Polypropylene waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-3:2025

EVS-EN 15347-4:2025

Plastics - Sorted plastics wastes - Part 4: Quality grades of sorted poly(ethylene terephtalate) (PET) wastes and specific test methods

This document specifies the quality grades for sorted poly(ethylene terephtalate) (PET) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PET waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-4:2025

EVS-EN 15347-5:2025

Plastics - Sorted plastics wastes - Part 5: Quality grades of sorted poly(vinyl chloride) (PVC) wastes and specific test methods

This document specifies the quality grades for sorted poly(vinyl chloride) (PVC) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PVC waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-5:2025

EVS-EN 15347-6:2025

Plastics - Sorted plastics wastes - Part 6: Quality grades of sorted polystyrene (PS) wastes and specific test methods

This document specifies the quality grades for sorted polystyrene (PS) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PS waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-6:2025

EVS-EN 17975:2025

Maintenance - Risk control processes of energies and fluids risks in maintenance activities - Guidance

This document provides users with guidance that help manage risks related to energies & fluids during maintenance activities on items when in use. It is the responsibility of each employer, according to the terms commonly used in the company, to:

- Set out the correlation between the processes described in this document and standard practices,
- Define the roles and responsibilities of the people involved in the energies & fluids lockout process.

This document refers to concepts, definitions, rules, recommendations, and best practices taken from national and international documents (lockout/tagout - "administrative lockout" - Lockout/Tagout (LOTO) - Safe isolation) that cover activities to ensure the safety of workers with respect to energies & fluids.

This document deals with the prevention of energy & fluid (e.g. powders, gases, liquids, etc.) related risks; it is noted that some are covered by specific regulations or standards, such as the electrical risk. Environmental issues related to energies & fluids are not in the scope of this document. Danger associated with energies & fluids can be direct (e.g. contact, absorption, etc.) or indirect by reaction (e.g. mixing, heating, etc.). The scope includes all fluids because they can be intrinsically dangerous or become dangerous.

The recommendations given in this document have been drawn up with a view to ensure the safety and health of workers around hazardous energies & fluids, and situations when they are conducting actions related to maintenance, settings or changing formats, regardless of the type of activity.

The recommendations relate to activities carried out on items. They are applied before, during and after the operation to:

- The energies & fluids supplied, contained, transported, or released by items, products,
- Risks related to the presence of hazardous energies & fluids for the worker and the surrounding personal.

This document is a methodological guideline within the maintenance standards.

NOTE Particular cases such as risks of lack of presence of vital elements for the worker (e.g. breathable air) are in the scope but will not be detailed.

Keel: en
Alusdokumendid: EN 17975:2025

EVS-EN 18067:2025

Plastics - Recycled plastics - Characterization of Acrylonitrile-Butadiene-Styrene (ABS) recyclates

This document specifies the main characteristics and associated test methods for assessing of acrylonitrile-butadiene-styrene (ABS) recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of ABS recyclates (rABS) to agree on specifications for specific and generic applications.

This document does not cover the characterization of plastic wastes, which is covered by the EN 15347 series, neither traceability topics which are covered by EN 15343.

Keel: en
Alusdokumendid: EN 18067:2025

EVS-EN 60204-1:2018/A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded
Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016/AMD1:2021)

Standardi EVS-EN 60204-1:2018 muudatus.

Keel: en, et
Alusdokumendid: IEC 60204-1:2016/AMD1:2021; EN 60204-1:2018/A1:2025
Muudab dokumenti: EVS-EN 60204-1:2018

EVS-EN 60204-1:2018+A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded
Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016, modified + IEC 60204-1:2016/AMD1:2021)

Standardisarja IEC 60204 see osa kehtib töötamise ajal käsitsi mitteteisaldatavate masinate, sealhulgas koordineeritult koos töötavate masinate rühma elektriliste, elektrooniliste ja programmeeritavate elektrooniliste seadmete ja süsteemide rakendamise kohta.

MÄRKUS 1 IEC 60204 see osa on rakendusstandard ja ei ole ette nähtud tehnilise arengu piiramiseks ega takistamiseks.

MÄRKUS 2 IEC 60204 selles osas kasutatakse terminit „elektriline“ nii elektriliste kui ka elektrooniliste ja programmeeritavate elektrooniliste küsimuste kohta (st termin „elektriseadmed“ hõlmab nii elektrilisi, elektroonilisi kui ka programmeeritavaid elektroonilisi seadmeid).

MÄRKUS 3 IEC 60204 selles osas kasutatakse terminit „isik“ kõigi inimeste kohta, sealhulgas isikute kohta, kes on masina kasutaja või tema voliniku (või volinike) poolt määratud ja instrueeritud kõnesolevat masinat kasutama ja hooldama.

IEC 60204 selles osas käsitletavad seadmed algavad masinate elektriseadmete toitepunktist (vt 5.1).

MÄRKUS 4 Nõuded elektrivarustuspaigaldiste kohta on esitatud standardisarjas IEC 60364.

IEC 60204 see osa kehtib elektriseadmete või nende osade kohta, mille nimi-vahelduvpinge ei ole üle 1000 V ega nimi-alalispinge üle 1500 V ja mille nimi-toitesagedus ei ole üle 200 Hz.

MÄRKUS 5 Teavet kõrgematel pingetel toimivate elektriseadmete või nende osade kohta on esitatud standardis IEC 60204-11.

IEC 60204 see osa ei haara kõiki nõudeid (nt järelevalve, blokeerimine või juhtimine), mida vajatakse või nõutakse muude standardite või eeskirjadega, et kaitsta isikuid muude ohtude eest, mis pole seotud elektriohuga. Masina igal liigil on omad nõuded adekvaatse ohutuse tagamiseks.

Standardi IEC 60204 see osa haarab spetsiaalselt terminiga 3.1.40 määratletud masinate elektriseadmeid, kuid pole nendega piiritletud.

MÄRKUS 6 Masinate näited, mille elektriseadmed on haaratud IEC 60204 selle osaga, on esitatud lisas C.

Standardisarja IEC 60204 see osa ei sätesta lisa- ega erinõudeid, mida võib rakendada elektriseadmete kohta masinates, mis näiteks

— on ette nähtud töötamiseks välisoludes (st väljapool hooneid ja muid kaitsvaid ehitisi),

— kasutavad, töötlevad või toodavad potentsiaalselt plahvatusohtlikke materjale (nt värve või saepuru),

— on ette nähtud kasutamiseks potentsiaalselt plahvatusohtlikus ja/või süttivas keskkonnas,

— tekitavad erilist ohtu teatud materjalide tootmisel või kasutamisel,

— on ette nähtud kasutamiseks kaevandustes,

— on õmblusmasinad, nende osad või süsteemid, mida käsitleb standard IEC 60204-31,

— on tõstemasinad, mida käsitleb standard IEC 60204-32,

— on pooljuhtelementide valmistamise seadmed, mida käsitleb standard IEC 60204-33.

IEC 60204 sellest osast on välja jäetud jõuahelad, milles elektrienergiat kasutatakse tööriistades otseselt.

Keel: en, et
Alusdokumendid: EN 60204-1:2018; EN 60204-1:2018/A1:2025; IEC 60204-1:2016; IEC 60204-1:2016/AMD1:2021
Konsolideerib dokumenti: EVS-EN 60204-1:2018
Konsolideerib dokumenti: EVS-EN 60204-1:2018/A1:2025

EVS-EN ISO 12609-1:2025

Inimeste ja loomade näo ja silmade kaitse kosmeetikas ja meditsiinis kasutatavate tugevate valgusallikate eest. Osa 1: Toodete spetsifikatsioon

Eye and face protection against intense light sources used on humans and animals for cosmetic and medical applications - Part 1: Specification for products (ISO 12609-1:2021)

This document specifies general requirements for operators' eye protectors for intense light source (ILS) equipment used on humans and animals for cosmetic and medical applications against excessive exposure to optical radiation in the spectral range 250 nm to 3 000 nm, with the exception of laser radiation.

This document is applicable to devices intended for patient protection during ILS procedures, except for treatment in the periorbital area. For guidance on patient eye protection during ILS procedures, see ISO/TR 22463.

For guidance on the use and selection of ILS eye protectors, see ISO 12609-2.

This document does not apply to:

— laser protectors, for which ISO 19818-1 applies;

— protectors for medically prescribed applications (not occupational), e.g. eye protection for severe dry eye, tints prescribed for medical conditions;

— protectors specifically intended for protection against only solar radiation and used in non-occupational environments for which the ISO 12312 (all parts) applies;

— protectors used with tanning equipment;

— protectors intended to protect against ionizing radiation, e.g. X-rays, for which IEC 61331-3 applies.

Keel: en
Alusdokumendid: ISO 12609-1:2021; EN ISO 12609-1:2025

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 60060-2:2025

High-voltage test techniques - Part 2: Measuring systems

IEC 60060-2:2025 is applicable to complete measuring systems and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage and lightning and switching impulse voltages and combined and composite voltages as specified in IEC 60060-1. For measurements during on-site tests, see IEC 60060-3.

The limits on uncertainties of measurements stated in this document apply to test levels stated in IEC 60071-1. The principles of this document apply also to higher levels but the uncertainty can be greater.

This document:

• defines the terms used;

• describes methods to estimate the uncertainties of high-voltage measurements;

• states the requirements that apply to measuring systems;

• describes the methods for approving a measuring system and checking its components;

• describes the procedures by which the user demonstrates that a measuring system meets the requirements of this document, including the limits set for the uncertainty of measurement.

This fourth edition cancels and replaces the third edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) The general layout and text has been updated and improved to make the standard easier to use.

b) This document has been revised to align it with the fourth edition of IEC 60060-1.

c) The treatment of measurement uncertainty estimation has been expanded.

d) This document is now applicable to measuring systems used in testing at all standard insulation levels specified in IEC 60071-1.

e) The measurement uncertainty requirement for the front time of the standard lighting impulse voltage has been changed from 10 % to 15 %, for testing at all standard insulation levels specified in IEC 60071-1.

f) The parameter "time-to-peak" of the switching impulse defined in the third edition of IEC 60060-1:2010 has been replaced by "front time" in the fourth edition of IEC 60060-1. Necessary changes have been made in this document to accommodate this change in IEC 60060-1.

g) Clause 10, Measurement of combined voltages and Clause 11, Measurement of composite voltages have been added.

h) Clause B.1 has been significantly revised to align more closely with the provisions of Clause 5, including using the same nomenclature.

Keel: en
Alusdokumendid: IEC 60060-2:2025; EN IEC 60060-2:2025
Asendab dokumenti: EVS-EN 60060-2:2011

EVS-EN IEC 61869-20:2025

Instrument transformers - Part 20: Safety requirements of instrument transformers for high voltage applications

IEC 61869-20:2025 This part of IEC 61869 specifies the requirements for the safe design and operation, and tests for the safety of instrument transformers whose highest voltage for equipment is higher than 1 kV AC or 1,5 kV DC.

Low power instrument transformers are not covered by this document.

Keel: en
Alusdokumendid: IEC 61869-20:2025; EN IEC 61869-20:2025

19 KATSETAMINE

EVS-EN IEC 60060-2:2025

High-voltage test techniques - Part 2: Measuring systems

IEC 60060-2:2025 is applicable to complete measuring systems and to their components, used for the measurement of high voltages during laboratory and factory tests with direct voltage, alternating voltage and lightning and switching impulse voltages and combined and composite voltages as specified in IEC 60060-1. For measurements during on-site tests, see IEC 60060-3.

The limits on uncertainties of measurements stated in this document apply to test levels stated in IEC 60071-1. The principles of this document apply also to higher levels but the uncertainty can be greater.

This document:

• defines the terms used;

• describes methods to estimate the uncertainties of high-voltage measurements;

• states the requirements that apply to measuring systems;

• describes the methods for approving a measuring system and checking its components;

• describes the procedures by which the user demonstrates that a measuring system meets the requirements of this document, including the limits set for the uncertainty of measurement.

This fourth edition cancels and replaces the third edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) The general layout and text has been updated and improved to make the standard easier to use.

b) This document has been revised to align it with the fourth edition of IEC 60060-1.

c) The treatment of measurement uncertainty estimation has been expanded.

d) This document is now applicable to measuring systems used in testing at all standard insulation levels specified in IEC 60071-1.

e) The measurement uncertainty requirement for the front time of the standard lighting impulse voltage has been changed from 10 % to 15 %, for testing at all standard insulation levels specified in IEC 60071-1.

f) The parameter "time-to-peak" of the switching impulse defined in the third edition of IEC 60060-1:2010 has been replaced by "front time" in the fourth edition of IEC 60060-1. Necessary changes have been made in this document to accommodate this change in IEC 60060-1.

g) Clause 10, Measurement of combined voltages and Clause 11, Measurement of composite voltages have been added.

h) Clause B.1 has been significantly revised to align more closely with the provisions of Clause 5, including using the same nomenclature.

Keel: en
Alusdokumendid: IEC 60060-2:2025; EN IEC 60060-2:2025
Asendab dokumenti: EVS-EN 60060-2:2011

EVS-EN ISO 16831:2025

Non-destructive testing - Ultrasonic testing - Characterization and verification of ultrasonic equipment for the determination of thickness (ISO 16831:2025)

This document specifies test methods and acceptance criteria, within the frequency range of 0,5 MHz to 15 MHz, for assessing the performance of equipment dedicated for determining thickness using pulse-echo ultrasound, e.g. according to ISO 16809.

This document only specifies the verifications required for the determination of thickness.

This document is applicable to instruments with numerical display and instruments with A-scan presentation, each using either single- or dual-transducer probes.

The tests described in this document can be used for verifying equipment covered by ISO 22232-1 and ISO 22232-2 when used for thickness determination.

Keel: en
Alusdokumendid: ISO 16831:2025; EN ISO 16831:2025
Asendab dokumenti: EVS-EN 15317:2013

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 15493:2004/A11:2025

Plasttorustikusüsteemid tööndustikele rakendustele. Akrüloonnitriil-butadieenstüreen (ABS), plastifitseerimata polü(vinüül)kloriid (PVC-U) ja klooritud polü(vinüül)kloriid (PVC-C). Komponentide ja süsteemi spetsifikatsioonid. Meetermõõdustikuga seeriad
Plastics piping systems for industrial applications - Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) - Specifications for components and the system - Metric series

The existing Annex ZB is still incorrectly referring to the old 97/23/EC Directive. Reference should be made to Directive 2014/68/EU for pressure equipment. To be done via this WI.

Keel: en
Alusdokumendid: EN ISO 15493:2003/A11:2025
Muudab dokumenti: EVS-EN ISO 15493:2004

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 63270-1:2025

Predictive maintenance of industrial automation equipment and systems - Part 1: General requirements

IEC 63270-1:2025 provides guidance on the functional structure model, procedure, method, interface of function blocks. It also offers guidance on data requirements for predictive maintenance of equipment, devices and systems for industrial automation applications.
Condition monitoring is not only within the scope of this document but can also be an important input for predictive maintenance.

Keel: en
Alusdokumendid: IEC 63270-1:2025; EN IEC 63270-1:2025

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 61400-12-1:2022/AC:2025

Wind energy generation systems - Part 12-1: Power performance measurements of electricity producing wind turbines

Corrigendum to EN IEC 61400-12-1:2022

Keel: en
Alusdokumendid: EN IEC 61400-12-1:2022/AC:2025-06; IEC 61400-12-1:2022/COR1:2025
Parandab dokumenti: EVS-EN IEC 61400-12-1:2022

EVS-EN IEC 61400-4:2025

Wind energy generation systems - Part 4: Design requirements for wind turbine gearboxes

IEC 61400-4:2025 is applicable to enclosed speed increasing gearboxes for horizontal axis wind turbine drivetrains with a power rating in excess of 500 kW. This document applies to newly designed gearboxes for wind turbines installed onshore or offshore.

The technical requirements given in this document are not intended for repaired or refurbished gearboxes, or for the extension of the service life beyond the design life. This document provides requirements and guidance on the analysis of the wind turbine loads in relation to the design of the gear and gearbox elements. The gearing elements covered by this document include such gears as spur, helical or double helical and their combinations in parallel and epicyclic arrangements in the main power path.

This document does not apply to power take off (PTO) gears.

This document includes requirements, design recommendations, and rating of gearboxes with rolling bearings, plain bearings, or combinations of both bearing types. This document is supported by two Technical Reports: IEC TR 61400-4-2 provides additional information on lubrication of wind turbine drivetrains and IEC TR 61400-4-3 contains explanatory notes and supportive information to the requirements specified in this document.

It is published as a double logo standard.

This second edition cancels and replaces the first edition published in 2012. This edition includes the following significant technical changes with respect to the previous edition:

- extension of the scope to wind turbines above 2 MW reference power;
- considerations for converging differing approaches to reliability in gear, bearing and wind turbine standards;
- new clause on wind turbine loads specific to drivetrains;
- revised clause on verification and validation;
- new clause on design requirements for plain bearings;
- revised and expanded design considerations for rolling bearings;
- revised clause on considerations and requirements in the design and analysis of gearbox structural elements;
- updated considerations and requirements on lubricants and lubrication systems;

- removal of requirements for documenting the compliance of a design with the requirements of the document in favour of reference to IECRE OD-501-2.

Keel: en
Alusdokumendid: IEC 61400-4:2025; EN IEC 61400-4:2025
Asendab dokumenti: EVS-EN 61400-4:2013

EVS-EN IEC 62282-6-401:2025

Fuel cell technologies - Part 6-401: Micro fuel cell power systems - Power and data interchangeability - Performance test methods for laptop computer

IEC 62282-6-401:2025 covers the requirements for the performance test methods of a micro fuel cell/battery power system, consisting of a fuel cell system with secondary battery for laptop computers.

For this purpose, this document covers electrical performance tests for the fuel cell/battery hybrid system. This document also covers performance test methods which focus on the power and data interchangeability of the micro fuel cell power system and laptop computer and other characteristics for balance of plant (BOP) installed for laptop computer applications with a fuel cell/battery hybrid system. This document applies to gaseous hydrogen-fuelled fuel cell power, liquid hydrogen-fuelled fuel cell power, direct methanol fuel cell power, and battery hybrid power pack systems. The following fuels are considered within the scope of this document:

- gaseous hydrogen;

- liquid hydrogen compounds;

- methanol.

Keel: en
Alusdokumendid: IEC 62282-6-401:2025; EN IEC 62282-6-401:2025

29 ELEKTROTEHNIKA

EVS-EN 60204-1:2018/A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded
Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016/AMD1:2021)

Standardi EVS-EN 60204-1:2018 muudatus.

Keel: en, et
Alusdokumendid: IEC 60204-1:2016/AMD1:2021; EN 60204-1:2018/A1:2025
Muudab dokumenti: EVS-EN 60204-1:2018

EVS-EN 60204-1:2018+A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded
Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016, modified + IEC 60204-1:2016/AMD1:2021)

Standardisarja IEC 60204 see osa kehtib töötamise ajal käsitsi mitteteisaldatavate masinate, sealhulgas koordineeritult koos töötavate masinate rühma elektriliste, elektrooniliste ja programmeeritavate elektrooniliste seadmete ja süsteemide rakendamise kohta.

MÄRKUS 1 IEC 60204 see osa on rakendusstandard ja ei ole ette nähtud tehnilise arengu piiramiseks ega takistamiseks.

MÄRKUS 2 IEC 60204 selles osas kasutatakse terminit „elektriline“ nii elektriliste kui ka elektrooniliste ja programmeeritavate elektrooniliste küsimuste kohta (st termin „elektriseadmed“ hõlmab nii elektrilisi, elektroonilisi kui ka programmeeritavaid elektroonilisi seadmeid).

MÄRKUS 3 IEC 60204 selles osas kasutatakse terminit „isik“ kõigi inimeste kohta, sealhulgas isikute kohta, kes on masina kasutaja või tema voliniku (või volinike) poolt määratud ja instrueeritud kõnesolevat masinat kasutama ja hooldama.

IEC 60204 selles osas käsitletavad seadmed algavad masinate elektriseadmete toitepunktist (vt 5.1).

MÄRKUS 4 Nõuded elektrivarustuspaigaldiste kohta on esitatud standardisarjas IEC 60364.

IEC 60204 see osa kehtib elektriseadmete või nende osade kohta, mille nimi-vahelduvpinge ei ole üle 1000 V ega nimi-alalispinge üle 1500 V ja mille nimi-toitesagedus ei ole üle 200 Hz.

MÄRKUS 5 Teavet kõrgematel pingetel toimivate elektriseadmete või nende osade kohta on esitatud standardis IEC 60204-11. IEC 60204 see osa ei haara kõiki nõudeid (nt järelevalve, blokeerimine või juhtimine), mida vajatakse või nõutakse muude standardite või eeskirjadega, et kaitsta isikuid muude ohtude eest, mis pole seotud elektriohuga. Masina igal liigil on omad nõuded adekvaatse ohutuse tagamiseks.

Standardi IEC 60204 see osa haarab spetsiaalselt terminiga 3.1.40 määratletud masinate elektriseadmeid, kuid pole nendega piiritletud.

MÄRKUS 6 Masinate näited, mille elektriseadmed on haaratud IEC 60204 selle osaga, on esitatud lisas C.

Standardisarja IEC 60204 see osa ei sätesta lisa- ega erinõudeid, mida võib rakendada elektriseadmete kohta masinates, mis näiteks

— on ette nähtud töötamiseks välisoludes (st väljapool hooneid ja muid kaitsvaid ehitisi),

— kasutavad, töötlevad või toodavad potentsiaalselt plahvatusohtlikke materjale (nt värve või saepuru),

— on ette nähtud kasutamiseks potentsiaalselt plahvatusohtlikus ja/või süttivas keskkonnas,

— tekitavad erilist ohtu teatud materjalide tootmisel või kasutamisel,

— on ette nähtud kasutamiseks kaevandustes,

— on õmblusmasinad, nende osad või süsteemid, mida käsitleb standard IEC 60204-31,

— on tõstemasinad, mida käsitleb standard IEC 60204-32,

— on pooljuhtelementide valmistamise seadmed, mida käsitleb standard IEC 60204-33.

IEC 60204 sellest osast on välja jäetud jõuahelad, milles elektrienergiat kasutatakse tööriistades otseselt.

Keel: en, et
Alusdokumendid: EN 60204-1:2018; EN 60204-1:2018/A1:2025; IEC 60204-1:2016; IEC 60204-1:2016/AMD1:2021
Konsolideerib dokumenti: EVS-EN 60204-1:2018
Konsolideerib dokumenti: EVS-EN 60204-1:2018/A1:2025

EVS-EN IEC 60730-2-14:2025

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Eriomased nõuded elektrilistele täiturseadmetele

Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

IEC 60730-2-14: 2025 applies to automatic electric actuators

• for use in, on, or in association with equipment for household appliance and similar use;

NOTE 1 Throughout this document, the word "equipment" means "appliance and equipment" and "control" means "electric actuator".

EXAMPLE 1 Electric actuators for appliances within the scope of IEC 60335.

• for building automation within the scope of ISO 16484 series and IEC 63044 series (HBES/BACS);

EXAMPLE 2 Independently mounted electric actuators for use in smart grid systems and for building automation systems within the scope of ISO 16484-2.

• for equipment that is used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications;

EXAMPLE 3 Electric actuators for commercial catering, heating, and air-conditioning equipment.

• that are smart enabled;

• that are AC or DC powered electric actuators with a rated voltage not exceeding 690 V AC or 600 V DC;

• used in, on, or in association with equipment that use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof;

• utilized as part of a control system or controls which are mechanically integral with multifunctional controls having non-electrical outputs;

• using NTC or PTC thermistors and to discrete thermistors, requirements for which are contained in Annex J;

• that are mechanically or electrically operated, responsive to or controlling such characteristics as temperature, pressure, passage of time, humidity, light, electrostatic effects, flow, or liquid level, current, voltage, acceleration, or combinations thereof; as well as manual controls when such are electrically and/or mechanically integral with automatic controls.

NOTE 2 Requirements for manually actuated mechanical switches not forming part of an automatic control are contained in IEC 61058-1-1.

This document applies to

– the inherent safety of automatic electric actuators, and

– functional safety of automatic electric actuators and safety related systems,

– controls where the performance (for example the effect of EMC phenomena) of the product can impair the overall safety and performance of the controlled system,

– the operating values, operating times, and operating sequences where such are associated with equipment safety.

This document specifies the requirements for construction, operation and testing of automatic electric actuators used in, on, or in association with an equipment.

This document does not

• apply to automatic electric actuators intended exclusively for industrial process applications unless explicitly mentioned in the relevant part 2 or the equipment standard. However, this document can be applied to evaluate automatic electric actuators intended specifically for industrial applications in cases where no relevant safety standard exists;

• take into account the response value of an automatic action of an electric actuator, if such a response value is dependent upon the method of mounting the electric actuator in the equipment. Where a response value is of significant purpose for the protection of the user, or surroundings, the value defined in the appropriate equipment standard or as determined by the manufacturer will apply;

• address the integrity of the output signal to the network devices, such as interoperability with other devices unless it has been evaluated as part of the control system;

• apply to electric actuators which are mechanically integrated with valves covered by a separate part 2 (e.g. IEC 60730-2-8);

• apply to electric motors, requirements for which are contained in IEC 60034.

Keel: en
Alusdokumendid: IEC 60730-2-14:2025; EN IEC 60730-2-14:2025
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019/A1:2022
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019/A2:2021
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019+A2+A1:2022

EVS-EN IEC 63380-1:2025

Standard interface for connecting charging stations to local energy management systems - Part 1: General requirements, use cases and abstract messages

IEC 63380-1:2025 defines the secure information exchange between local energy management systems and electric vehicle charging stations. The local energy management systems communicate to the charging station controllers via the resource manager.
This document specifies use cases, the sequences of information exchange and generic data models.

Keel: en
Alusdokumendid: IEC 63380-1:2025; EN IEC 63380-1:2025

EVS-EN IEC 63522-16:2025

Electrical relays - Tests and measurements - Part 16: Soldering

IEC 63522-16:2025 This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a standard test method for resistance to soldering heat and solderability for standard soldering processes.

Keel: en
Alusdokumendid: IEC 63522-16:2025; EN IEC 63522-16:2025

EVS-EN IEC 63522-20:2025

Electrical relays - Tests and measurements - Part 20: Mechanical endurance

IEC 63522-20:2025 This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a standard test method for mechanical endurance.

Keel: en
Alusdokumendid: IEC 63522-20:2025; EN IEC 63522-20:2025

EVS-EN IEC 63522-22:2025

Electrical relays - Tests and measurements - Part 22: Limiting continuous current

IEC 63522-22:2025 This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a standard test method for evaluation of the limiting continuous current under specified conditions.

Keel: en
Alusdokumendid: IEC 63522-22:2025; EN IEC 63522-22:2025

EVS-EN IEC 63522-24:2025

Electrical relays - Tests and measurements - Part 24: Load transfer

IEC 63522-24:2025 This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a test to check that a multipole relay is capable of transferring one source to another.

Keel: en
Alusdokumendid: IEC 63522-24:2025; EN IEC 63522-24:2025

EVS-EN IEC 63522-27:2025

Electrical relays - Testing and measurement - Part 27: Electrical contact noise

IEC 63522-27:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method for electrical contact noise.

Keel: en
Alusdokumendid: IEC 63522-27:2025; EN IEC 63522-27:2025

EVS-EN IEC 63522-28:2025

Electrical relays - Tests and measurement - Part 28: Thermoelectric electromotive force (e.m.f.)

IEC 63522-28:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method for thermoelectric electromotive force (e.m.f.).

Keel: en
Alusdokumendid: IEC 63522-28:2025; EN IEC 63522-28:2025

EVS-EN IEC 63522-32:2025

Electrical relays - Tests and measurements - Part 32: Acoustic noise

IEC 63522-32:2025 This document is used for testing under appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method to investigate the effect of acoustic noise in conjunction with the operating, releasing and cycling noise of a relay and the immunity of a relay to acoustic noise.

Keel: en
Alusdokumendid: IEC 63522-32:2025; EN IEC 63522-32:2025

EVS-EN IEC 63522-37:2025

Electrical relays - Tests and Measurements - Part 37: Terminal temperature rise at rated load

IEC 63522-37:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. The object of this document is to define a standard test method to measure terminal temperature rise at rated load, included solder terminals, flat quick-connect terminations, screw and screwless type terminals, alternative termination types and sockets.

Keel: en
Alusdokumendid: IEC 63522-37:2025; EN IEC 63522-37:2025

EVS-EN IEC 63522-38:2025

Electrical relays - Testing and measurement - Part 38: Mechanical interlock

IEC 63522-38:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method for mechanical interlock.

Keel: en
Alusdokumendid: IEC 63522-38:2025; EN IEC 63522-38:2025

EVS-EN IEC 63522-40:2025

Electrical relays - Tests and measurements - Part 40: Short circuit testing

IEC 63522-40:2025 This document is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method for short circuit testing.

Keel: en
Alusdokumendid: IEC 63522-40:2025; EN IEC 63522-40:2025

EVS-EN IEC 63522-44:2025

Electrical relays - Tests and measurements - Part 44: Corrosive atmosphere due to salt mist

IEC 63522-44:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. The object of this test is to define a standard test method for salt mist.

Keel: en
Alusdokumendid: IEC 63522-44:2025; EN IEC 63522-44:2025

EVS-EN IEC 63522-49:2025

Electrical relays - Tests and measurements - Part 49: Long term stability of sealing

IEC 63522-49:2025 This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use. This document defines a standard test method for long term stability of sealing.

Keel: en
Alusdokumendid: IEC 63522-49:2025; EN IEC 63522-49:2025

EVS-EN IEC 63522-56:2025

Electrical relays - Tests and measurements - Part 56: Ball pressure test

IEC 63522-56:2025 This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of specimens to perform under expected conditions of transportation, storage and all aspects of operational use.

The object of this test is to define a standard test method for evaluation of appropriate materials to withstand mechanical pressure at elevated temperatures without undue deformation.

Keel: en
Alusdokumendid: IEC 63522-56:2025; EN IEC 63522-56:2025

EVS-EN IEC 63522-7:2025
Electrical relays - Tests and Measurements - Part 7: Functional Tests

IEC 63522-7:2025 is used for testing electromechanical elementary relays (electromechanical relays, reed relays, reed contacts, reed switches and technology combination of these) and evaluates their ability to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a standard test method to evaluate the switching function of the device under test (DUT) at specified energization values throughout the defined temperature range.

Keel: en
Alusdokumendid: IEC 63522-7:2025; EN IEC 63522-7:2025

EVS-EN IEC 63522-9:2025
Electrical relays - Tests and measurements - Part 9: Climatic tests

IEC 63522-9:2025 This document used for testing all kinds of relays and evaluates their ability to perform under expected conditions of transportation, storage and all aspects of operational use. It defines standard test methods to determine the ability of the relay to withstand certain climatic test conditions, a sequence of such climatic test conditions or climatic storage conditions.

Keel: en
Alusdokumendid: IEC 63522-9:2025; EN IEC 63522-9:2025

31 ELEKTROONIKA

EVS-EN IEC 60512-99-002:2022/A1:2025
Connectors for electrical and electronic equipment - Tests and measurements - Part 99-002: Endurance test schedules - Test 99b: Test schedule for unmating under electrical load

Amendment to EN IEC 60512-99-002:2022

Keel: en
Alusdokumendid: IEC 60512-99-002:2022/AMD1:2025; EN IEC 60512-99-002:2022/A1:2025
Muudab dokumenti: EVS-EN IEC 60512-99-002:2022

EVS-EN IEC 63171:2025
Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - General requirements and tests

IEC 63171:2025 is the general requirements and general tests part (general specification) of the whole IEC 63171 series, a set of International Standards covering shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current carrying capacity. It provides the signal integrity requirements, common to the whole series.

Keel: en
Alusdokumendid: IEC 63171:2025; EN IEC 63171:2025
Asendab dokumenti: EVS-EN IEC 63171:2021

33 SIDETEHNIKA

EVS-EN 301 192 V1.8.1:2025
Digital Video Broadcasting (DVB);
DVB specification for data broadcasting

The present document specifies transport and encapsulation protocols, and signalling for carrying general purpose data over DVB Transport Streams. The present document is designed to be used in conjunction with ETSI EN 300 468. Data broadcasting is an important extension of the MPEG-2 based DVB transmission standards. Examples are the download of software over satellite, cable or terrestrial links, the delivery of Internet services over broadcast channels (IP tunnelling), interactive TV, etc.

Keel: en
Alusdokumendid: ETSI EN 301 192 V1.8.1

EVS-EN 301 575 V1.2.1:2025
Environmental Engineering (EE);
Measurement method for energy consumption of Customer Premises Equipment (CPE)

The present document defines the methodology and the tests conditions to measure the power consumption of CPE power source within the scope of Commission Regulation 2023/826:

Moreover, these different modes of operation are defined.

• Disconnect mode.

• Off mode (as defined in Commission Regulation 2023/826).

• Idle states.

• Low Power states.

• On mode.

• Ready mode.

The methods of measurement are applicable to customer premises equipment which can be directly connected to the mains.

Equipment drawing electricity via the network connection (indirectly connected to the mains) or via local Personal Computer (i.e. via USB) is out of scope:

• Networked standby mode and stand by mode defined in Commission Regulation (EU) 2023/826 is out of the scope of the present document and it is covered by ETSI EN 303 423.

Keel: en
Alusdokumendid: ETSI EN 301 575 V1.2.1

EVS-EN 303 215 V1.5.1:2025

Environmental Engineering (EE); Measurement methods and limits for power consumption in broadband telecommunication networks equipment

The present document defines the power consumption metrics, the methodology and the test conditions to measure the power consumption of broadband fixed telecommunication networks equipment. The present document does not cover all possible configuration of equipment but only homogenous configurations.

The types of broadband access technologies covered by the present document are the ones widely deployed at the date of publication. Currently, the present document considers DSLAM DSL, MSAN, PON OLT and Point to Point OLT equipment.

Other access technologies may be included in further versions of the present document.

The present document also considers measurement methodology for VDSL2 equipment with vectoring functionality.

In addition to the full power state, power-saving states as defined in DSL standards ITU-T G.992.3 (2009) and ITU-T G.992.5 (2010) are also covered.

The present document focuses on Network Equipment. The end-user equipment is handled in other documents, see ETSI EN 301 575 for CPE and ETSI EN 303 423 for network standby.

Keel: en
Alusdokumendid: ETSI EN 303 215 V1.5.1

EVS-EN 303 800-2 V1.1.1:2025

Environmental Engineering (EE); Assessment of material efficiency of ICT network infrastructure goods (circular economy); Part 2: Server and data storage product secure data deletion functionality

The present document specifies a method for the verification of compliance with the requirements on the secure data deletion functionality for:

1) servers; and

2) data storage equipment.

The present document covers demonstration of compliance with the data deletion requirements:

• instructions on how to use the functionality;

• the techniques used; and

• the supported secure data deletion standard(s), if applicable.

The following products are out of scope of the present document:

• servers intended for embedded applications;

• servers classified as small scale servers in terms of Regulation (EU) No 617/2013;

• servers with more than four processor sockets;

• server appliances;

• large servers;

• fully fault tolerant servers;

• network servers;

• small data storage products;

• large data storage products;

• servers or data storage products which in addition are used in means of transport for persons or goods;

NOTE: See Directive 2009/125/EC.

• data storage devices that are not included in the product placed on the market by the Manufacturer, their authorized representatives or importer, and are not included in modifications or updates provided or specified by the manufacturer, their authorized representatives or importer.

Keel: en
Alusdokumendid: ETSI EN 303 800-2 V1.1.1

EVS-EN 303 804 V1.1.1:2025

Environmental Engineering (EE); Energy efficiency metrics and measurement methods for data storage equipment

The present document is based upon Energy Efficiency Benchmark for Data storage products.

The present document specifies:

1) an active state metric, test conditions and product family configuration for the assessment of energy efficiency of DSE using reliable, accurate and reproducible measurement methods;

2) an idle state metric and the calculation of the idle state power;

3) a measurement method of the active state power;

4) a measurement method of the idle state power;

5) the measurement and calculation of the maximum power;

6) the measurement and calculation of the operating condition class, the ASHRAE validation, using reliable, accurate and reproducible measurement methods, which take into account the recognized state of the art;

7) requirements for equipment to perform the measurements and analysis;

8) documentation and reporting requirements;

9) evaluation methodology for energy saving level from the perspective of supported energy saving features.

The present document addresses DSE.

The present document is applicable at the energy efficiency of:

• online storage;

• nearline storage.

The present document defines metric for the assessment of energy efficiency of DSE and related testing methodology considering data storage equipment HW and system.

Keel: en
Alusdokumendid: ETSI EN 303 804 V1.1.1

EVS-EN 319 411-2 V2.6.1:2025

Electronic Signatures and Trust Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 2: Requirements for trust service providers issuing EU qualified certificates

The present document specifies policy and security requirements for the issuance, maintenance and life-cycle management of EU qualified certificates as defined in Regulation (EU) No 910/2014. These policy and security requirements support reference certificate policies for the issuance, maintenance and life-cycle management of EU qualified certificates issued to natural persons (including natural persons associated with a legal person or a website) and to legal persons (including legal persons associated with a website), respectively.

The present document does not specify how the requirements identified can be assessed by an independent party, including requirements for information to be made available to such independent assessors, or requirements on such assessors.

NOTE: See ETSI EN 319 403 for guidance on assessment of TSP's processes and services. The present document references ETSI EN 319 411-1 for general requirements on TSP issuing certificates.

Keel: en
Alusdokumendid: ETSI EN 319 411-2 V2.6.1

EVS-EN IEC 60794-1-208:2025

Optical fibre cables - Part 1-208: Generic specification - Basic optical cable test procedures - Environmental test methods - Pneumatic resistance, method F8

IEC 60794-208:2025 describes test procedures to be used in establishing uniform requirements for optical fibre cables for the pneumatic resistance environmental property, for unfilled cables which are protected by gas pressurization. This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. NOTE Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

This first edition of IEC 60794-1-208 cancels and replaces method F8 of the second edition of IEC 60794-1-22 published in 2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

a) the form of the formula for pneumatic resistance is modified for ease of calculation with test pressures other than 62 kPa;
b) details to be reported are added.

Keel: en

Alusdokumendid: IEC 60794-1-208:2025; EN IEC 60794-1-208:2025
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-22:2018

EVS-EN IEC 60794-1-216:2025

Optical fibre cables - Part 1-216: Generic specification - Basic optical cable test procedures - Environmental test methods - Compound flow (drip), method F16

IEC 60794-1-216:2025 defines test procedures to ensure the filling and flooding compounds will not flow from a filled or flooded fibre optic cable, at stated temperatures. NOTE The environmental testing of optical cable would be valuable for some applications. Useful information about suitable test methods can be found in the optical fibre standards IEC 60794-1-2. This document partially cancels and replaces the second edition of IEC 60794-1-22:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 60794-1-22:2017: a) Addition of new Clause 10.

Keel: en
Alusdokumendid: IEC 60794-1-216:2025; EN IEC 60794-1-216:2025
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-22:2018

EVS-EN IEC 61753-061-2:2020/AC:2025

Fibre optic interconnecting devices and passive components - Performance standard - Part 061-2: Single-mode fibre optic pigtailed style polarization independent isolators for category c - Controlled environments

Corrigendum to EN IEC 61753-061-2:2020

Keel: en
Alusdokumendid: EN IEC 61753-061-2:2020/AC:2025-06; IEC 61753-061-2:2020/COR1:2025
Parandab dokumenti: EVS-EN IEC 61753-061-2:2020

35 INFOTEHNOLOOGIA

CEN ISO/TR 19174:2025

Geographic information - Securing interoperability among heterogeneous city domain information models (ISO/TR 19174:2025)

This document analyses a feasible way to accommodate interoperability elements for the data component of a spatial data infrastructure (SDI) and extend the meta model framework for interoperability (MFI) in securing interoperability among heterogeneous domain information models under the smart city context.

This document:

a) outlines the interoperability issues for city domain information models;

b) reviews relevant standards and best practices and examines methodologies or solutions to tackle the interoperability issues;

c) supposes a use case and provides an example to secure interoperability among different domain information models using model registry;

d) specifies technical requirements in concern about how to apply the interoperability elements of the meta model framework to support the interoperability of smart city services;

e) highlights the standardization items to be developed to secure interoperability.

Keel: en
Alusdokumendid: ISO/TR 19174:2025; CEN ISO/TR 19174:2025

CWA 16926-1:2025

Extensions for Financial Services (XFS) interface specification Release 3.51 - Part 1: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference

A key element of the Extensions for Financial Services is the definition of a set of APIs, a corresponding set of SPIs, and supporting services, providing access to financial services for Windows-based applications. The definition of the functionality of the services, of the architecture, and of the API and SPI sets, is outlined in this section, and described in detail in Sections 5 through 10.

The specification defines a standard set of interfaces such that, for example, an application that uses the API set to communicate with a particular Service Provider can work with a Service Provider of another conformant vendor, without any changes.

Although the Extensions for Financial Services define a general architecture for access to Service Providers from Windows-based applications, the initial focus of the CEN/XFS Workshop has been on providing access to peripheral devices that are unique to financial institutions. Since these devices are often complex, difficult to manage and proprietary, the development of a standardized interface to them from Windows-based applications and Windows operating systems can offer financial institutions and their solution providers immediate enhancements to productivity and flexibility.

Keel: en
Alusdokumendid: CWA 16926-1:2025

Asendab dokumenti: CWA 16926-1:2022

CWA 16926-15:2025

Extensions for Financial Services (XFS) interface specification Release 3.51 - Part 15: Cash-In Module Device Class Interface - Programmer's Reference

This specification describes the functionality of an XFS compliant Cash-In Module (CIM) Service Provider. It defines the service-specific commands that can be issued to the Service Provider using the WFSGetInfo, WFSAsyncGetInfo, WFSExecute and WFSAsyncExecute functions.

Persistent values are maintained through power failures, open sessions, close session and system resets. This specification covers the acceptance of items. An “item” is defined as any media that can be accepted and includes coupons, documents, bills and coins. However, if coins and bills are both to be accepted separate Service Providers must be implemented for each.

All currency parameters in this specification are expressed as a quantity of minimum dispense units, as defined in the description of the WFS_INF_CIM_CURRENCY_EXP command.

There are two types of CIM: Self-Service CIM and Teller CIM. A Self-Service CIM operates in an automated environment, while a Teller CIM has an operator present. The functionality provided by the following commands is only applicable to a Teller CIM:
WFS_CMD_CIM_SET_TELLER_INFO
WFS_INF_CIM_SET_TELLER_INFO

It is possible for the CIM to be part of a compound device with the Cash Dispenser Module (CDM). This CIM\CDM combination is referred to throughout this specification as a “cash recycler”. For details of the CDM interface see [Ref. 3].

If the device is a cash recycler then, if cash unit exchanges are required on both interfaces, the exchanges cannot be performed concurrently. An exchange on one interface must be complete (the WFS_CMD_CIM_END_EXCHANGE must have completed) before an exchange can start on the other interface. The WFS_ERR_CIM_EXCHANGEACTIVE error code will be returned if the correct sequence is not adhered to.

The CIM interface can be used for all exchange operations on cash recycle devices, and this interface should be used for cash units of multiple currencies and/or denominations (including multiple note identifiers associated with the same denomination). The event WFS_SRVE_CIM_COUNTS_CHANGED will be posted if an operation on the CDM interface affects the recycle cash unit counts which are available through the CIM interface.

Keel: en
Alusdokumendid: CWA 16926-15:2025
Asendab dokumenti: CWA 16926-15:2022

CWA 16926-61:2025

Extensions for Financial Services (XFS) interface specification Release 3.51 - Part 61: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference Migration from Version 3.40 (CWA 16926:2000) to Version 3.51 (this CWA)

This specification shows the modifications made to version 3.40 of CWA 16926-1 in version 3.51.

Keel: en
Alusdokumendid: CWA 16926-61:2025
Asendab dokumenti: CWA 16926-61:2023

CWA 16926-74:2025

Extensions for Financial Services (XFS) interface specification Release 3.51 - Part 74: Cash-In Module Device Class Interface Programmer's Reference - Migration from Version 3.40 (CWA 16926:2000) to Version 3.51 (this CWA)

This specification shows the modifications made to version 3.40 of CWA 16926-15 in version 3.51.

Keel: en
Alusdokumendid: CWA 16926-74:2025
Asendab dokumenti: CWA 16926-74:2023

EVS-EN 50090-4-4:2025

Home and Building Electronic Systems (HBES) - Part 4-4: HBES IoT Point API

This document lays down the requirements for the HBES Point API extension to the EN 50090 series, allowing vendor independent communication between smart home and building devices on IPv6 networks.

Keel: en
Alusdokumendid: EN 50090-4-4:2025

EVS-EN ISO 17419:2025

Intelligent transport systems - Globally unique identification (ISO 17419:2025)

This document:

— describes and specifies globally unique addresses and identifiers (ITS-S object identifiers) that are both internal and external to ITS stations and are used for ITS station management;

— describes how ITS-S object identifiers and related technical parameters are used for classification, registration and management of ITS applications and ITS application classes;

— describes how ITS-S object identifiers are used in the ITS communication protocol stack;

— introduces an organizational framework for registration and management of ITS-S objects;

— defines and specifies management procedures at a high functional level;

— specifies an ASN.1 module for the identifiers, addresses and registry records identified in this document; and

— specifies an ASN.1 module for a C-ITS data dictionary containing ASN.1 type definitions of general interest.

This document is based on the architecture of an ITS station specified in ISO 21217 as a bounded secured managed domain (BSMD).

Keel: en
Alusdokumendid: ISO 17419:2025; EN ISO 17419:2025
Asendab dokumenti: EVS-EN ISO 17419:2018
Asendab dokumenti: EVS-EN ISO 17419:2018/A1:2024

EVS-EN ISO 19152-2:2025

Geographic information - Land Administration Domain Model (LADM) - Part 2: Land registration (ISO 19152-2:2025)

This document:

— defines a reference land administration domain model (LADM) covering basic information-related components of land registration (including elements above and below the surface of the Earth);

— provides an abstract, conceptual model with three packages and one sub-package related to:

— parties (people and organizations);

— basic administrative units, rights, responsibilities and restrictions (RRRs);

— spatial units (parcels, and the legal space of buildings and utility networks and other geometry) with a sub-package on surveying and spatial representation (geometry and topology);

— provides terminology for land administration (LA), based on various national and international systems, that is as simple as possible in order to be useful in practice. The terminology allows a shared description of different formal or informal practices and procedures in various jurisdictions;

— provides a platform for comparison and monitoring that is based on indicators;

— provides a basis for national and regional profiles; and

— enables the combination of land administration information from different sources in a coherent manner.

The following is outside the scope of this document:

— interference with (national) land administration laws with potentially legal implications; and

— construction of external databases with party data, address data, land cover data, physical utility network data, archive data and taxation data. However, the LADM provides stereotype classes for these data sets to indicate which data set elements the LADM expects from these external sources, if available.

This document provides the concepts and the detailed structure for standardization in the land administration domain.

Keel: en
Alusdokumendid: ISO 19152-2:2025; EN ISO 19152-2:2025
Asendab dokumenti: EVS-EN ISO 19152:2012

EVS-EN ISO 19178-1:2025

Geographic information - Training data markup language for artificial intelligence - Part 1: Conceptual model (ISO 19178-1:2025)

Within the context of training data for Earth Observation (EO) Artificial Intelligence Machine Learning (AI/ML), this document specifies a conceptual model that:

— establishes a UML model with a target of maximizing the interoperability and usability of EO imagery training data;

— specifies different AI/ML tasks and labels in EO in terms of supervised learning, including scene level, object level and pixel level tasks;

— describes the permanent identifier, version, licence, training data size, measurement or imagery used for annotation;

— specifies a description of quality (e.g. training data errors, training data representativeness, quality measures) and provenance (e.g. agents who perform the labelling, labelling procedure).

Keel: en
Alusdokumendid: ISO 19178-1:2025; EN ISO 19178-1:2025

EVS-ISO/IEC 20546:2025

Infotehnoloogia. Suurandmed. Ülevaade ja sõnavara
Information technology -- Big data -- Overview and vocabulary (ISO/IEC 20546:2019, identical)

Dokument annab valdkonna paremaks mõistmiseks ja kommunikatsiooniks vajaliku terminite ja määratluste baasi. Ühtlasi esitatakse terminoloogiline baas suurandmetega seotud standarditele.

Dokument annab kontseptuaalse ülevaate suurandmete valdkonnast, kirjeldab selle ala suhteid muude tehniliste alade ja standardimispüüetega ning esitab suurandmetega seostatavad mõisted, mis ei ole valdkonnas uued.

Keel: en, et
Alusdokumendid: ISO/IEC 20546:2019

43 MAANTEESÕIDUKITE EHITUS

EVS-EN IEC 63380-1:2025

Standard interface for connecting charging stations to local energy management systems - Part 1: General requirements, use cases and abstract messages

IEC 63380-1:2025 defines the secure information exchange between local energy management systems and electric vehicle charging stations. The local energy management systems communicate to the charging station controllers via the resource manager.
This document specifies use cases, the sequences of information exchange and generic data models.

Keel: en
Alusdokumendid: IEC 63380-1:2025; EN IEC 63380-1:2025

45 RAUDTEETEHNIKA

CLC/TR 50718:2025

Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock

This document guides users of the EN 45545 series, particularly EN 45545 2:2020+A1:2023, in the application of these standards in designing and assessing Ni-Cd batteries on board trains for their fire protection measures. This document excludes any new requirements, considering only the requirements stated by the above listed standards. However, since the EN 45545 series contain generic requirements and do not specifically refer to Ni-Cd batteries, this document helps the application for those batteries.

Keel: en
Alusdokumendid: CLC/TR 50718:2025
Asendab dokumenti: CLC/TR 50718:2021

CLC/TR 50750:2025

Report on the use of EN 45545-2 and EN 45545-5 for electronic equipment on board rolling stock

This document reports the experience of the users of EN 45545 2 and EN 45545 5, particularly when applying these standards to the design and compliance evaluation of electronic equipment on board of trains for their fire protection measures. This document excludes any new requirements, considering only the requirements stated by the above listed standards. However, since these requirements are generic and not specifically referred to electronic equipment, this document clarifies the application of EN 45445 to the complex case of electronic components and associated assemblies.

Keel: en
Alusdokumendid: CLC/TR 50750:2025

EVS-EN 15955-1:2025

Railway applications - Infrastructure - Demountable machines, trailers and associated equipment - Part 1: Technical requirements for travelling and working

This document specifies the requirements for demountable machines and trailers, including road-rail trailers - henceforward referred to as ‘machines’.

NOTE Trailers, including road-rail trailers, are considered as machines because they are moved along the track by powered machines.

This document specifies the requirements to deal with the common hazards presented by their use on the railway during transport, assembly and installation, commissioning, travelling and working on track, use including setting, programming, and process changeover, operation, cleaning, fault finding, maintenance and de-commissioning of the machines and associated equipment when they are used as intended and under conditions of misuse which are reasonably foreseeable.

These machines are not designed nor intended to operate signalling and control systems and are only designed and intended to work and travel under special operating conditions in accordance with those permitted by the infrastructure managers. These machines are not permitted to run on railway lines open to normal traffic.

NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European standards, see Technical Report CEN/TR 17498:2020.

This document is also applicable to machines and associated equipment that in working mode are partly supported on the ballast or the formation.

The requirements in this document are based on the assumption that the machines are used, operated and maintained by skilled person(s).

This document does not apply to the following:

- requirements for quality of the work or performance of the machine;

- use of separate equipment temporarily mounted on machines;
- machines that utilize the overhead contact line system for traction purposes or as a power source;
- hazards due to air pressure caused by the passing of high-speed trains at more than 200 km/h
- operation subject to special rules, e.g. potentially explosive atmospheres;
- hazards due to natural causes, e.g. earthquake, lightning, flooding;
- working methods;
- operation in severe working conditions requiring special measures, e.g. corrosive environments, contaminating environments, strong magnetic fields;
- hazards occurring when used to handle suspended loads which may swing freely.

Keel: en
Alusdokumendid: EN 15955-1:2025
Asendab dokumenti: EVS-EN 15954-1:2013
Asendab dokumenti: EVS-EN 15955-1:2013

EVS-EN 15955-2:2025

Raudteealased rakendused. Taristu. Rööbastelt mahatõstetavad masinad, haagised ja nendega seotud seadmed. Osa 2: Üldised ohutusnõuded
Railway applications - Infrastructure - Demountable machines, trailers and associated equipment - Part 2: General safety requirements

This document specifies the general safety requirements for demountable machines and trailers, including road-rail trailers - henceforward referred to as ‘machines, for use when travelling and working on railway track.

NOTE Trailers, including road-rail trailers, are considered as machines because they are moved along the track by powered machines.

This document specifies the requirements to deal with the common hazards presented by their use on the railway during transport, assembly and installation, commissioning, travelling and working on track, use including setting, programming, and process changeover, operation, cleaning, fault finding, maintenance and de-commissioning of the machines and associated equipment when they are used as intended and under conditions of misuse which are reasonably foreseeable.

These machines will not run on railway lines open to normal traffic.

NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European standards, see Technical Report CEN/TR 17498:2020.

This document is also applicable to machines and associated equipment that in working mode are partly supported on the ballast or the formation.

The requirements in this document are based on the assumption that the machines are used, operated and maintained by skilled person(s).

This document does not apply to the following:

- requirements for quality of the work or performance of the machine;
- use of separate equipment temporarily mounted on machines;
- machines that utilize external power supplies such as the overhead contact line system for traction purposes or as a power source;
- hazards due to air pressure caused by the passing of high-speed trains at more than 200 km/h;
- operation subject to special rules, e.g. potentially explosive atmospheres;
- hazards due to natural causes, e.g. earthquake, lightning, flooding;
- working methods;
- operation in severe working conditions requiring special measures, e.g. corrosive environments, contaminating environments, strong magnetic fields;
- hazards occurring when used to handle suspended loads which may swing freely.

Keel: en
Alusdokumendid: EN 15955-2:2025
Asendab dokumenti: EVS-EN 15954-2:2013
Asendab dokumenti: EVS-EN 15955-2:2013

EVS-EN IEC 62290-2:2025

Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification

IEC 62290-2:2025 specifies the functional requirements of UGTMS (urban guided transport management and command/control systems) for use in urban guided passenger transport lines and networks. This document is applicable for new lines or for upgrading existing signalling and command control systems.

The IEC 62290 series specifies the functional, system and interface requirements for the command, control, and management systems intended to be used on urban, guided passenger transport lines and networks.

These systems are designated herein as urban guided transport management and command/control systems (UGTMS).

UGTMS cover a wide range of operations needs from non-automated (GOA1) to unattended (GOA4) operation. A line may be equipped with UGTMS on its full length or only partly equipped.

The IEC 62290 series does not specifically address security issues. However, aspects of safety requirements may apply to ensuring security within the urban guided transit system.

The main objectives of this series are as follows:

* to provide a baseline system description and functional requirements specification for a transport authority to use in a request for proposal,

* to provide recommendations for those transport authorities wishing to acquire an interoperable or interchangeable system.

It is the responsibility of the transport authority concerned to decide on how to apply the IEC 62290 series and to take into account their particular needs.

This document is applicable to applications using

* continuous data transmission,

* continuous supervision of train movements by train protection profile, and

* localisation of trains by onboard UGTMS equipment (reporting trains), and optionally by external wayside (and optionally onboard) device.

In this document, the functional requirements set the framework to which detailed functions are added to define any generic or specific application.

Because of that, although this document is applicable as a basis to define SRS, FIS and FFFIS, elements can be added for a generic or specific application.

This third edition cancels and replaces the second edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) the functions 5.1.4.5 Stopping a train en route, 5.1.5.4 Monitor speed limit at discrete location, 5.5.5 Manage UGTMS transfer tracks, 5.6.4.1 Monitor passenger emergency calls and 6.2.4 Ensure connecting services have been deleted;

b) the functions 5.5.11 Manage train washing, 5.5.12 Manage non-stopping areas and 6.3.4 Perform progressive shutdown have been added;

c) many of the requirements have been reworded: changes in their wording could be only minor and editorial, or it could have technical consequences;

d) some requirements of the second edition have been moved from one function/subfunction to another;

e) some requirements have been deleted;

f) some new requirements have been added in the existing functions;

g) an informative annex giving the reader some user's recommendations about this document has been added;

h) another informative annex giving some typical performance-related criteria has been also added.

i) an informative annex providing a summary of applicability of functions and subfunctions (mandatory or optional) depending on GOA has been added.

In order to avoid any disturbance in the use of the document, when functions or requirements of IEC

Keel: en
Alusdokumendid: IEC 62290-2:2025; EN IEC 62290-2:2025
Asendab dokumenti: EVS-EN 62290-2:2014

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2996-004:2025

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 004: With signal contact - Product standard

This document specifies the characteristics of three-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between -55 °C and 125 °C for ratings ≤ 15 A and -55 °C to 90 °C for ratings > 15 A and at an altitude of 22 000 m max. These circuit breakers are operated by a push-pull type single pushbutton (actuator), with delayed action "trip-free" tripping with a signal contact which is open when main contacts are closed, and inversely. They will continue to function up to the short-circuit current.

Keel: en
Alusdokumendid: EN 2996-004:2025
Asendab dokumenti: EVS-EN 2996-004:2006

EVS-EN 2996-005:2025

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 005: With polarized signal contact - Product standard

This document specifies the characteristics of three-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between −55 °C and 125 °C for ratings ≤ 15 A and −55 °C and 90 °C for ratings > 15 A and at an altitude of 22 000 m max. These circuit breakers are operated by a push-pull type single push button (actuator), with delayed action “trip-free” tripping with

a polarized signal contact which is open when main contacts are closed, and inversely. They will continue to function up to the short-circuit current.

Keel: en
Alusdokumendid: EN 2996-005:2025
Asendab dokumenti: EVS-EN 2996-005:2006

EVS-EN 3719:2025

Aerospace series - Aluminium or aluminium alloy conductors for electrical cables - Product standard

This document specifies the dimensions, linear resistance, mechanical characteristics, construction and mass of conductors in aluminium or aluminium alloy for electrical cables for aerospace applications.

It applies to stranded conductors with nominal cross-sections of 5 mm2 to 115 mm2 inclusive.

Keel: en
Alusdokumendid: EN 3719:2025
Asendab dokumenti: EVS-EN 3719:2018

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 17236:2025

Leather - Physical and mechanical tests - Determination of extension set (ISO 17236:2025)

This document specifies a method for determining the extension set of leather. It is intended for use on upholstery leather but is applicable to all flexible leathers.

Keel: en
Alusdokumendid: ISO 17236:2025; EN ISO 17236:2025
Asendab dokumenti: EVS-EN ISO 17236:2016

61 RÕIVATÖÖSTUS

EVS-EN ISO 20686:2025

Footwear - Critical substances potentially present in footwear and footwear components - Determination of certain organic solvents (ISO 20686:2025)

This document specifies a method to quantify residues of certain organic solvents (see Annex A) in footwear materials with gas chromatography-mass spectrometry (GC-MS).

This document is applicable to footwear materials where there is a risk for the presence of certain solvent residues (e.g. solvent present in glues, leather finishing and coated textiles, plastics, rubber).

Keel: en
Alusdokumendid: ISO 20686:2025; EN ISO 20686:2025

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 18054:2025

Food authenticity - Determination of C and/or N isotope ratios in food by Elemental Analyser - Isotope Ratio Mass Spectrometry (EA-IRMS)

This document covers instrumental analysis by elemental analyser-isotope ratio mass spectrometry (EA-IRMS) of food materials to determine C and/or N isotope ratios.

The isotope ratios obtained by following this document are expressed as δ13C and/or δ15N values relative to international measurement standards.

Sample preparation is not included within this document. It is assumed that the food sample has been pre-treated as necessary and homogenized.

Similarly, the interpretation of the obtained isotope delta values is not covered by this document. Following this protocol will result only in isotope delta values for the sample materials.

Solid and/or liquid sample materials can be analysed following this document.

Although other instrumental techniques can be applied to determine δ13C and/or δ15N values in food materials, these other techniques are not covered by this document.

Keel: en
Alusdokumendid: EN 18054:2025

EVS-ISO 937:2025

Liha ja lihatooted. Lämmastikusisalduse määramine. Referentsmeetod
Meat and meat products — Determination of nitrogen content — Reference method (ISO 937:2023, identical)

See dokument määratleb standardmeetodi liha ja lihatoodete lämmastikusisalduse määramiseks Kjeldahli põhimõttel.

Keel: en
Alusdokumendid: ISO 937:2023

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 15345:2025
Plastics - Recycled plastics - Characterization of polypropylene (PP) recyclates

This document specifies the main characteristics and associated test methods for assessing of polypropylene (PP) recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of PP recyclates to agree on specifications for specific and generic applications.

This document does not cover the characterization of plastic wastes, which is covered by the EN 15347 series, neither traceability topics which are covered by EN 15343.

Keel: en
Alusdokumendid: EN 15345:2025
Asendab dokumenti: EVS-EN 15345:2008

EVS-EN 15347-2:2025
Plastics - Sorted plastics wastes - Part 2: Quality grades of sorted Polyethylene (PE) wastes and specific test methods

This document specifies the quality grades for sorted Polyethylene (PE) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. Polyethylene waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-2:2025

EVS-EN 15347-3:2025
Plastics - Sorted plastics wastes - Part 3: Quality grades of sorted Polypropylene (PP) wastes and specific test methods

This document specifies the quality grades for sorted polypropylene (PP) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. Polypropylene waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-3:2025

EVS-EN 15347-4:2025
Plastics - Sorted plastics wastes - Part 4: Quality grades of sorted poly(ethylene terephtalate) (PET) wastes and specific test methods

This document specifies the quality grades for sorted poly(ethylene terephtalate) (PET) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PET waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-4:2025

EVS-EN 15347-5:2025
Plastics - Sorted plastics wastes - Part 5: Quality grades of sorted poly(vinyl chloride) (PVC) wastes and specific test methods

This document specifies the quality grades for sorted poly(vinyl chloride) (PVC) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PVC waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en

Alusdokumendid: EN 15347-5:2025

EVS-EN 15347-6:2025

Plastics - Sorted plastics wastes - Part 6: Quality grades of sorted polystyrene (PS) wastes and specific test methods

This document specifies the quality grades for sorted polystyrene (PS) wastes as well as specific test methods laying out those properties for which the supplying party of the waste makes information available to the receiving party. PS waste quality grades are based on pre-determined sets of characteristics, taking into account sectorial and market specificities and related information needs and tests methods. The document provides for a division of information between “Required Data”, where a statement is required, and additional “Optional Data” as agreed between the supplying and receiving party. This document does not apply to the general characterization addressed in EN 15347-1.

Keel: en
Alusdokumendid: EN 15347-6:2025

EVS-EN 18066:2025

Plastics - Design for recycling of PVC based profiles for construction products

This document applies to unplasticized poly(vinyl chloride) (PVC-U) profiles that are intended to be used for the fabrication of windows and doors in accordance with the EN 14351 series or EN 16034, shutters according to EN 13659 and other construction profiles in accordance with the EN 13245 series. Furthermore, this document is also applicable for profiles used in other PVC-U products, which can include recyclates. This document gives references and specifies general and product-specific design for recycling principles.

NOTE 1 In this document, the term “PVC-U profiles” is used to refer to construction profiles made from PVC-U, PVC-UE, and PVC-U-based natural fibre composites (NFC).

NOTE 2 For editorial reasons in this document the term window is used for window/door. Criteria for the use of materials, process conditions, and recyclability are defined, which are considered during the design process.

This document defines principles to

- obtain the highest possible share of recyclability of the PVC-U part in the profile, and
- increase the share of PVC-U recyclate in the profile,

while complying with requirements for the final product, where existent and defined elsewhere. This document establishes flowcharts which help to assess, (i) how recyclability is evaluated and (ii) whether inclusion of rPVC-U is possible.

The following components of the final PVC-U construction product are considered in this document:

- profiles;
- reinforcements;
- gaskets;
- insulations;
- coverings.

This document specifies only the technical connection of the profile to other components (such as glazing or hardware) and their impact on the recyclability of the PVC-U profiles. The recyclability of the other components (e.g. glazing, aluminium cover, hardware) is excluded from this document.

NOTE 3 Examples for profiles included in this document and their intended use can be found in Figure 1.

Figure 1 - Examples for profiles included in this document and their intended use (frame and sash profile with reinforcements, window, door, cladding and shutter box with shutter)

Keel: en
Alusdokumendid: EN 18066:2025

EVS-EN 18067:2025

Plastics - Recycled plastics - Characterization of Acrylonitrile-Butadiene-Styrene (ABS) recyclates

This document specifies the main characteristics and associated test methods for assessing of acrylonitrile-butadiene-styrene (ABS) recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of ABS recyclates (rABS) to agree on specifications for specific and generic applications.

This document does not cover the characterization of plastic wastes, which is covered by the EN 15347 series, neither traceability topics which are covered by EN 15343.

Keel: en
Alusdokumendid: EN 18067:2025

EVS-EN ISO 11357-3:2025

Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3:2025)

This document specifies a method for the determination of the temperatures and enthalpies of melting and crystallization of crystalline or partially crystalline plastics using conventional DSC as specified in ISO 11357-1.

This document is not applicable to fast DSC as specified in ISO 23976.

Keel: en
Alusdokumendid: ISO 11357-3:2025; EN ISO 11357-3:2025
Asendab dokumenti: EVS-EN ISO 11357-3:2018

EVS-EN ISO 11357-5:2025

Plastics - Differential scanning calorimetry (DSC) - Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion (ISO 11357-5:2025)

This document specifies a method for the determination of reaction temperatures and times, enthalpies of reaction, and degrees of conversion using conventional differential scanning calorimetry (DSC) as specified in ISO 11357-1.

The method applies to monomers, prepolymers, and polymers in the solid or liquid state. The material can contain fillers and/or initiators in the solid or liquid state.

This document is not applicable to fast DSC as specified in ISO 23976.[1]

Keel: en
Alusdokumendid: ISO 11357-5:2025; EN ISO 11357-5:2025
Asendab dokumenti: EVS-EN ISO 11357-5:2014

91 EHITUSMATERJALID JA EHITUS

EVS 847-1:2025

Veevärk. Osa 1: Veehaarded
Waterworks - Part 1: Water Intakes

Standard kehtib veevärgi, sh ühisveevärgi veehaaretele ning on ette nähtud kasutamiseks veeallika tüübi ja asukoha valikul, veehaarde põhisõlmede projekteerimisel ja seadmete valikul ning veehaarde projekteerimisel.

Keel: et
Asendab dokumenti: EVS 847-1:2014

EVS-EN 17990:2025

Thermal insulation and energy economy in buildings - Method to determine the durability of bondings with adhesive tapes and adhesive masses for the establishment of airtight layers under climatic conditions representative for indoor environments

This document specifies methods to determine the durability of bondings, prepared by means of adhesive materials (e.g. adhesive tapes and adhesive masses), for the establishment of airtight layers under climatic conditions representative for indoor environments based on test methods with and without ageing.

The methods provided in this document require at least 120 days for aging and are therefore not suitable for a short time evaluation nor can they be applied to in-field testing. This document excludes test methods for external weathering or UV exposure, even though this might occur during the construction phase.

The following typical applications are distinguished:

- bonding of the overlap of flexible airtightness layers;
- bonding of flexible airtightness layers to construction products and penetrations;
- establishment of airtightness layers by means of sheet materials and adhesive tapes.

This document does not apply to test methods for:

- pre-compressed sealing tapes and sealing profiles which will be mechanically secured;
- butyl-based adhesive tapes or adhesive masses;
- sheet joints of wood-based panels or gypsum plasterboards with adhesive masses or filler systems;
- bondings of bitumen membranes or of bitumen membranes to construction products;
- bonding of self-adhesive membranes;
- adhesive masses from reels. Adhesive masses from reels are cured viscoelastic adhesive masses, which are used in the same field of application as adhesive masses.

The tack is not addressed. It does not allow any conclusion on the durability of a bonding.

Keel: en
Alusdokumendid: EN 17990:2025

EVS-EN 18066:2025

Plastics - Design for recycling of PVC based profiles for construction products

This document applies to unplasticized poly(vinyl chloride) (PVC-U) profiles that are intended to be used for the fabrication of windows and doors in accordance with the EN 14351 series or EN 16034, shutters according to EN 13659 and other

construction profiles in accordance with the EN 13245 series. Furthermore, this document is also applicable for profiles used in other PVC-U products, which can include recyclates. This document gives references and specifies general and product-specific design for recycling principles.

NOTE 1 In this document, the term “PVC-U profiles” is used to refer to construction profiles made from PVC-U, PVC-UE, and PVC-U-based natural fibre composites (NFC).

NOTE 2 For editorial reasons in this document the term window is used for window/door. Criteria for the use of materials, process conditions, and recyclability are defined, which are considered during the design process.

This document defines principles to

- obtain the highest possible share of recyclability of the PVC-U part in the profile, and
- increase the share of PVC-U recyclate in the profile,

while complying with requirements for the final product, where existent and defined elsewhere. This document establishes flowcharts which help to assess, (i) how recyclability is evaluated and (ii) whether inclusion of rPVC-U is possible.

The following components of the final PVC-U construction product are considered in this document:

- profiles;
- reinforcements;
- gaskets;
- insulations;
- coverings.

This document specifies only the technical connection of the profile to other components (such as glazing or hardware) and their impact on the recyclability of the PVC-U profiles. The recyclability of the other components (e.g. glazing, aluminium cover, hardware) is excluded from this document.

NOTE 3 Examples for profiles included in this document and their intended use can be found in Figure 1.

Figure 1 - Examples for profiles included in this document and their intended use (frame and sash profile with reinforcements, window, door, cladding and shutter box with shutter)

Keel: en
Alusdokumendid: EN 18066:2025

EVS-EN ISO 20109:2025

Simultaneous interpreting - Equipment - Requirements (ISO 20109:2025)

This document specifies requirements for the equipment needed for simultaneous interpreting and for the quality of sound and image transmitted to interpreters and from interpreters to the audience, irrespective of the place in relation to speakers, signers, the audience and other interpreters.

Keel: en
Alusdokumendid: ISO 20109:2025; EN ISO 20109:2025
Asendab dokumenti: EVS-EN ISO 20109:2016

93 RAJATISED

EVS-EN 15626:2025

Bitumens and bituminous binders - Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test - Aggregate method

This document specifies a method for the determination of the adhesivity of cut-back or fluxed bituminous binders coated onto aggregate when immersed in water.

The method can be used with a reference aggregate. In that case, it measures the intrinsic adhesion behaviour of a cut-back and fluxed bituminous binder. The method can also be used with a specific aggregate as used on a job site.

WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use. For environmental reasons and to reduce emissions to air, water and soil, it is recommended to limit the use of products, solvents and energy to the minimum required for a valid test result.

Keel: en
Alusdokumendid: EN 15626:2025
Asendab dokumenti: EVS-EN 15626:2016

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 1-1:2025

Residential liquid fuel burning appliances - Part 1: General requirements and test methods

This document is applicable to residential liquid fuel burning appliances intended for space heating.

This document specifies requirements relating to the design, manufacture, construction, safety and performance (efficiency and emission) of appliances fired by liquid fuel (hereafter referred to as “appliance(s)”) and provides instructions for them.

Furthermore, it also gives provisions for the evaluation of conformity, i.e. initial type testing (ITT) and factory production control (FPC) and marking of these appliances.

This document specifies the test methods for the determination of the smoke number, and CO, NOx, and OGC emission test methods.

This document does not apply to:

- built-in appliances;
- appliances equipped with an atomizing burner;
- appliances incorporating a boiler or connected to a water system.

Keel: en
Alusdokumendid: EN 1-1:2025
Asendab dokumenti: EVS-EN 1:2000
Asendab dokumenti: EVS-EN 1:2000/A1:2007

EVS-EN 1-2:2025

Elamute vedelkütteseadmed. Osa 2: Aurustuspõletiga õliga köetavad leektoruahjud
Residential liquid fuel burning appliances - Part 2: Flued oil stoves with vaporizing burners

This document is applicable to oil stoves. These appliances have one or more vaporizing burners and a nominal heating capacity of not more than 15 kW and are equipped either with a draught regulator or a combustion air limiter.

The intended use of the appliances is space heating in residential buildings.

This document is also applicable to appliances with fan assisted vaporizing burners.

According to the type of fuels used in the country of destination, the appliances are supplied for use with either:

- fuel oil with a maximum kinematic viscosity of 6,0 mm²/s at 20 °C;
- or kerosene with a flash point of not less than 40 °C.

This document is not applicable for:

- built-in appliances;
- appliances equipped with an atomizing burner;
- appliances incorporating a boiler or connected to a water system.

This document specifies procedures for assessment and verification of constancy of performance (AVCP) of characteristics of flued oil stoves with vaporizing burners.

Keel: en
Alusdokumendid: EN 1-2:2025
Asendab dokumenti: EVS-EN 1:2000
Asendab dokumenti: EVS-EN 1:2000/A1:2007

EVS-EN 50090-4-4:2025

Home and Building Electronic Systems (HBES) - Part 4-4: HBES IoT Point API

This document lays down the requirements for the HBES Point API extension to the EN 50090 series, allowing vendor independent communication between smart home and building devices on IPv6 networks.

Keel: en
Alusdokumendid: EN 50090-4-4:2025

EVS-EN IEC 60350-1:2023/A1:2025

Kodumajapidamises kasutatavad elektrilised toiduvalmistusseadmed. Osa 1: Pliidid, ahjud, auruahjud ja grillid. Toimivuse mõõtemeetodid
Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance

Amendment to EN IEC 60350-1:2023

Keel: en
Alusdokumendid: IEC 60350-1:2023/AMD1:2025; EN IEC 60350-1:2023/A1:2025
Muudab dokumenti: EVS-EN IEC 60350-1:2023

EVS-EN IEC 60730-2-14:2025

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Eriomased nõuded elektrilistele täiturseadmetele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

IEC 60730-2-14: 2025 applies to automatic electric actuators

• for use in, on, or in association with equipment for household appliance and similar use;

NOTE 1 Throughout this document, the word "equipment" means "appliance and equipment" and "control" means "electric actuator".

EXAMPLE 1 Electric actuators for appliances within the scope of IEC 60335.

• for building automation within the scope of ISO 16484 series and IEC 63044 series (HBES/BACS);
EXAMPLE 2 Independently mounted electric actuators for use in smart grid systems and for building automation systems within the scope of ISO 16484-2.

• for equipment that is used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications;

EXAMPLE 3 Electric actuators for commercial catering, heating, and air-conditioning equipment.

• that are smart enabled;

• that are AC or DC powered electric actuators with a rated voltage not exceeding 690 V AC or 600 V DC;

• used in, on, or in association with equipment that use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof;

• utilized as part of a control system or controls which are mechanically integral with multifunctional controls having non-electrical outputs;

• using NTC or PTC thermistors and to discrete thermistors, requirements for which are contained in Annex J;

• that are mechanically or electrically operated, responsive to or controlling such characteristics as temperature, pressure, passage of time, humidity, light, electrostatic effects, flow, or liquid level, current, voltage, acceleration, or combinations thereof; as well as manual controls when such are electrically and/or mechanically integral with automatic controls.

NOTE 2 Requirements for manually actuated mechanical switches not forming part of an automatic control are contained in IEC 61058-1-1.

This document applies to

– the inherent safety of automatic electric actuators, and

– functional safety of automatic electric actuators and safety related systems,

– controls where the performance (for example the effect of EMC phenomena) of the product can impair the overall safety and performance of the controlled system,

– the operating values, operating times, and operating sequences where such are associated with equipment safety.

This document specifies the requirements for construction, operation and testing of automatic electric actuators used in, on, or in association with an equipment.

This document does not

• apply to automatic electric actuators intended exclusively for industrial process applications unless explicitly mentioned in the relevant part 2 or the equipment standard. However, this document can be applied to evaluate automatic electric actuators intended specifically for industrial applications in cases where no relevant safety standard exists;

• take into account the response value of an automatic action of an electric actuator, if such a response value is dependent upon the method of mounting the electric actuator in the equipment. Where a response value is of significant purpose for the protection of the user, or surroundings, the value defined in the appropriate equipment standard or as determined by the manufacturer will apply;

• address the integrity of the output signal to the network devices, such as interoperability with other devices unless it has been evaluated as part of the control system;

• apply to electric actuators which are mechanically integrated with valves covered by a separate part 2 (e.g. IEC 60730-2-8);

• apply to electric motors, requirements for which are contained in IEC 60034.

Keel: en
Alusdokumendid: IEC 60730-2-14:2025; EN IEC 60730-2-14:2025
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019/A1:2022
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019/A2:2021
Asendab dokumenti: EVS-EN IEC 60730-2-14:2019+A2+A1:2022

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 1792:2003
Welding - Multilingual list of terms for welding and related processes

Keel: en
Alusdokumendid: EN 1792:2003
Standardi staatus: Kehtetu

03 TEENUSED. ETTEVÕTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA

CEN/TS 17380:2019
Intelligent transport systems - Urban-ITS - 'Controlled Zone' management for UVARs using C-ITS

Keel: en
Alusdokumendid: CEN/TS 17380:2019
Standardi staatus: Kehtetu

EVS-EN ISO 17419:2018
Intelligent transport systems - Cooperative systems - Globally unique identification (ISO 17419:2018)

Keel: en
Alusdokumendid: ISO 17419:2018; EN ISO 17419:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 17419:2025
Muudetud järgmise dokumendiga: EVS-EN ISO 17419:2018/A1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 17419:2018/A1:2024
Intelligent transport systems - Cooperative systems - Globally unique identification - Amendment 1: Regions of a closed polygon in a plane (ISO 17419:2018/Amd 1:2024)

Keel: en
Alusdokumendid: ISO 17419:2018/Amd 1:2024; EN ISO 17419:2018/A1:2024
Asendatud järgmise dokumendiga: EVS-EN ISO 17419:2025
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 14889:2013
Oftalmiline optika. Prilliläätsed. Põhinõuded mõõtulõikamata viimistletud prilliläätsedele Ophthalmic optics - Spectacle lenses - Fundamental requirements for uncut finished lenses (ISO 14889:2013)

Keel: en
Alusdokumendid: ISO 14889:2013; EN ISO 14889:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 14889:2025
Muudetud järgmise dokumendiga: EVS-EN ISO 14889:2013/A1:2017
Standardi staatus: Kehtetu

EVS-EN ISO 14889:2013/A1:2017
Oftalmiline optika. Prilliläätsed. Põhinõuded mõõtulõikamata viimistletud prilliläätsedele Ophthalmic optics - Spectacle lenses - Fundamental requirements for uncut finished lenses - Amendment 1 (ISO 14889:2013/Amd 1:2017)

Keel: en
Alusdokumendid: ISO 14889:2013/Amd 1:2017; EN ISO 14889:2013/A1:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 14889:2025
Standardi staatus: Kehtetu

EVS-EN ISO 80369-6:2016
Väikese avaga ühendusliitmikud vedelikele ja gaasidele tervishoiurakendustes. Osa 6: Ühendusliitmikud neuraksiaalsetes rakendustes

Small bore connectors for liquids and gases in healthcare applications - Part 6: Connectors for neuraxial applications (ISO 80369-6:2016, Corrected version 2016-11-15)

Keel: en
Alusdokumendid: ISO 80369-6:2016; EN ISO 80369-6:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 80369-6:2025
Standardi staatus: Kehtetu

EVS-EN ISO 9917-1:2007

Dentistry - Water-based cements - Part 1: Powder/liquid acid-base cements

Keel: en
Alusdokumendid: ISO 9917-1:2007; EN ISO 9917-1:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 9917-1:2025
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CLC/TR 50718:2021

Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock

Keel: en
Alusdokumendid: CLC/TR 50718:2021
Asendatud järgmise dokumendiga: CLC/TR 50718:2025
Standardi staatus: Kehtetu

EVS 847-1:2014

Veevärk. Osa 1: Veehaarded
Waterworks - Part 1: Water Intakes

Keel: et
Asendatud järgmise dokumendiga: EVS 847-1:2025
Standardi staatus: Kehtetu

EVS-EN 13565-1:2019

Paiksed tulekustutussüsteemid. Vahtsüsteemide komponendid. Osa 1: Nõuded ja katsemeetodid
Fixed firefighting systems - Foam systems - Part 1: Requirements and test methods for components

Keel: en, et
Alusdokumendid: EN 13565-1:2019
Asendatud järgmise dokumendiga: EVS-EN 13565-1:2019+A1:2025
Standardi staatus: Kehtetu

EVS-EN 15342:2007

Plastics - Recycled Plastics - Characterization of polystyrene (PS) recyclates

Keel: en
Alusdokumendid: EN 15342:2007
Asendatud järgmise dokumendiga: EVS-EN 15342:2025
Standardi staatus: Kehtetu

EVS-EN 15345:2008

Plastics - Recycled Plastics - Characterisation of Polypropylene (PP) recyclates

Keel: en
Alusdokumendid: EN 15345:2007
Asendatud järgmise dokumendiga: EVS-EN 15345:2025
Standardi staatus: Kehtetu

EVS-EN 29241-3:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 3: Kuvatava kujutise kvaliteedile esitatavad nõuded
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements

Keel: en
Alusdokumendid: EN 29241-3:1993
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-304:2008

Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Muudetud järgmise dokumendiga: EVS-EN 29241-3:2000/A1:2001
Standardi staatus: Kehtetu

EVS-EN 29241-3:2000/A1:2001

Kuvaritega kontoritöö ergonoomianõuded. Osa 3: Kuvatava kujutise kvaliteedile esitatavad nõuded. MUUDATUS 1
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements - AMENDMENT 1

Keel: en
Alusdokumendid: ISO 9241-3:1993/Amd. 1:2000; EN 29241-3:1993/A1:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-304:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 13406-1:2000

Ergonomic requirements for work with visual display based on flat panels - Part 1: Introduction

Keel: en
Alusdokumendid: ISO 13406-1:1999; EN ISO 13406-1:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Standardi staatus: Kehtetu

EVS-EN ISO 13406-2:2002

Ergonomic requirements for visual display units based on flat panels - Part 2: Requirements for flat panel displays

Keel: en
Alusdokumendid: ISO 13406-2:2001; EN ISO 13406-2:2001
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 15008:2017

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2017)

Keel: en
Alusdokumendid: ISO 15008:2017; EN ISO 15008:2017
Standardi staatus: Kehtetu

EVS-EN ISO 9241-7:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 7: Nõuded valgust peegeldavatele kuvaritele
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 7: Requirements for display with reflections

Keel: en
Alusdokumendid: ISO 9241-7:1998; EN ISO 9241-7:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 9241-8:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 8: Nõuded kuvatavatele värvustele
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 8: Requirements for displayed colours

Keel: en
Alusdokumendid: ISO 9241-8:1997; EN ISO 9241-8:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 60060-2:2011
High-voltage test techniques - Part 2: Measuring systems

Keel: en
Alusdokumendid: IEC 60060-2:2010; EN 60060-2:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60060-2:2025
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 15317:2013
Non-destructive testing - Ultrasonic testing - Characterization and verification of ultrasonic thickness measuring equipment

Keel: en
Alusdokumendid: EN 15317:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 16831:2025
Standardi staatus: Kehtetu

EVS-EN 60060-2:2011
High-voltage test techniques - Part 2: Measuring systems

Keel: en
Alusdokumendid: IEC 60060-2:2010; EN 60060-2:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60060-2:2025
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 1792:2003
Welding - Multilingual list of terms for welding and related processes

Keel: en
Alusdokumendid: EN 1792:2003
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 61400-4:2013
Wind turbines - Part 4: Design requirements for wind turbine gearboxes (IEC 61400-4:2012)

Keel: en
Alusdokumendid: IEC 61400-4:2012; EN 61400-4:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61400-4:2025
Asendatud järgmise dokumendiga: prEN IEC 61400-40:2024
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN IEC 60730-2-14:2019/A1:2022
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD1:2019; EN IEC 60730-2-14:2019/A1:2022
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Konsolideeritud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019+A2+A1:2022
Standardi staatus: Kehtetu

EVS-EN IEC 60730-2-14:2019/A2:2021
Elektrilised automaatjuhtimisseadmed. Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD2:2021; EN IEC 60730-2-14:2019/A2:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Konsolideeritud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019+A2+A1:2022
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN IEC 63171:2021

Connectors for electrical and electronic equipment - Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity - General requirements and tests

Keel: en
Alusdokumendid: IEC 63171:2021; EN IEC 63171:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 63171:2025
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN IEC 60794-1-22:2018

Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods

Keel: en
Alusdokumendid: IEC 60794-1-22:2017; EN IEC 60794-1-22:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-211:2021
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-201:2024
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-208:2025
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-209:2024
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-212:2024
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-213:2024
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-216:2025
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-217:2024
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN/TS 17380:2019

Intelligent transport systems - Urban-ITS - 'Controlled Zone' management for UVARs using C-ITS

Keel: en
Alusdokumendid: CEN/TS 17380:2019
Standardi staatus: Kehtetu

CWA 16926-1:2022

Extensions for Financial Services (XFS) interface specification Release 3.50 - Part 1: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference

Keel: en
Alusdokumendid: CWA 16926-1:2022
Asendatud järgmise dokumendiga: CWA 16926-1:2025
Standardi staatus: Kehtetu

CWA 16926-15:2022

Extensions for Financial Services (XFS) interface specification Release 3.50 - Part 15: Cash-In Module Device Class Interface - Programmer's Reference

Keel: en
Alusdokumendid: CWA 16926-15:2022
Asendatud järgmise dokumendiga: CWA 16926-15:2025
Standardi staatus: Kehtetu

CWA 16926-61:2023

Extensions for Financial Services (XFS) interface specification Release 3.50 - Part 61: Application Programming Interface (API) - Service Provider Interface (SPI) - Programmer's Reference - Migration from Version 3.40 (CWA 16926:2000) to Version 3.50 (this CWA)

Keel: en
Alusdokumendid: CWA 16926-61:2023
Asendatud järgmise dokumendiga: CWA 16926-61:2025
Standardi staatus: Kehtetu

CWA 16926-74:2023

Extensions for Financial Services (XFS) interface specification Release 3.50 - Part 74: Cash-In Module Device Class Interface - Programmer's Reference - Migration from Version 3.40 (CWA 16926:2020) to Version 3.50 (this CWA)

Keel: en
Alusdokumendid: CWA 16926-74:2023
Asendatud järgmise dokumendiga: CWA 16926-74:2025
Standardi staatus: Kehtetu

EVS-EN 15876-2:2016

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to EN 15509 - Part 2: Abstract test suite

Keel: en
Alusdokumendid: EN 15876-2:2016
Standardi staatus: Kehtetu

EVS-EN 29241-3:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 3: Kuvatava kujutise kvaliteedile esitatavad nõuded
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements

Keel: en
Alusdokumendid: EN 29241-3:1993
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-304:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Muudetud järgmise dokumendiga: EVS-EN 29241-3:2000/A1:2001
Standardi staatus: Kehtetu

EVS-EN 29241-3:2000/A1:2001

Kuvaritega kontoritöö ergonoomianõuded. Osa 3: Kuvatava kujutise kvaliteedile esitatavad nõuded. MUUDATUS 1
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 3: Visual display requirements - AMENDMENT 1

Keel: en
Alusdokumendid: ISO 9241-3:1993/Amd. 1:2000; EN 29241-3:1993/A1:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-304:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 13406-1:2000

Ergonomic requirements for work with visual display based on flat panels - Part 1: Introduction

Keel: en
Alusdokumendid: ISO 13406-1:1999; EN ISO 13406-1:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Standardi staatus: Kehtetu

EVS-EN ISO 13406-2:2002

Ergonomic requirements for visual display units based on flat panels - Part 2: Requirements for flat panel displays

Keel: en
Alusdokumendid: ISO 13406-2:2001; EN ISO 13406-2:2001
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 17419:2018

Intelligent transport systems - Cooperative systems - Globally unique identification (ISO 17419:2018)

Keel: en
Alusdokumendid: ISO 17419:2018; EN ISO 17419:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 17419:2025
Muudetud järgmise dokumendiga: EVS-EN ISO 17419:2018/A1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 17419:2018/A1:2024

Intelligent transport systems - Cooperative systems - Globally unique identification - Amendment 1: Regions of a closed polygon in a plane (ISO 17419:2018/Amd 1:2024)

Keel: en
Alusdokumendid: ISO 17419:2018/Amd 1:2024; EN ISO 17419:2018/A1:2024
Asendatud järgmise dokumendiga: EVS-EN ISO 17419:2025
Standardi staatus: Kehtetu

EVS-EN ISO 9241-7:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 7: Nõuded valgust peegeldavatele kuvaritele Ergonomic requirements for office work with visual display terminals (VDTs) - Part 7: Requirements for display with reflections

Keel: en
Alusdokumendid: ISO 9241-7:1998; EN ISO 9241-7:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-307:2008
Standardi staatus: Kehtetu

EVS-EN ISO 9241-8:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 8: Nõuded kuvatavatele värvustele Ergonomic requirements for office work with visual display terminals (VDTs) - Part 8: Requirements for displayed colours

Keel: en
Alusdokumendid: ISO 9241-8:1997; EN ISO 9241-8:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-302:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-303:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-305:2008
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN ISO 15008:2017

Road vehicles - Ergonomic aspects of transport information and control systems - Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2017)

Keel: en
Alusdokumendid: ISO 15008:2017; EN ISO 15008:2017
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

CLC/TR 50718:2021

Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock

Keel: en
Alusdokumendid: CLC/TR 50718:2021
Asendatud järgmise dokumendiga: CLC/TR 50718:2025
Standardi staatus: Kehtetu

EVS-EN 15954-1:2013

Railway applications - Track - Trailers and associated equipment - Part 1: Technical requirements for running and working

Keel: en
Alusdokumendid: EN 15954-1:2013
Asendatud järgmise dokumendiga: EVS-EN 15955-1:2025

Asendatud järgmise dokumendiga: prEN 15955
Standardi staatus: Kehtetu

EVS-EN 15954-2:2013

Raudteealased rakendused. Rööbastee. Haakeveerem ja kaasnevad seadmed. Osa 2: Üldised ohutusnõuded
Railway applications - Track - Trailers and associated equipment - Part 2: General safety requirements

Keel: en
Alusdokumendid: EN 15954-2:2013
Asendatud järgmise dokumendiga: EVS-EN 15955-2:2025
Asendatud järgmise dokumendiga: prEN 15955
Standardi staatus: Kehtetu

EVS-EN 15955-1:2013

Railway applications - Track - Demountable machines and associated equipment - Part 1: Technical requirements for running and working

Keel: en
Alusdokumendid: EN 15955-1:2013
Asendatud järgmise dokumendiga: EVS-EN 15955-1:2025
Asendatud järgmise dokumendiga: prEN 15955
Standardi staatus: Kehtetu

EVS-EN 15955-2:2013

Raudteealased rakendused. Rööbastee. Rööbastelt mahatõstetavad masinad ja kaasnevad seadmed. Osa 2: Üldised ohutusnõuded
Railway applications - Track - Demountable machines and associated equipment - Part 2: General safety requirements

Keel: en
Alusdokumendid: EN 15955-2:2013
Asendatud järgmise dokumendiga: EVS-EN 15955-2:2025
Asendatud järgmise dokumendiga: prEN 15955
Standardi staatus: Kehtetu

EVS-EN 62290-2:2014

Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification

Keel: en
Alusdokumendid: IEC 62290-2:2014; EN 62290-2:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62290-2:2025
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2996-004:2006

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated current 1 A to 25 A - Part 004: With signal contact - Product standard

Keel: en
Alusdokumendid: EN 2996-004:2006
Asendatud järgmise dokumendiga: EVS-EN 2996-004:2025
Standardi staatus: Kehtetu

EVS-EN 2996-005:2006

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated current 1 A to 25 A - Part 005: With polarized signal contact - Product standard

Keel: en
Alusdokumendid: EN 2996-005:2006
Asendatud järgmise dokumendiga: EVS-EN 2996-005:2025
Standardi staatus: Kehtetu

EVS-EN 3719:2018

Aerospace series - Aluminium or aluminium alloy conductors for electrical cables - Product standard

Keel: en

Alusdokumendid: EN 3719:2018
Asendatud järgmise dokumendiga: EVS-EN 3719:2025
Standardi staatus: Kehtetu

EVS-EN 4162:2016

Aerospace series - Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

Keel: en
Alusdokumendid: EN 4162:2016
Asendatud järgmise dokumendiga: prEN 4162
Parandatud järgmise dokumendiga: EVS-EN 4162:2016/AC:2017
Standardi staatus: Kehtetu

EVS-EN 4162:2016/AC:2017

Aerospace series - Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

Keel: en
Alusdokumendid: EN 4162:2016/AC:2017
Asendatud järgmise dokumendiga: prEN 4162
Konsolideeritud järgmise dokumendiga: EVS-EN 4162:2016
Standardi staatus: Kehtetu

EVS-EN 4509:2006

space series - Screws, 100 countersunk normal head, offset cruciform recess, threaded to head, in titanium alloy, anodized, with aluminium pigmented coating, metric series - Classification: 1 100 MPa (at ambient temperature) / 315 °C

Keel: en
Alusdokumendid: EN 4509:2006
Asendatud järgmise dokumendiga: prEN 4509
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 17236:2016

Leather - Physical and mechanical tests - Determination of extension set (ISO 17236:2016)

Keel: en
Alusdokumendid: ISO 17236:2016; EN ISO 17236:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 17236:2025
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 12436:2002

Adhesives for load-bearing timber structures - Casein adhesives - Classification and performance requirements

Keel: en
Alusdokumendid: EN 12436:2001
Standardi staatus: Kehtetu

EVS-EN 13999-1:2013

Adhesives - Short term method for measuring the emission properties of low-solvent or solvent-free adhesives after application - Part 1: General procedure

Keel: en
Alusdokumendid: EN 13999-1:2013
Standardi staatus: Kehtetu

EVS-EN 13999-2:2013

Adhesives - Short term method for measuring the emission properties of low-solvent or solvent-free adhesives after application - Part 2: Determination of volatile organic compounds

Keel: en
Alusdokumendid: EN 13999-2:2013
Standardi staatus: Kehtetu

EVS-EN 15342:2007
Plastics - Recycled Plastics - Characterization of polystyrene (PS) recyclates

Keel: en
Alusdokumendid: EN 15342:2007
Asendatud järgmise dokumendiga: EVS-EN 15342:2025
Standardi staatus: Kehtetu

EVS-EN 15345:2008
Plastics - Recycled Plastics - Characterisation of Polypropylene (PP) recyclates

Keel: en
Alusdokumendid: EN 15345:2007
Asendatud järgmise dokumendiga: EVS-EN 15345:2025
Standardi staatus: Kehtetu

EVS-EN ISO 11357-3:2018
Plastics - Differential scanning calorimetry (DSC) - Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3:2018)

Keel: en
Alusdokumendid: ISO 11357-3:2018; EN ISO 11357-3:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 11357-3:2025
Standardi staatus: Kehtetu

EVS-EN ISO 11357-5:2014
Plastics - Differential scanning calorimetry (DSC) - Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion (ISO 11357-5:2013)

Keel: en
Alusdokumendid: ISO 11357-5:2013; EN ISO 11357-5:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 11357-5:2025
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS 847-1:2014
Veevärk. Osa 1: Veehaarded
Waterworks - Part 1: Water Intakes

Keel: et
Asendatud järgmise dokumendiga: EVS 847-1:2025
Standardi staatus: Kehtetu

EVS-EN ISO 20109:2016
Simultaneous interpreting - Equipment - Requirements (ISO 20109:2016)

Keel: en
Alusdokumendid: ISO 20109:2016; EN ISO 20109:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 20109:2025
Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 15626:2016
Bitumen and bituminous binders - Determination of adhesivity of cut-back and fluxed bituminous binders by water immersion test - Aggregate method

Keel: en
Alusdokumendid: EN 15626:2016
Asendatud järgmise dokumendiga: EVS-EN 15626:2025
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 1:2000
Aurustuspõletitega jääkõliahjud
Flued oil stoves with vaporizing burners

Keel: en

Alusdokumendid: EN 1:1998
Asendatud järgmise dokumendiga: EVS-EN 1-1:2025
Asendatud järgmise dokumendiga: EVS-EN 1-2:2025
Muudetud järgmise dokumendiga: EVS-EN 1:2000/A1:2007
Standardi staatus: Kehtetu

EVS-EN 1:2000/A1:2007

Aurustuspõletitega jääkõliahjud
Flued oil stoves with vaporizing burners

Keel: en
Alusdokumendid: EN 1:1998/A1:2007
Asendatud järgmise dokumendiga: EVS-EN 1-1:2025
Asendatud järgmise dokumendiga: EVS-EN 1-2:2025
Standardi staatus: Kehtetu

EVS-EN IEC 60730-2-14:2019

Elektrilised automaatjuhtimisseadmed Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Keel: en
Alusdokumendid: IEC 60730-2-14:2017; EN IEC 60730-2-14:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Konsolideeritud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019+A2+A1:2022
Muudetud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019/A1:2022
Muudetud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019/A2:2021
Standardi staatus: Kehtetu

EVS-EN IEC 60730-2-14:2019/A1:2022

Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD1:2019; EN IEC 60730-2-14:2019/A1:2022
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Konsolideeritud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019+A2+A1:2022
Standardi staatus: Kehtetu

EVS-EN IEC 60730-2-14:2019/A2:2021

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD2:2021; EN IEC 60730-2-14:2019/A2:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Konsolideeritud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2019+A2+A1:2022
Standardi staatus: Kehtetu

EVS-EN IEC 60730-2-14:2019+A2+A1:2022

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14:2017 + IEC 60730-2-14:2017/AMD2:2021 + IEC 60730-2-14:2017/A1:2019)

Keel: en
Alusdokumendid: IEC 60730-2-14:2017; EN IEC 60730-2-14:2019; IEC 60730-2-14:2017/AMD2:2021; EN IEC 60730-2-14:2019/A2:2021; IEC 60730-2-14:2017/AMD1:2019; EN IEC 60730-2-14:2019/A1:2022
Asendatud järgmise dokumendiga: EVS-EN IEC 60730-2-14:2025
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast huvitatuil võimalik tutvuda standardikavanditega, esitada kommentaare ning teha ettepanekuid parandusteks. Eriti on oodatud teave, kui rahvusvahelist või Euroopa standardikavandit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel).

Arvamusküsitlusele esitatakse Euroopa ja rahvusvahelised standardikavandid, mis on kavas üle võtta Eesti standarditeks, ja Eesti algupärased standardikavandid ning algupäraste tehniliste spetsifikatsioonide ja juhendite kavandid.

Iga arvamusküsitlusel oleva kavandi kohta on esitatud alljärgnev informatsioon:
- tähis;
- pealkiri;
- käsitlusala;
- keel (en = inglise; et = eesti);
- Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
- asendusseos, selle olemasolul;
- arvamuste esitamise tähtaeg.

Kavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN ISO 12716
Non-destructive testing - Acoustic emission testing - Vocabulary (ISO/DIS 12716:2025)

This International Standard defines the terminology that is used in acoustic emission testing and forms a common basis for standards and general use.

Keel: en
Alusdokumendid: ISO/DIS 12716; prEN ISO 12716
Asendab dokumenti: EVS-EN 1330-9:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS-ISO 55000
Varahaldus. Sõnavara, ülevaade ja põhimõtted
Asset management — Vocabulary, overview and principles (ISO 55000:2024, identical)

See dokument määratleb varahalduse terminid ning seab sisse varahalduse juhtimissüsteemi põhimõtted ja tulemused. See kirjeldab:

— varahalduse ja varahalduse juhtimissüsteemi hüvesid;

— varahalduse, varahalduse juhtimissüsteemi ja varaportfelli vahelist seost;

— varahalduse parendamist ja küpsust.

Seda dokumenti saavad kasutada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes.

Selles dokumendis ei esitata finantsjuhtimise, aruandluse, inimressursside juhtimise ega tehnilisi juhiseid konkreetsete varaliikide haldamiseks.

MÄRKUS Selles dokumendis, standardites ISO 55001 ja ISO 55002, tähendab termin „varahalduse juhtimissüsteem“ vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en
Alusdokumendid: ISO 55000:2024
Asendab dokumenti: EVS-ISO 55000:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

03 TEENUSED. ETTEVÕTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA

EN 17649:2022/prA1
Gas infrastructure - Safety Management System (SMS), Pipeline Integrity Management System (PIMS) and Compressor station integrity management system (CIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar.

This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure.

This document is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and gases such as biomethane and hydrogen and to mixtures of these gases with natural gas.

This document covers also gases classified as group H, that are to be transmitted, injected into and from storages, distributed and utilized, as specified in EN 16726. For the requirements and test methods for biomethane at the point of entry into a natural gas network, reference is made to EN 16723-1.

This document can be applied for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437 or for other gases such as carbon dioxide.

Specific requirements for occupational health and safety are excluded from this document. For these, other European and/or international standards, e.g. ISO 45001, apply.

This document specifies common basic principles for gas infrastructure. It is important that users of this document are expected to be aware that more detailed national standards and/or codes of practice exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts).

NOTE CEN/TR 13737 (all parts) contains:

- clarification of relevant legislation/regulations applicable in a country;

- if appropriate, more restrictive national requirements;

- national contact points for the latest information.

Keel: en
Alusdokumendid: EN 17649:2022/prA1
Muudab dokumenti: EVS-EN 17649:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO/IEC 19788-1

Information technology for learning, education and training - Metadata for learning resources - Part 1: Framework (ISO/IEC 19788-1:2024)

This document provides a framework that applies to all resources and specifies how to describe resources. It includes rules governing the way in which descriptions are made.

This document provides principles, rules and structures for specifying the description of any type of resource; it identifies and establishes attributes for specifying properties, resources classes, vocabularies and application profiles and the rules governing their use. The key principles set out in this document are framed in a user-centric context and aim to meet the requirements of multilingual and cultural adaptability from a global perspective.

This document can be used for the specification of metadata describing any type of resource (not only learning resources). This document is information-technology-neutral and defines a set of common approaches.

This document specifies generic properties, generic resource classes and predefined rule sets for content value rules. These generic elements are proposed in such a way that they can be widely reused, thereby promoting interoperability.

This document is applicable to the development of:

— application profiles based on the ISO/IEC 19788 series but not part of it or any other document based on it,

— standards consisting of the description of resources (in a broad sense), whether they belong to the domain of education or to any other domain.

Keel: en
Alusdokumendid: ISO/IEC 19788-1:2024; prEN ISO/IEC 19788-1

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS 900

Koristusvaldkonna sõnavara
Vocabulary of Cleaning Sector

Käesolev Eesti standard määratleb professionaalses koristusvaldkonnas kasutatavad terminid ja nende tähendused.

Standard on mõeldud kasutamiseks:

- koristustarvikute ja -ainete müüjatele;

- koristusteenuse pakkujatele;

- koristusteenuse ostjatele;

- koristustarvikute, -masinate ja -ainete ostjatele;

- koristusvaldkonna koolitajatele;

- koristustööde korraldajatele.

Keel: et

Asendab dokumenti: EVS 900:2009

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS-ISO 55000

Varahaldus. Sõnavara, ülevaade ja põhimõtted
Asset management — Vocabulary, overview and principles (ISO 55000:2024, identical)

See dokument määratleb varahalduse terminid ning seab sisse varahalduse juhtimissüsteemi põhimõtted ja tulemused. See kirjeldab:

— varahalduse ja varahalduse juhtimissüsteemi hüvesid;

— varahalduse, varahalduse juhtimissüsteemi ja varaportfelli vahelist seost;

— varahalduse parendamist ja küpsust.

Seda dokumenti saavad kasutada igat liiki ja igas suuruses organisatsioonid igat liiki vara suhtes.

Selles dokumendis ei esitata finantsjuhtimise, aruandluse, inimressursside juhtimise ega tehnilisi juhiseid konkreetsete varaliikide haldamiseks.

MÄRKUS Selles dokumendis, standardites ISO 55001 ja ISO 55002, tähendab termin „varahalduse juhtimissüsteem“ vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en
Alusdokumendid: ISO 55000:2024
Asendab dokumenti: EVS-ISO 55000:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS-ISO 55001

Varahaldus. Varahalduse juhtimissüsteemid. Nõuded
Asset management — Asset management system — Requirements (ISO 55001:2024, identical)

See dokument spetsifitseerib nõuded varahalduse juhtimissüsteemile.

Seda dokument on kohaldatav igat liiki ja suuruses organisatsioonidele igat liiki vara suhtes.

Kooskõlas organisatsiooni varahalduse juhtpõhimõtetega kuuluvad varahalduse juhtimissüsteemi kavandatud tulemuste hulka:

— varade realiseeritud väärtus organisatsioonile ja tema huvipooltele kogu varade eluea jooksul;

— varahalduse eesmärkide saavutamine ja kohaldavate nõuete täitmine;

— varahalduse, varahalduse juhtimissüsteemi ja varade suutlikuse järjepidev parendamine.

Selles dokumendis ei esitata finantsjuhtimise, aruandluse ega tehnilisi nõudeid konkreetsete varaliikide haldamiseks.

MÄRKUS Standardite ISO 55000, selle dokumendi ja ISO 55002 kontekstis tähendab termin „varahalduse juhtimissüsteem“ vara haldamiseks kasutatavat juhtimissüsteemi.

Keel: en
Alusdokumendid: 55001:2024
Asendab dokumenti: EVS-ISO 55001:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

11 TERVISEHOOLDUS

EN IEC 60601-2-22:2020/prAA:2025

Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment

The amendment to EN IEC 60601-2-22:2020 contains the Annexes ZA (Normative references to international publications with their corresponding European publications) and ZZ (Relationship between this European standard and the General Safety and Performance Requirements of Regulation (EU) 2017/745 aimed to be covered).

These two Annexes are necessary for the harmonization of the standard to the Regulation (EU) 2017/745.

Keel: en
Alusdokumendid: EN IEC 60601-2-22:2020/prAA:2025
Muudab dokumenti: EVS-EN IEC 60601-2-22:2020

Arvamusküsitluse lõppkuupäev: 14.08.2025

EN ISO 16571:2024/prA1

Systems for evacuation of plume generated by medical devices - Amendment 1 (ISO 16571:2024/DAM 1:2025)

Amendment to EN ISO 16571:2024

Keel: en
Alusdokumendid: ISO 16571:2024/DAmd 1; EN ISO 16571:2024/prA1
Muudab dokumenti: EVS-EN ISO 16571:2024

Arvamusküsitluse lõppkuupäev: 14.08.2025

FprEN IEC 60601-2-57:2023/prAA:2025

Medical electrical equipment - Part 2-57: Particular requirements for the basic safety and essential performance of non-laser light source equipment intended for therapeutic, diagnostic, monitoring, cosmetic and aesthetic use

The amendment to EN IEC 60601-2-57 contains the Annexes ZA (Normative references to international publications with their corresponding European publications) and ZZ (Relationship between this European standard and the General Safety and Performance Requirements of Regulation (EU) 2017/745 aimed to be covered).

These two Annexes are necessary for the harmonization of the standard to the Regulation (EU) 2017/745.

Keel: en
Alusdokumendid: FprEN IEC 60601-2-57:2023/prAA:2025
Muudab dokumenti: prEN IEC 60601-2-57:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 1364-5

Fire resistance tests for non-loadbearing elements - Part 5: Air transfer grilles

This document specifies a method for determining the fire resistance of air transfer grilles (ATG).

It is applicable to air transfer grilles intended for installation in building components (typically walls, floors or ceilings). The orientation of the installation of the air transfer grille can be vertical or horizontal.

The closing mechanism of the air transfer grille can come from expansion of material and/or from any mechanical or electrical closing device.

This test method is valid for fire resistant or fire resistant and smoke control air transfer grilles.

An additional test configuration is valid for fire resistant or fire resistant and smoke control air transfer grilles in applications where flame impingement is a risk during open state from start of fire (Annex A).

This test method evaluates the behaviour of the air transfer grille when exposed to the standard fire curve described in EN 1363-1 and the standard pressure described in EN 1363-1. It is not the intention of this test to provide quantitative information on the rate of leakage of smoke and/or hot gases or on the transmission or generation of fumes under fire conditions. Such phenomena are only noted in describing the general behaviour of test specimens during the test.

The rate of leakage of smoke at ambient temperature or at 200 °C as an optional requirement for ATG with declared smoke control will be confirmed in accordance with EN 1634-3.

This test method is not valid for determining the fire resistance of air transfer grilles that are used in ducts because ATG are considered as separating elements. The test method for ATG, used in ducts is described in the corresponding duct standards. This test method is not valid for determining the fire resistance of a fire damper or a fire barrier connected to a duct on either or both sides because an ATG is tested as a fire-separating element on its own. Fire dampers are tested according to EN 1366-2.

Non-mechanical fire barriers are tested according to EN 1366-12.

This test method is not valid for determining the fire resistance of air transfer grilles in fire doors, shutters and openable windows as specified in EN 1634-1 and EN 1364-2, because the deformation of fire doors, shutters and openable windows in fire conditions differs from the deformation of flexible/rigid walls. Moreover, the location of thermocouples in the door standard is too specific to be handled in this document.

All values given in this document are nominal unless otherwise specified.

Keel: en
Alusdokumendid: prEN 1364-5
Asendab dokumenti: EVS-EN 1364-5:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 18196

Algae and algae products — Determination of inorganic arsenic in algae and algae products by anion-exchange (HPLC-ICP-MS)

This document describes a method for the determination of inorganic arsenic in algae by anion-exchange HPLC-ICP-MS following water bath extraction. Inorganic arsenic consists of arsenite, As(III) and arsenate, As(V).

A representative test portion of the sample is treated with a diluted nitric acid and hydrogen peroxide solution in a heated water bath. Hereby the arsenic species are extracted into solution and As(III) is oxidised to As(V). The inorganic arsenic is selectively separated from other arsenic compounds using anion exchange HPLC (High Performance Liquid Chromatography) coupled on-line to the element-specific detector ICP-MS (Inductively Coupled Plasma Mass Spectrometry) for the determination of the mass fraction of inorganic arsenic. External calibration with solvent matrix-matched standards is used for quantification of the amount of inorganic arsenic.

The method is based on method EN16802: Inorganic arsenic in food of plant and marine origin by HPLC-ICPMS, but covers more algae species. The present AsSugar species in certain algae can cause As peaks which might overlap with the As peaks related to the inorganic As. The current method includes a gradient elution method with quality criteria to ensure a correct identification of the inorganic arsenic.

Keel: en
Alusdokumendid: prEN 18196

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 18197

Algae and algae products — Determination of the amino acid profile of micro- and macroalgae

This document describes a method for determining the amino acid profile of algal biomass.

It specifies a method for the determination, in one single analysis, of the following amino acids: alanine, arginine, aspartic acid (combined with asparagine), cystine (dimer of cysteine, combined with cysteine), glutamic acid (combined with glutamine), glycine, histidine, isoleucine, leucine, lysine, methionine, phenylalanine, proline, serine, threonine, tyrosine and valine.

This method does not apply to the determination of tryptophan. The existing draft standard ISO/DIS 4214 – Milk and milk products – Determination of amino acids in infant formula and other dairy products will be evaluated and adapted.

Keel: en
Alusdokumendid: ISO 4214:2022; prEN 18197

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 18198

Algae and algae products — Nitrogen content measurement and protein content calculation for micro- and microalgae

This document describes a method for determining the total protein content of algal biomass.

Therefore, an existing method for measurement and calculation will be adapted.

The method consists of the measurement of the nitrogen content by a practical test method and the calculation of the protein content by a coefficient.

The document will describe the test method for nitrogen measurement.

As the coefficient usually used for protein determination (6.25) is too high for algae, the document will give a recommendation for a coefficient which is more specific to algae and thereby more accurate.

Keel: en
Alusdokumendid: prEN 18198

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 795

Personal fall protection equipment - Anchor devices

This European Standard specifies requirements for performance and associated test methods for single-user anchor devices which are not permanently secured to the structure. These anchor devices incorporate stationary or travelling (mobile) anchor points designed for the attachment of components of a personal fall protection system in accordance with EN 363:2018.

This European Standard also gives requirements for marking and instructions for use, and guidance on installation.

This European Standard is not applicable to:

- anchor devices intended to allow more than one user to be attached at any one time;

- anchor devices used in any sports or recreational activity;

- equipment designed to conform to EN 516:2006;

- permanent anchor devices and roof safety hooks conforming to EN 17235;

- elements or parts of structures which were installed for use other than as anchor points or anchor devices, e.g., beams, girders;

- structural anchors (see 3.3).

Keel: en
Alusdokumendid: prEN 795
Asendab dokumenti: EVS-EN 795:2012

Arvamusküsitluse lõppkuupäev: 15.07.2025

prEN ISO 14505-3

Ergonomics of the thermal environment - Evaluation of thermal environments in vehicles - Part 3: Evaluation of thermal comfort using human subjects (ISO/DIS 14505-3:2025)

ISO 14505-3:2006 gives guidelines and specifies a standard test method for the assessment, using human subjects, of thermal comfort in vehicles. It is not restricted to any particular vehicle but provides the general principles that allow assessment and evaluation. The method can be used to determine a measure of the performance of a vehicle for conditions of interest, in terms of whether it provides thermal comfort to people or not. This can be used in vehicle development and evaluation.

ISO 14505-3:2006 is applicable to all types of vehicles, including cars, buses, trucks, off-road vehicles, trains, aircraft, ships, submarines, and to the cabins of cranes and similar spaces. It applies where people are enclosed in a vehicle and when they are exposed to outside conditions. For those exposed to outside conditions, such as riders of bicycles or motorcycles, drivers of

open sports cars and operators of fork lift trucks without cabins, vehicle speed and weather conditions can dominate responses. The principles of assessment, however, will still apply.

ISO 14505-3:2006 applies to both passengers and operators of vehicles where its application does not interfere with the safe operation of the vehicle.

Keel: en
Alusdokumendid: ISO/DIS 14505-3; prEN ISO 14505-3
Asendab dokumenti: EVS-EN ISO 14505-3:2006

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 16646

Fusion installations - Criteria for the design and operation of confinement and ventilation systems of tritium fusion facilities and fusion fuel handling facilities (ISO 16646:2024)

This document specifies the applicable requirements related to the design and the operation of confinement and ventilation systems for fusion facilities for tritium fuels and tritium fuel handling facilities specific for fusion applications for peaceful purposes using high tritium inventories, as well as for their specialized buildings such as hot cells, examination laboratories, emergency management centres, radioactive waste treatment and storage facilities.

In most countries, a tritium quantity is declared as high for tritium inventories higher than a range of 10 g to 100 g. In the tritium fusion facilities in the scope of this document, the tritium inventory is deemed to be higher than this range for the whole site.

This document applies especially to confinement and ventilation systems that ensure the safety function of nuclear facilities involved in nuclear fusion with the goal to protect the workers, the public and the environment from the dissemination of radioactive contamination originating from the operation of these installations, and in particular from airborne tritium contamination with adequate confinement systems.

Keel: en
Alusdokumendid: ISO 16646:2024; prEN ISO 16646

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 19388

Sludge recovery, recycling, treatment and disposal - Requirements and recommendations for the operation of anaerobic digestion facilities (ISO 19388:2023)

This document establishes requirements and recommendations for the operation of the anaerobic digestion of sludge in order to support safe and sufficient operation of anaerobic digestion facilities to produce to produce sufficient biogas and control by-products qualities.

In particular, conditions to optimize mixing within the reactor and appropriate control systems management for safe and reliable operation are described in this document. Performance of the processes in terms of biogas and digestate production are presented depending on type of technologies available on the market. Blending sludge with waste (co-substrate) and mixing the sludge with organic wastes to increase digester loading are also considered.

This document is applicable to decision-makers and operators in charge of an anaerobic digestion system.

Keel: en
Alusdokumendid: ISO 19388:2023; prEN ISO 19388

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 21243

Radiation protection - Performance criteria for laboratories performing initial cytogenetic dose assessment of mass casualties in radiological or nuclear emergencies - General principles and application to dicentric assay (ISO 21243:2022)

The purpose of this document is to give an overview of the minimum requirements for performing the dicentric assay with quality control measures using mitogen stimulated peripheral blood lymphocytes for initial assessment of individuals involved in a mass casualty scenario. The dicentric assay is the use of chromosome damage to quickly estimate approximate radiation doses received by individuals in order to supplement the early clinical categorization of casualties.

This document focuses on the organizational and operational aspects of applying the dicentric assay in an initial assessment mode. The technical aspects of the dicentric assay can be found in ISO 19238.

This document is applicable either to an experienced biological dosimetry laboratory working alone or to a network of collaborating laboratories (as defined in Clause 7).

Keel: en
Alusdokumendid: ISO 21243:2022; prEN ISO 21243

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 22188

Monitoring for inadvertent movement and illicit trafficking of radioactive material (ISO 22188:2023)

This document specifies methods and means of monitoring for inadvertent movement and illicit trafficking of radioactive material. It provides guidelines on the use of both stationary and portable, for example hand-held, instruments to monitor for radiation signatures from radioactive material. Emphasis is placed on the operational aspects, i.e., requirements derived for

monitoring of traffic and commodities mainly at border-crossing facilities. Although the term border is used repeatedly in this document, it is meant to apply not only to international land borders but also maritime ports, airports, and similar locations where goods or individuals are being checked. This document does not specifically address the issue of detection of radioactive materials at recycling facilities, although it is recognized that transboundary movement of metals for recycling occurs, and that monitoring of scrap metals might be done at the borders of a state.

This document is applicable to

— regulatory bodies and other competent authorities seeking guidance on implementation of action plans to combat illicit trafficking,

— law enforcement agencies, for example border guards, to obtain guidelines on recommended monitoring procedures,

— equipment manufacturers in order to understand minimum requirements derived from operational necessities according to this document, and

— end-users of radiation detection equipment applicable to this document.

Keel: en
Alusdokumendid: ISO 22188:2023; prEN ISO 22188

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 7753

Nuclear criticality safety - Use of criticality accident alarm systems for operations (ISO 7753:2023)

This document provides requirements and guidance regarding the use of CAAS for operations of a nuclear facility. Requirements and guidance on CAAS design are provided in the IEC 60860.

This document is applicable to operations with fissile materials outside nuclear reactors but within the boundaries of nuclear establishments.

This document applies when a need for CAAS has been established. Information about the need for CAAS is given in Annex C.

This document does not include details of administrative steps, which are considered to be activities of a robust management system (ISO 14943 provides details of administrative steps).

Details of nuclear accident dosimetry and personnel exposure evaluations are not within the scope of this document. This document is concerned with gamma and neutron radiation rate-sensing systems. Specific detection criteria can also be met with integrating systems; systems detecting either neutron or gamma radiation can also be used. Equivalent considerations then apply.

Keel: en
Alusdokumendid: ISO 7753:2023; prEN ISO 7753

Arvamusküsitluse lõppkuupäev: 14.08.2025

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EN IEC 62127-3:2023/prA1:2025

Amendment 1 - Ultrasonics - Hydrophones - Part 3: Properties of hydrophones for ultrasonic fields

Amendment to EN IEC 62127-3:2023

Keel: en
Alusdokumendid: 87/897/CDV; EN IEC 62127-3:2023/prA1:2025
Muudab dokumenti: EVS-EN IEC 62127-3:2023

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 23548

Measurement of radioactivity - Alpha emitting radionuclides - Generic test method using alpha spectrometry (ISO 23548:2024)

This document describes a generic test method for measuring alpha emitting radionuclides, for all types of samples (soil, sediment, construction material, foodstuff, water, airborne, environmental bio-indicator, human biological samples as urine, faeces etc.) by alpha spectrometry. This method can be used for any type of environmental study or monitoring of alpha emitting radionuclides activities.

If relevant, this test method requires appropriate sample pre-treatment followed by specific chemical separation of the test portion in order to obtain a thin source proper to alpha spectrometry measurement.

This test method can be used to determine the activity, specific activity or activity concentration of a sample containing alpha emitting radionuclides such as 210Po, 226Ra, 228Th, 229Th, 230Th, 232Th, 232U,234U, 235U, 238U, 238Pu, 239+240Pu, 241Am or 243+244Cm.

This test method can be used to measure very low levels of activity, one or two orders of magnitude less than the usual natural levels of alpha emitting radionuclides. Annexes B of UNSCEAR 2000 and UNSCEAR 2008 give, respectively, typical natural activity concentrations for air, foods, drinking waters and, soils and building materials. The detection limit of the test method depends on the amount of the sample material analysed (mass or volume) after concentration, chemical yield, thickness of measurement source and counting time.

The quantity of the sample to be collected and analysed depends on the expected activity of the sample and the detection limit to achieve.

Keel: en
Alusdokumendid: ISO 23548:2024; prEN ISO 23548

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 25178-71

Geometrical product specifications (GPS) - Surface texture: Areal - Part 71: Software measurement standards (ISO/DIS 25178-71:2025)

ISO 25178-71:2017 defines Type S1 and Type S2 software measurement standards (etalons) for verifying the software of measuring instruments. It also defines the file format of Type S1 software measurement standards for the calibration of instruments for the measurement of surface texture by the areal method as defined in the areal surface texture chain of standards, chain link G.

NOTE Throughout ISO 25178-71:2017, the term "softgauge" is used as a substitute for "software measurement standard Type S1".

Keel: en
Alusdokumendid: ISO/DIS 25178-71; prEN ISO 25178-71
Asendab dokumenti: EVS-EN ISO 25178-71:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 6980-1

Nuclear energy - Reference beta-particle radiation - Part 1: Methods of production (ISO 6980-1:2023)

This document specifies the requirements for reference beta radiation fields produced by radioactive sources to be used for the calibration of personal and area dosemeters and dose-rate meters to be used for the determination of the quantities Hp(0,07), H'(0,07;Ω), Hp(3) and H'(3;Ω), and for the determination of their response as a function of beta particle energy and angle of incidence. The basic quantity in beta dosimetry is the absorbed-dose rate in a tissue-equivalent slab phantom. This document gives the characteristics of radionuclides that have been used to produce reference beta radiation fields, gives examples of suitable source constructions and describes methods for the measurement of the residual maximum beta particle energy and the dose equivalent rate at a depth of 0,07 mm in the International Commission on Radiation Units and Measurements (ICRU) sphere. The energy range involved lies between 0,22 MeV and 3,6 MeV maximum beta energy corresponding to 0,07 MeV to 1,2 MeV mean beta energy and the dose equivalent rates are in the range from about 10 μSv·h-1 to at least 10 Sv·h-1.. In addition, for some sources, variations of the dose equivalent rate as a function of the angle of incidence are given. However, as noted in ICRU 56[5], the ambient dose equivalent, H*(10), used for area monitoring, and the personal dose equivalent, Hp(10), as used for individual monitoring, of strongly penetrating radiation, are not appropriate quantities for any beta radiation, even that which penetrates 10 mm of tissue (Emax > 2 MeV).

This document is applicable to two series of reference beta radiation fields, from which the radiation necessary for determining the characteristics (calibration and energy and angular dependence of response) of an instrument can be selected.

Series 1 reference radiation fields are produced by radioactive sources used with beam-flattening filters designed to give uniform dose equivalent rates over a large area at a specified distance. The proposed sources of 106Ru/106Rh, 90Sr/90Y, 85Kr, 204Tl and 147Pm produce maximum dose equivalent rates of approximately 200 mSv·h–1.

Series 2 reference radiation fields are produced without the use of beam-flattening filters, which allows large area planar sources and a range of source-to-calibration plane distances to be used. Close to the sources, only relatively small areas of uniform dose rate are produced, but this series has the advantage of extending the energy and dose rate ranges beyond those of series 1. The series also include radiation fields using polymethylmethacrylate (PMMA) absorbers to reduce the maximum beta particle energy. The radionuclides used are those of series 1; these sources produce dose equivalent rates of up to 10 Sv·h–1.

Keel: en
Alusdokumendid: ISO 6980-1:2023; prEN ISO 6980-1

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 6980-2

Nuclear energy - Reference beta-particle radiation - Part 2: Calibration fundamentals related to basic quantities characterizing the radiation field (ISO 6980-2:2023)

This document specifies methods for the measurement of the absorbed-dose rate in a tissue-equivalent slab phantom in the ISO 6980 reference beta-particle radiation fields. The energy range of the beta-particle-emitting isotopes covered by these reference radiations is 0,22 MeV to 3,6 MeV maximum beta energy corresponding to 0,07 MeV to 1,2 MeV mean beta energy. Radiation energies outside this range are beyond the scope of this document. While measurements in a reference geometry (depth of 0,07 mm or 3 mm at perpendicular incidence in a tissue-equivalent slab phantom) with an extrapolation chamber used as primary standard are dealt with in detail, the use of other measurement systems and measurements in other geometries are also described, although in less detail. However, as noted in ICRU 56, the ambient dose equivalent, H*(10), used for area monitoring, and the personal dose equivalent, Hp(10), as used for individual monitoring, of strongly penetrating radiation, are not appropriate quantities for any beta radiation, even that which penetrates 10 mm of tissue (Emax > 2 MeV). This document is intended for those organizations wishing to establish primary dosimetry capabilities for beta particles and serves as a guide to the performance of dosimetry with an extrapolation chamber used as primary standard for beta-particle dosimetry in other fields. Guidance is also provided on the statement of measurement uncertainties.

Keel: en
Alusdokumendid: ISO 6980-2:2023; prEN ISO 6980-2

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 6980-3

Nuclear energy - Reference beta-particle radiation - Part 3: Calibration of area and personal dosemeters and the determination of their response as a function of beta radiation energy and angle of incidence (ISO 6980-3:2023)

This document describes procedures for calibrating and determining the response of dosemeters and dose-rate meters in terms of the operational quantities for radiation protection purposes defined by the International Commission on Radiation Units and Measurements (ICRU). However, as noted in ICRU 56, the ambient dose equivalent, H*(10), used for area monitoring, and the personal dose equivalent, Hp(10), as used for individual monitoring, of strongly penetrating radiation, are not appropriate quantities for any beta radiation, even that which penetrates 10 mm of tissue (Emax > 2 MeV).

This document is a guide for those who calibrate protection-level dosemeters and dose-rate meters with beta-reference radiation and determine their response as a function of beta-particle energy and angle of incidence. Such measurements can represent part of a type test during the course of which the effect of other influence quantities on the response is examined. This document does not cover the in-situ calibration of fixed, installed area dosemeters. The term “dosemeter” is used as a generic term denoting any dose or dose-rate meter for individual or area monitoring. In addition to the description of calibration procedures, this document includes recommendations for appropriate phantoms and the way to determine appropriate conversion coefficients. Guidance is provided on the statement of measurement uncertainties and the preparation of calibration records and certificates.

Keel: en
Alusdokumendid: ISO 6980-3:2023; prEN ISO 6980-3

Arvamusküsitluse lõppkuupäev: 14.08.2025

19 KATSETAMINE

prEN ISO 12716

Non-destructive testing - Acoustic emission testing - Vocabulary (ISO/DIS 12716:2025)

This International Standard defines the terminology that is used in acoustic emission testing and forms a common basis for standards and general use.

Keel: en
Alusdokumendid: ISO/DIS 12716; prEN ISO 12716
Asendab dokumenti: EVS-EN 1330-9:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 15548-1

Non-destructive testing - Equipment for eddy current examination - Part 1: Instrument characteristics and verification (ISO/DIS 15548-1:2025)

ISO 15548-1:2013 identifies the functional characteristics of a general-purpose eddy current instrument and provides methods for their measurement and verification.

The evaluation of these characteristics permits a well-defined description and comparability of eddy current equipment.

By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application.

Where accessories are used, these are characterized using the principles of ISO 15548-1:2013.

ISO 15548-1:2013 gives neither the extent of verification nor acceptance criteria for the characteristics. They are given in the application documents.

Keel: en
Alusdokumendid: ISO/DIS 15548-1; prEN ISO 15548-1
Asendab dokumenti: EVS-EN ISO 15548-1:2013

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 32543-1

Non-destructive testing - Characteristics of focal spots in industrial X-ray systems - Part 1: Pinhole camera radiographic method (ISO 32543-1:2024)

This document specifies a method for the measurement of effective focal spot dimensions above 0,1 mm of X-ray systems up to and including 1 000 kV X-ray voltage by means of the pinhole camera method with digital evaluation. The tube voltage applied for this measurement is restricted to 200 kV for visual film evaluation and can be selected higher than 200 kV if digital detectors are used.

The imaging quality and the resolution of X-ray images depend highly on the characteristics of the effective focal spot, in particular the size and the two-dimensional intensity distribution as seen from the detector plane. Compared to the other methods specified in the EN 12543 series and the ISO 32543 series, this method allows to obtain an image of the focal spot and to see the state of it (e.g. cratering of the anode).

This test method provides instructions for determining the effective size (dimensions) of standard (macro focal spots) and mini focal spots of industrial X-ray tubes. This determination is based on the measurement of an image of a focal spot that has been radiographically recorded with a “pinhole” technique and evaluated with a digital method.

For the characterization of commercial X-ray tube types (i.e. for advertising or trade), the specific FS (focal spot) values of Annex A can be used.

Keel: en
Alusdokumendid: ISO 32543-1:2024; prEN ISO 32543-1
Asendab dokumenti: EVS-EN 12543-2:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 32679

Non-destructive testing - Radiographic testing - Determination of the size of industrial radiographic gamma sources (ISO 32679:2024)

This document specifies a test procedure for determination of the size of industrial radiographic gamma sources of 0,5 mm or greater, made from the radionuclides Iridium 192, Ytterbium 169, Selenium 75 or Cobalt 60, by a radiography method with X-rays. The source size of a gamma radiation source is an important factor which affects the image quality of gamma ray images.

The source size is determined with an accuracy of ±10 % but typically not better than ±0,1 mm.

The source size is provided by the manufacturer as the mechanical dimension of the source insert. A measurement can be required if the manufacturing process is validated or monitored after implementation of the source into the holder.

This document can be used for other radionuclides after validation.

The standard test method ASTM E1114 provides further information on the measurement of the Ir-192 source size, the characterization of the source shape, and its correct assembly and packaging.

Keel: en
Alusdokumendid: ISO 32679:2024; prEN ISO 32679
Asendab dokumenti: EVS-EN 12679:2018

Arvamusküsitluse lõppkuupäev: 14.08.2025

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EN ISO 4042:2022/prA1

Fasteners - Electroplated coating systems - Amendment 1 (ISO 4042:2022/DAM 1:2025)

No scope available

Keel: en
Alusdokumendid: ISO 4042:2022/DAmd 1; EN ISO 4042:2022/prA1
Muudab dokumenti: EVS-EN ISO 4042:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 22705-1

Springs - Measurement and test parameters - Part 1: Cold formed cylindrical helical compression springs (ISO 22705-1:2021)

This document specifies the measurement and test methods for the general characteristics of cold formed helical compression springs made from round wire, excluding dynamic testing.

Keel: en
Alusdokumendid: ISO 22705-1:2021; prEN ISO 22705-1

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 22705-2

Springs - Measurement and test parameters - Part 2: Cold formed cylindrical helical extension springs (ISO 22705-2:2023)

This document specifies the measurement and test methods for general characteristics of cold formed helical extension springs made from round wire, excluding dynamic testing.

Keel: en
Alusdokumendid: ISO 22705-2:2023; prEN ISO 22705-2

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 22705-3

Springs - Measurement and test parameters - Part 3: Cold formed cylindrical helical torsion springs (ISO 22705-3:2024)

This document specifies the measurement and test methods for general characteristics of cold formed cylindrical helical torsion springs made from round wire, excluding dynamic testing.

Keel: en

Alusdokumendid: ISO 22705-3:2024; prEN ISO 22705-3

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 8742

Fasteners - Grooved pins - One-third-length center grooves (ISO/DIS 8742:2025)

This document specifies the characteristics of grooved pins with one-third-length centre oval grooves (with closed ends), in steel and stainless steel, and with nominal diameter 1 mm to 25 mm.

These grooved pins are designed to fulfil the main following functions:

— relative rotation of the assembled parts, and

— positioning or guiding,

with an easy installation (due to its symmetrical shape) and a medium level of pull-out resistance (due to the elastic fit behaviour of the pin).

The general requirements (including functional principles for grooved pins and assembly) are specified in ISO 13669.

Keel: en
Alusdokumendid: ISO/DIS 8742; prEN ISO 8742
Asendab dokumenti: EVS-EN ISO 8742:1999

Arvamusküsitluse lõppkuupäev: 14.08.2025

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 1594:2024/prA1

Gas infrastructure - Pipelines for maximum operating pressure over 16 bar - Functional requirements

This document describes the functional requirements for pipelines for maximum operating pressure over 16 bar. This document also describes the mechanical requirements for pipework in stations with a maximum operating pressure greater than 16 bar.

NOTE 1 Welding requirements are described in EN 12732. Functional requirements for stations are given in EN 1776, EN 1918-5, EN 12186, and EN 12583.

This document is applicable for transporting gas via onshore high-pressure steel pipeline infrastructures, where the following applies:

- onshore:
- from the point where the pipeline first crosses what is normally accepted as battery limit between onshore and offshore, and that is not located within commercial or industrial premises as an integral part of the industrial process on these premises except for any pipelines and facilities supplying such premises;
- pipeline system with a starting point onshore, also when parts of the pipeline system on the mainland subsequently cross fjords, lakes, etc.
- high pressure: gas with a maximum operating pressure over 16 bar and a design temperature between −40 °C and 120 °C.
- steel pipeline infrastructure: infrastructure consisting of pipeline components, such as pipes, valves, couplings and other equipment, restricted to components made of unalloyed or low alloyed carbon steel and joined by welds, flanges or mechanical couplings.
- gas: non-corrosive natural gas, biomethane gas, hydrogen gas and mixtures of these gases where technical evaluation has ensured that operating conditions or constituents or properties of the gas do not affect the safe operation of the pipeline.

Gas infrastructures covered by this document begin after the gas producer's metering station.

NOTE 2 The functional demarcation of the pipeline system is usually directly after an isolating valve of the installation, but can differ in particular situations. The functional demarcation of the pipeline system is usually located on an isolating valve of the installation, but can differ in particular situations.

A schematic representation of pipelines for gas infrastructure is given in Figure 1.

This document can also be applied to the repurposing of existing pipelines.

[Figure 1 - Schematic representation of pipelines for gas supply over 16 bar]

This document specifies common basic principles for gas infrastructure. Users of this standard are expected to be aware that more detailed national standards and/or code of practice can exist in the CEN member countries.

This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this standard, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737.

CEN/TR 13737 gives:

- clarification of all legislations/regulations applicable in a member state;
- if appropriate, more restrictive national requirements;

- a national contact point for the latest information.

Keel: en
Alusdokumendid: EN 1594:2024/prA1
Muudab dokumenti: EVS-EN 1594:2024

Arvamusküsitluse lõppkuupäev: 14.08.2025

EN 17649:2022/prA1

Gas infrastructure - Safety Management System (SMS), Pipeline Integrity Management System (PIMS) and Compressor station integrity management system (CIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar.

This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure.

This document is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and gases such as biomethane and hydrogen and to mixtures of these gases with natural gas.

This document covers also gases classified as group H, that are to be transmitted, injected into and from storages, distributed and utilized, as specified in EN 16726. For the requirements and test methods for biomethane at the point of entry into a natural gas network, reference is made to EN 16723-1.

This document can be applied for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437 or for other gases such as carbon dioxide.

Specific requirements for occupational health and safety are excluded from this document. For these, other European and/or international standards, e.g. ISO 45001, apply.

This document specifies common basic principles for gas infrastructure. It is important that users of this document are expected to be aware that more detailed national standards and/or codes of practice exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts).

NOTE CEN/TR 13737 (all parts) contains:

- clarification of relevant legislation/regulations applicable in a country;

- if appropriate, more restrictive national requirements;

- national contact points for the latest information.

Keel: en
Alusdokumendid: EN 17649:2022/prA1
Muudab dokumenti: EVS-EN 17649:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 15494

Plastics piping systems for industrial applications - Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) - Metric series for specifications for components and the system (ISO/DIS 15494:2025)

ISO 15494:2015 specifies the characteristics and requirements for components such as pipes, fittings, and valves made from one of the following materials intended to be used for thermoplastics piping systems in the field of industrial applications above and below ground:

- polybutene (PB);

- polyethylene (PE);

- polyethylene of raised temperature resistance (PE-RT);

- crosslinked polyethylene (PE-X);

- polypropylene (PP).

NOTE 1 Requirements for industrial valves are given in this International Standard and/or in other standards. Valves are to be used with components conforming to this International Standard provided that they conform additionally to the relevant requirements of this International Standard.

This International Standard is applicable to either PB, PE, PE-RT, PE-X, or PP pipes, fittings, valves, and their joints and to joints with components of other plastics and non-plastic materials, depending on their suitability, intended to be used for the conveyance of liquid and gaseous fluids as well as solid matter in fluids for industrial applications such as the following:

- chemical plants;

- industrial sewerage engineering;

- power engineering (cooling and general purpose water);

- mining;
- electroplating and pickling plants;
- semiconductor industry;
- agricultural production plants;
- fire fighting;
- water treatment;
- geothermal.

NOTE 2 Where relevant, national regulations (e.g. water treatment) are applicable.

Other application areas are permitted if the requirements of this International Standard and/or applicable national requirements are fulfilled.

National regulations in respect of fire behaviour and explosion risk are applicable.

The components have to withstand the mechanical, thermal, and chemical demands to be expected and have to be resistant to the fluids to be conveyed.

Keel: en
Alusdokumendid: ISO/DIS 15494; prEN ISO 15494
Asendab dokumenti: EVS-EN ISO 15494:2018
Asendab dokumenti: EVS-EN ISO 15494:2018/A1:2020
Asendab dokumenti: EVS-EN ISO 15494:2018+A1:2020

Arvamusküsitluse lõppkuupäev: 14.08.2025

25 TOOTMISTEHNOLOOGIA

FprEN IEC 62841-2-16:2024/prA1:2025

Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-16: Particular requirements for hand-held fastener driving tools

Amendment to prEN IEC 62841-2-16

Keel: en
Alusdokumendid: 116/897/CDV; FprEN IEC 62841-2-16:2024/prA1:2025
Muudab dokumenti: prEN IEC 62841-2-16:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 12814-6

Testing of welded joints of thermoplastics semi-finished products - Part 6: Low temperature tensile test

This document specifies the dimensions, the method of sampling and the preparation of the test specimens, also the conditions for performing the low temperature tensile test perpendicular to the weld in order to determine the low temperature tensile welding factor.

A low temperature tensile test can be used in conjunction with other tests (e.g. bend, tensile creep, macro) to assess the performance of welded assemblies, made from thermoplastics materials.

The low temperature tensile welding factor and the appearance of the fracture surface provide a guide regarding the ductility of the joint and the quality of the work.

The test is applicable to co-axial or co-planar welded assemblies made from thermoplastics materials filled or unfilled, but not reinforced, irrespective of the welding process used.

The test is not applicable for co-axial welded assemblies of an external diameter less than 20 mm.

Keel: en
Alusdokumendid: prEN 12814-6
Asendab dokumenti: EVS-EN 12814-6:2000

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 13100-3

Non destructive testing of welded joints in thermoplastics semifinished products - Part 3: Ultrasonic testing

This document specifies methods for the manual ultrasonic examination of heated tool, electrofusion, extrusion and hot gas joints in plastics materials. It applies to joints in single wall pipes and plates. The range of thicknesses covered is from 10 mm to 100 mm.

This document does not specify acceptance levels of the indications.

Keel: en
Alusdokumendid: prEN 13100-3
Asendab dokumenti: EVS-EN 13100-3:2005

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 6789-1

Assembly tools for screws and nuts - Hand torque tools - Part 1: Requirements and methods for design conformance testing and quality conformance testing: minimum requirements for declaration of conformance (ISO/DIS 6789-1:2025)

This document specifies the conformance testing and marking requirements for hand torque tools used for controlled tightening of screws and nuts. It also specifies the minimum requirements for a manufacturer's declaration of conformance for hand torque tools. This document applies to hand torque tools which are classified as indicating torque tools (Type I) and setting torque tools (Type II). NOTE Hand torque tools covered by this document are those identified in ISO 1703:2018 by reference numbers 7 1 00 01 0 to 7 1 00 14 0 inclusive. Torque limiting hand torque tools do not yet have reference numbers and will not do so until the next revision of ISO 1703 This document does not specify requirements of calibration certificates for hand torque tools. These are described in ISO 6789-2. This document does not specify requirements for verifying the performance of hand torque tools. These are described in ISO 6789-3.

Keel: en
Alusdokumendid: prEN ISO 6789-1; ISO/DIS 6789-1:2025
Asendab dokumenti: EVS-EN ISO 6789-1:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO/ASTM 52951

Additive Manufacturing - Data - Data packages for AM parts (ISO/ASTM DIS 52951:2025)

This document provides the methods, parameter sets and models to develop and utilize a data package for a part created using AM technologies (AM part). This document is scoped to the information requirements associated with workflow of the fabrication of an AM part, from design to acceptance. Peripheral information related to entities such as organization, facility, operator, security, and others is addressed for sake of completeness; but is not the focus of this document and can be defined elsewhere. This document provides the means to develop an organizational or application-specific data package for the communication between and amongst the designer, the manufacturer, and all acceptance authorities, among other potential stakeholders.

This document does not impose a plan of execution to produce an AM part, though a digital thread is provided to establish a referenceable information workflow.

The requirements set forth in this document are based on the fabrication of a part using the PBF-LB/M process. While specific details directly relate to PBF-LB/M, generalized workflow requirements can be related to any AM process.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52951; prEN ISO/ASTM 52951

Arvamusküsitluse lõppkuupäev: 14.08.2025

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN IEC 62920:2025

Photovoltaic power generating systems - EMC requirements and test methods for power conversion equipment

This document specifies electromagnetic compatibility (EMC) requirements for power conversion equipment (PCE) (e.g., DC to DC, DC to AC and AC to DC) for use in photovoltaic (PV) power systems with or without electrical energy storage devices. PCE covered by this document can be grid-interactive, which is termed as a grid connected power converter (GCPC), or stand-alone. It can be supplied by single or multiple photovoltaic modules grouped in various array configurations. The PCE can be intended for use in conjunction with batteries or other forms of energy storage and therefore a uni- or bidirectional. This document covers not only PCE connected to a public low voltage AC mains network or other low voltage AC mains installation, but also PCE connected to a medium or high voltage AC network with or without step-down power transformers. Requirements for the PCE connected to a medium or high voltage AC network are specified in this document. However, some requirements relevant to grid interconnection are addressed with other standards specifying power quality or their own grid codes in some countries.

This document provides test methods and test conditions for PCE at a test site, but not for photovoltaic modules and other balance of system components.

PCE which incorporates radio transmit/receive functions or wireless communication functions (PCE with radio functionality), is included in the scope of this document. However, the emission requirements in this document are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU including their spurious emissions. When compliance with EMC requirements at the test site cannot be shown due to technical reasons of the test site, PCE can be assessed in situ. Clause 7.6 of CISPR 16-2-1 specifies conditions of in situ measurements for conducted emission, and Clause 7.7 of CISPR 16-2-3 for radiated emission. Immunity tests are not required in the case of in situ.

Keel: en
Alusdokumendid: 82/2402/CDV; prEN IEC 62920:2025
Asendab dokumenti: EN 62920:2017/prAB
Asendab dokumenti: EVS-EN 62920:2017
Asendab dokumenti: EVS-EN 62920:2017/A1:2021
Asendab dokumenti: EVS-EN 62920:2017/A11:2020
Asendab dokumenti: EVS-EN 62920:2017+A11+A1:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 13971

Refrigeration systems and heat pumps - Flexible pipe elements, vibration isolators, expansion joints and non-metallic tubes - Requirements and classification (ISO 13971:2012)

This International standard describes requirements, design and installation of flexible pipe elements (e.g., metallic flexible pipe, metallic flexible tube, vibration isolator, expansion joint) and non-metallic tube used in the refrigerant circuits of refrigerating systems and heat pumps.

It also describes the requirements to qualify the tightness and permeability of non-metallic tubes (e.g., plastic) used in evaporating and/or condensing sides of refrigerating systems and heat pumps.

This International standard does not apply to flexible pipes that are only occasionally stressed beyond the elastic limit (e.g., during repair work), or to joints that are free to rotate or hinge.

Keel: en
Alusdokumendid: ISO 13971:2012; prEN ISO 13971

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 16646

Fusion installations - Criteria for the design and operation of confinement and ventilation systems of tritium fusion facilities and fusion fuel handling facilities (ISO 16646:2024)

This document specifies the applicable requirements related to the design and the operation of confinement and ventilation systems for fusion facilities for tritium fuels and tritium fuel handling facilities specific for fusion applications for peaceful purposes using high tritium inventories, as well as for their specialized buildings such as hot cells, examination laboratories, emergency management centres, radioactive waste treatment and storage facilities.

In most countries, a tritium quantity is declared as high for tritium inventories higher than a range of 10 g to 100 g. In the tritium fusion facilities in the scope of this document, the tritium inventory is deemed to be higher than this range for the whole site. This document applies especially to confinement and ventilation systems that ensure the safety function of nuclear facilities involved in nuclear fusion with the goal to protect the workers, the public and the environment from the dissemination of radioactive contamination originating from the operation of these installations, and in particular from airborne tritium contamination with adequate confinement systems.

Keel: en
Alusdokumendid: ISO 16646:2024; prEN ISO 16646

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 21243

Radiation protection - Performance criteria for laboratories performing initial cytogenetic dose assessment of mass casualties in radiological or nuclear emergencies - General principles and application to dicentric assay (ISO 21243:2022)

The purpose of this document is to give an overview of the minimum requirements for performing the dicentric assay with quality control measures using mitogen stimulated peripheral blood lymphocytes for initial assessment of individuals involved in a mass casualty scenario. The dicentric assay is the use of chromosome damage to quickly estimate approximate radiation doses received by individuals in order to supplement the early clinical categorization of casualties.

This document focuses on the organizational and operational aspects of applying the dicentric assay in an initial assessment mode. The technical aspects of the dicentric assay can be found in ISO 19238.

This document is applicable either to an experienced biological dosimetry laboratory working alone or to a network of collaborating laboratories (as defined in Clause 7).

Keel: en
Alusdokumendid: ISO 21243:2022; prEN ISO 21243

Arvamusküsitluse lõppkuupäev: 14.08.2025

29 ELEKTROTEHNIKA

HD 60364-4-43:2023/prAA:2025

Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent

IEC 60364-4-43:2023 provides requirements for: - protection of live conductors, PEN conductors, PEM conductors, and PEL conductors against the harmful effects caused by overcurrent; - coordination of measures for protection against overcurrent. This fourth edition cancels and replaces the third edition published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the standard has been restructured, see Table 1 (Correspondence between IEC 60364-4-43:2008 and this document) below; b) the measure "automatic disconnection of supply" has been designated as the preferred measure for protection against overcurrent; c) all measures except the measure "automatic disconnection of supply" have been transferred into new normative annexes to indicate that these measures are usable in certain applications and under certain restricted conditions only (see Annex A, Annex B and Annex E); d) a new clause "Terms and definitions" has been added; e) new requirements have been added for the protection of the neutral or mid-point conductor (with and without triplen harmonics).

Keel: en
Alusdokumendid: HD 60364-4-43:2023/prAA:2025
Muudab dokumenti: EVS-HD 60364-4-43:2023

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 50562-1:2025

Fixed installations for railway applications - Safety of electric traction power supply systems - Part 1: Generic approach for conventional applications, functions and properties

This document defines the process, protective measures and demonstration of safety in accordance with EN 50126-1:2017 and EN 50126 2:2017 for AC and DC electric traction power supply systems for railways. This document can also be applied to urban rail and trolleybus systems. All these systems can be elevated, at-grade and underground.

This document has two parts:

— prEN 50562 1:2025 establishes the code of practice for conventional applications, functions and properties in electric traction power supply systems.

— prEN 50562 2:2025 supports the implementation of non-conventional applications, functions and properties in electric traction power supply systems.

This document applies to electric traction power supply systems, which are new or are undergoing major changes as defined in the legal framework. For similar technology and similar hazardous scenarios, the safety considerations can be used as a guideline.

This document does not apply to:

— underground mine traction systems,

— cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly or via transformers from the contact line system and are not endangered by the traction power supply system,

— suspended cable cars,

— funicular railways,

— magnetic levitated systems,

This document does not consider aspects like IT-security or protection against any other malevolent acts. It is assumed that those aspects are handled on the overall system level.

NOTE For railways IT-security is covered in CLC/TS 50701. Because of the short life cycles of IT security applications it is advisable to separate IT-security functions from safety functions at least on virtual levels. E.g. the frequent patch processes for updating the IT-security applications is expected to be independent from safety applications.

Keel: en
Alusdokumendid: prEN 50562-1:2025
Asendab osaliselt dokumenti: EVS-EN 50562:2018

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 50562-2:2025

Fixed installations for railway applications - Safety of electric traction power supply systems - Part 2: Generic approach for non-conventional applications, functions and properties

This document defines the process, protective measures and demonstration of safety in accordance with prEN 50126-1:2017 and prEN 50126-2:2017 for AC and DC electric traction power supply systems for railways. This document can also be applied to urban rail and trolleybus systems. All these systems can be elevated, at-grade and underground.

This document has two parts:

This document supports the implementation of non-conventional applications, functions and properties in electric traction power supply systems that remain after the application of prEN 50562 1:2025.

NOTE EN 50562 1 establishes the code of practice for conventional applications, functions and properties in electric traction power supply systems.

This document applies to electric traction power supply systems, which are new or are undergoing major changes as defined in the legal framework. For similar technology and similar hazardous scenarios, the safety considerations can be used as a guideline.

This document does not apply to:

— underground mine traction systems,

— cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly or via transformers from the contact line system and are not endangered by the traction power supply system,

— suspended cable cars,

— funicular railways,

— magnetic levitated systems,

This document does not consider aspects like IT-security or protection against other malevolent acts etc. It is assumed that those aspects are handled on the overall system level.

NOTE For railways IT-security is covered in CLC/TS 50701. Because of the short life cycles of IT-security applications it is advisable to separate IT-security functions from safety functions at least on virtual levels. E.g. the frequent patch processes for updating the IT-security applications is expected to be independent from Safety applications.

Keel: en
Alusdokumendid: prEN 50562-2:2025
Asendab dokumenti: EVS-EN 50562:2018

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 60079-1:2025

Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

This part of IEC 60079 contains specific requirements for the construction and testing of Ex Equipment and Ex Components with the Type of Protection flameproof enclosure “d”, intended for use in explosive gas atmospheres.

This document supplements and modifies the general requirements of IEC 60079-0. Where a requirement of this document conflicts with a requirement of IEC 60079-0, the requirement of this document takes precedence.

Keel: en
Alusdokumendid: 31/1866/CDV; prEN IEC 60079-1:2025
Asendab dokumenti: EVS-EN 60079-1:2014
Asendab dokumenti: EVS-EN 60079-1:2014/A11:2024
Asendab dokumenti: EVS-EN 60079-1:2014/AC:2018
Asendab dokumenti: EVS-EN 60079-1:2014+A11:2024

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 61643-361:2025

Low-voltage surge protective components - Part 361: Surge isolation transformers (SITs) connected to low-voltage distribution system - Requirements and test methods

This part of IEC 61643 applies to surge isolation transformers (SITs) dedicated to surge mitigation and for connection to 50/60 Hz power circuits and equipment rated up to 1 000V rms.

This document covers the surge and mitigation performance of SITs with an impulse withstand voltage performance at least 30 kV, and provides standard methods for testing and rating.

This document covers surge-related parameters but does not address typical transformer tests and parameters covered by the IEC 61558 series. This document also does not cover SIT operation under differential mode lightning surge conditions.

Keel: en
Alusdokumendid: 37B/252/CDV; prEN IEC 61643-361:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 61803:2025

Determination of power losses in high-voltage direct current (HVDC) converter stations

This document applies to all high-voltage direct current (HVDC) converter stations with line-commutated converters (LCC) as well with voltage-sourced converters (VSC) used for power exchange (power transmission or back-to-back installation) in utility systems. For line-commutated converters (LCC) this document presumes the use of 12-pulse thyristor converters, but can with due care, also be used for 6-pulse thyristor converters.

Where VSC is referred to in this document, it is assumed to be of the MMC-type or similar, with very low harmonic generation. Other types of VSC HVDC should be treated as appropriate.

In some applications, synchronous compensators, static var compensators (SVC), or static synchronous compensator (STATCOM) may be connected to the AC bus of the HVDC converter station.

The loss determination procedures for such equipment are not included in this document.

This document presents a set of standard procedures for determining the total losses of an HVDC converter station, except for VSC valves which are covered by IEC 62751. The procedures cover all parts, except as noted above, and address no-load operation and operating losses together with their methods of calculation which use, wherever possible, measured parameters. Converter station designs employing novel components or circuit configurations compared to the typical design assumed in this document, or designs equipped with unusual auxiliary circuits that could affect the losses, are assessed on their own merits.

Keel: en
Alusdokumendid: 22F/821/CDV; prEN IEC 61803:2025
Asendab dokumenti: EVS-EN IEC 61803:2020

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 62386-225:2025

Digital addressable lighting interface - Part 225: Particular requirements for control gear - Adaptive emergency escape lighting (device type 24)

This part of IEC 62386 is applicable to control gear for emergency lighting applications with additional functionality supporting adaptive emergency escape lighting. This document builds on the digital addressable lighting interface as specified in the IEC 62386 series

This document is applicable to control gear complying with IEC 62386-102 when combined with either IEC 62386-202 or IEC 62386-220.

Keel: en
Alusdokumendid: 34/1317/CDV; prEN IEC 62386-225:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 62680-1-2:2025

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification

This specification is intended as an extension to the existing [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] platforms, devices and cable assemblies.

Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, illustrates possible design implementation.

Keel: en
Alusdokumendid: 100/4327/CDV; prEN IEC 62680-1-2:2025
Asendab dokumenti: EVS-EN IEC 62680-1-2:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 63418:2025

Fixed accessories intended for household and similar purposes that supply power through an interface

This document applies to fixed accessories designed to supply power at Extra Low Voltage through a USB port connected to a fixed installation not exceeding 250 V AC or to an extra low voltage DC local / private distribution network not exceeding 60 V, intended for household and similar purposes, either indoors or outdoors.

This document covers only those requirements for mounting boxes which are necessary for the tests on the accessory.

NOTE 1 Requirements for general purpose mounting boxes are given in IEC 60670-1.

This document defines the safety and EMC requirements for accessories that supply power through an interface.

Specifications, performance or dimensional requirements of the USB technology are not covered by this standard; these are defined in the relevant part(s) of IEC 62680.

NOTE 2 Requirements concerning wireless interface are under consideration.

The document does not apply to:

– Socket-outlets incorporating USB power supply, covered by IEC 60884-3-1;

– Transformers, reactors, power supply units and combinations thereof, covered by IEC 61558 series;

– Power electronic converter systems and equipment covered by IEC 62477-1;

– Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks covered by IEC 61980 series;

– Electric Vehicles conductive power supply system covered by IEC 61851 series;

– Appliance couplers for household and similar general purposes covered by IEC 60320 series;

– DC plugs and socket-outlets systems covered by IEC / TR 62735 series;

– Luminaires couplers covered by IEC 61995 series;

– Equipment in the field of audio/video and similar technology, information technology and communication technology covered by IEC 62368 series.

– Power supply using communication cabling such as PoE.

Accessories complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average temperature over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of −5 °C.

This document gives additional requirements for accessories provided with insulation-piercing terminals, see C (normative).

Keel: en
Alusdokumendid: 23B/1572/CDV; prEN IEC 63418:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 63522-46:2025

Electrical relays - Tests and measurements - Part 46: Impulse voltage test

This part of IEC 63522 is used for testing all kind of relays within the scope of technical committee 94 and shall evaluate their ability to perform under expected conditions of transportation, storage and all aspects of operational use.

The object of this test is to define a standard test method for impulse voltage test.

Note : Requirement for surge immunity related to electromagnetic capability (EMC) is covered by IEC 63522-42

Keel: en

Alusdokumendid: 94/1150/CDV; prEN IEC 63522-46:2024

Arvamusküsitluse lõppkuupäev: 15.07.2025

31 ELEKTROONIKA

EN IEC 60601-2-22:2020/prAA:2025

Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment

The amendment to EN IEC 60601-2-22:2020 contains the Annexes ZA (Normative references to international publications with their corresponding European publications) and ZZ (Relationship between this European standard and the General Safety and Performance Requirements of Regulation (EU) 2017/745 aimed to be covered).

These two Annexes are necessary for the harmonization of the standard to the Regulation (EU) 2017/745.

Keel: en
Alusdokumendid: EN IEC 60601-2-22:2020/prAA:2025
Muudab dokumenti: EVS-EN IEC 60601-2-22:2020

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 63287-4:2025

Semiconductor devices - Guidelines for reliability qualification plans - Part 4: Early failure assessment

Amendment to prEN IEC 63287-4:2025

Keel: en
Alusdokumendid: 47/2917/CDV; prEN IEC 63287-4:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

33 SIDETEHNIKA

EN 61300-2-9:2017/prA1:2025

Amendment 1 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock

Amendment to EN 61300-2-9:2017

Keel: en
Alusdokumendid: 86B/5052/CDV; EN 61300-2-9:2017/prA1:2025
Muudab dokumenti: EVS-EN 61300-2-9:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 301 489-50 V2.4.0

**Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard;
Osa 50. Eritingimused kärgühenduse tugijaamale (BS), repiiterile ja lisaseadmetele;
Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;
Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment;
Harmonised Standard for ElectroMagnetic Compatibility**

The present document specifies technical characteristics and methods of measurements in respect of ElectroMagnetic Compatibility (EMC) for the following equipment types:

1) digital cellular base station equipment, including BS with antenna ports and BS without antenna ports;

2) repeaters;

3) associated ancillary equipment.

Including individual and combinations of technologies listed in table 1.

Table 1: Cellular Mobile Communication Technologies

Technology (Air technology); Technology Generation; Standard SET; ETSI Standard
GSM (GSM/EDGE); 2G/3G; IMT-2000 SC (single carrier); ETSI EN 301 502, ETSI TS 137 104, ETSI TS 137 141
CDMA 2000; 3G; CDMA2000 (IMT-MC multi carrier); ETSI EN 301 526, ETSI EN 301 908-5, ETSI EN 301 908-7, ETSI EN 301 449, ETSI EN 302 426
UMTS (UTRA, W-CDMA); 3G; IMT-2000 Direct Spread; ETSI TS 125 104, ETSI TS 125 105, ETSI TS 125 106
LTE (E-UTRA) (see note 1); 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 136 141, ETSI TS 136 106, ETSI TS 136 143
LTE (E-UTRA), AAS (see note 1); 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 137 145-1, ETSI TS 137 145-2
MSR (see note 2); 4G; IMT-advanced; ETSI TS 137 104, ETSI TS 137 141
MSR Hybrid AAS (see note 3); 4G; IMT-advanced; ETSI TS 137 105, ETSI TS 137 145-1, ETSI TS 137 145-2
MSR OTA AAS (see note 3); 4G; IMT-advanced; ETSI TS 137 105, ETSI TS 137 145-2

WMAN (OFDMA); 3G; IMT-2000 OFDMA; ETSI EN 301 908-20, ETSI EN 301 908-22 NR (1-C, 1-H) (see note 4); 5G; IMT-advanced; ETSI TS 138 104, ETSI TS 138 141-1, ETSI TS 138 141-2 NR (1-O, 2-O); 5G; IMT-advanced; ETSI TS 138 104, ETSI TS 138 141-2 Standalone NB-IoT; 4G; IMT-2000; ETSI TS 136 104
NOTE 1: Including LAA, in-band NB-IoT or guard band NB-IoT.

NOTE 2: Combination of technologies GSM, W-CDMA, LTE and NR.

NOTE 3: Combination of technologies W-CDMA, LTE and NR.

NOTE 4: Including in-band NB-IoT.

Technical specifications related to conducted emission EMC requirements below 9 kHz on the AC mains port of radio equipment are not included in the present document.

NOTE 1: Such technical specifications are normally found in the relevant product family standards for AC mains powered equipment (e.g. EN 61000-3-2 and EN 61000-3-3).

Technical specifications related to the antenna port and emissions from the enclosure port of Base Station (BS), combinations of radio and associated ancillary equipment or repeaters are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum. ETSI 8 Draft ETSI EN 301 489-50 V2.4.0 (2025-06)

The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1, except for any special conditions included in the present document.

NOTE 2: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 301 489-50 V2.4.0

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 302 065-3-3 V0.2.3

Lähitoimeseadmed (SRD), mis kasutavad ultralairiba (UWB) tehnoloogiat; Raadiospektrile juurdepääsu harmoneeritud standard; Osa 3. Nõuded maantee- ja raudteesõidukite UWB seadmetele; Jagu 3. Nõuded UWB raadiotuvastuse rakendustele, mis töötavad sagedusvahemikus 6,0 GHz kuni 8,5 GHz
Short Range Devices (SRD) using Ultra Wide Band technology (UWB); Harmonised standard for access to radio spectrum; Part 3: UWB devices installed in motor and railway vehicles; Sub-part 3: Requirements for UWB radiodetermination applications operating within 6,0 GHz to 8,5 GHz

The present document specifies technical requirements, limits and test methods for UWB devices installed in motor and railway vehicles in the frequency range 6,0 GHz to 8,5 GHz, used for UWB radiodetermination applications.

The present document covers only monostatic radar equipment.

Further details of the covered UWB radiodetermination equipment installed in motor and railway vehicles and the related EUT categories can be found in clause 4.2 of the present document.

NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 302 065-3-3 V0.2.3

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 60940:2025

Application of capacitors, resistors, inductors and complete filter units for electromagnetic interference suppression - General rules and safety requirements

This document establishes general rules and safety requirements on the application of capacitors, resistors, inductors, and complete filter units for electromagnetic interference suppression which will be connected to an AC mains or other supply (DC or AC) with a nominal voltage not exceeding 1000 V AC having a nominal frequency not exceeding 400 Hz, or 1500 V DC.

It should facilitate drafters of product safety standards and other stakeholders such as designers, manufacturers, service providers, policy makers and regulators to consider safety aspects for the intended use and the reasonably foreseeable misuse of these components in its products and systems and apply risk reduction measures to achieve a tolerable risk level.

Keel: en
Alusdokumendid: 40/3221/CDV; prEN IEC 60940:2025
Asendab dokumenti: EVS-EN 60940:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 61290-1-2:2025

Optical amplifiers - Test methods - Part 1-2: Power and gain parameters - Electrical spectrum analyzer method

This part of IEC 61290 applies to all commercially available optical amplifiers (OAs) and optically amplified sub-systems. It applies to OAs using optically pumped fibres (OFAs based on either rare-earth doped fibres or on the Raman effect), semiconductors (SOAs), and planar optical waveguides (POWAs). This document does not apply to polarization-maintaining optical amplifiers.

The object of this document is to establish uniform requirements for accurate and reliable measurements, by means of the electrical spectrum analyzer test method, of the following OA parameters, as defined in IEC 61291-1, Clause 3:

a) nominal output signal power;

b) gain;

c) reverse gain;

d) maximum gain;

e) polarization-dependent gain.

In addition, this test method provides a means for measuring the following parameters:

– maximum gain wavelength;

– gain wavelength band.

The object of this document is specifically directed to single-channel amplifiers. For multichannel amplifiers, the IEC 61290-10 series applies.

NOTE 1 The applicability of the test methods described in this document to distributed Raman amplifiers is for further study.

NOTE 2 A test method for polarization-maintaining optical amplifiers is for further study.

Keel: en
Alusdokumendid: 86C/1973/CDV; prEN IEC 61290-1-2:2025
Asendab dokumenti: EVS-EN 61290-1-2:2006

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 61300-2-33:2025

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-33: Tests - Assembly and disassembly of fibre optic mechanical splices, fibre management systems and protective housings

This part of IEC 61300, evaluates the assembly and disassembly of a fibre optic mechanical splice, a fibre management system, a protective housing or a hardend connector for a specified number of times.

The test procedures simulate the following conditions which can be found in the component service lifetime:

- the ability of an optical mechanical splice to be re-installed after disassembly;

- the ability to re-enter fibre management systems and protective housings, accessing fibres and optical components and making reconfigurations without disturbing transmission in adjacent fibre circuits;

- verification of the sealing performance after frequent opening and closing of the protective housing;

- verification of the sealing performance after frequent mating and demating of the hardened connector

Keel: en
Alusdokumendid: 86B/5053/CDV; prEN IEC 61300-2-33:2025
Asendab dokumenti: EVS-EN 61300-2-33:2012

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 61757-1-4:2025

Fibre optic sensors - Part 1-4: Strain measurement - Distributed sensing based on Rayleigh scattering

This part of IEC 61757 defines the terminology, structure, and measurement methods of distributed fibre optic sensors for absolute strain measurements based on spectral correlation analysis of Rayleigh backscattering signatures in single-mode fibres, where the fibre is the distributed strain measurement element in a measurement range from about 10 m to tens of km.

The document is also applicable to hybrid sensor systems that combine the advantages of Brillouin and Rayleigh backscattering effects to obtain optimal measurement quality.

This document also specifies the most important features and performance parameters of these distributed fibre optic strain sensors and defines procedures for measuring these features and parameters.

This part of IEC 61757 does not apply to point measurements or to dynamic strain measurements. Distributed strain measurements using Brillouin scattering in single-mode fibres are covered in IEC 61757-1-2.

The most relevant applications of this strain measurement technique are listed in informative Annex A, while informative Annex B provides a short description of the underlying measurement principle.

Keel: en
Alusdokumendid: 86C/1972/CDV; prEN IEC 61757-1-4:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 62680-1-2:2025

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification

This specification is intended as an extension to the existing [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] platforms, devices and cable assemblies.

Normative information is provided to allow interoperability of components designed to this specification.

Informative information, when provided, illustrates possible design implementation.

Keel: en
Alusdokumendid: 100/4327/CDV; prEN IEC 62680-1-2:2025
Asendab dokumenti: EVS-EN IEC 62680-1-2:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 62680-1-3:2025

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB type-c® cable and connector specification

This speci ication is intended as a supplement to the existing USB 2.0, USB 3.2, USB4® and USB Power Delivery speci ications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables.

Normative information is provided to allow interoperability of components designed to this speci ication.

Informative information, when provided, may illustrate possible design implementations.

Keel: en
Alusdokumendid: 100/4332/CDV; prEN IEC 62680-1-3:2025
Asendab dokumenti: EVS-EN IEC 62680-1-3:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

35 INFOTEHNOLOOGIA

prEN IEC 62680-1-2:2025

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB power delivery specification

This specification is intended as an extension to the existing [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] specifications. It addresses only the elements required to implement USB Power Delivery. It is targeted at power supply vendors, manufacturers of [USB 2.0], [USB 3.2], [USB Type-C 2.4] and [USBBC 1.2] platforms, devices and cable assemblies.

Normative information is provided to allow interoperability of components designed to this specification.

Informative information, when provided, illustrates possible design implementation.

Keel: en
Alusdokumendid: 100/4327/CDV; prEN IEC 62680-1-2:2025
Asendab dokumenti: EVS-EN IEC 62680-1-2:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 62680-1-3:2025

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB type-c® cable and connector specification

This speci ication is intended as a supplement to the existing USB 2.0, USB 3.2, USB4® and USB Power Delivery speci ications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables.

Normative information is provided to allow interoperability of components designed to this speci ication.

Informative information, when provided, may illustrate possible design implementations.

Keel: en
Alusdokumendid: 100/4332/CDV; prEN IEC 62680-1-3:2025
Asendab dokumenti: EVS-EN IEC 62680-1-3:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO/IEC 19788-1

Information technology for learning, education and training - Metadata for learning resources - Part 1: Framework (ISO/IEC 19788-1:2024)

This document provides a framework that applies to all resources and specifies how to describe resources. It includes rules governing the way in which descriptions are made.

This document provides principles, rules and structures for specifying the description of any type of resource; it identifies and establishes attributes for specifying properties, resources classes, vocabularies and application profiles and the rules governing their use. The key principles set out in this document are framed in a user-centric context and aim to meet the requirements of multilingual and cultural adaptability from a global perspective.

This document can be used for the specification of metadata describing any type of resource (not only learning resources). This document is information-technology-neutral and defines a set of common approaches.

This document specifies generic properties, generic resource classes and predefined rule sets for content value rules. These generic elements are proposed in such a way that they can be widely reused, thereby promoting interoperability.

This document is applicable to the development of:

— application profiles based on the ISO/IEC 19788 series but not part of it or any other document based on it,

— standards consisting of the description of resources (in a broad sense), whether they belong to the domain of education or to any other domain.

Keel: en
Alusdokumendid: ISO/IEC 19788-1:2024; prEN ISO/IEC 19788-1

Arvamusküsitluse lõppkuupäev: 14.08.2025

43 MAANTEESÕIDUKITE EHITUS

prEN 1501-1

Refuse collection vehicles - General requirements and safety requirements - Part 1: Rear loaded refuse collection vehicles

This document applies to rear loaded refuse collection vehicles (RCV), as defined in 3.2, regardless of the power drive. This document deals with all significant hazards, hazardous situations and events relevant to the rear loaded RCV, when it is used as intended and under conditions of misuse which are reasonably foreseeable, throughout its foreseeable lifetime, as defined in Clause 4.

This document is applicable to the design and construction of the rear loaded RCV so as to ensure that it is fit for its intended function and can be operated, cleaned (including unblocking), adjusted and maintained during its entire lifetime. It is not applicable to the end of life of the rear loaded RCV.

This document describes and defines the safety requirements of rear loaded RCVs excluding the interface tailgate/discharge door with the lifting device(s) and the lifting device(s) itself and excluding loader cranes, which could be mounted on the RCV.

Lifting device(s) and the interface with the tailgate/discharge door are covered in EN 1501-5:202X.

Loader cranes are covered in EN 12999:2020+A1:2025 and those installed on RCVs are covered in EN 1501-5:202X.

This document also applies to compactors, operated on a truck for collecting purposes.

This document is not applicable to:

- operation in severe conditions, e.g. extreme environmental conditions such as:
- below −20 °C and above +40 °C temperatures;
- tropical environment;
- wind velocity in excess of 75 km/h;
- contaminating environment;
- corrosive environment;
- operation in potentially explosive atmospheres;
- handling of loads the nature of which could lead to dangerous situations (e.g. hot refuses, acids and bases,

adioactive materials, contaminated refuse, especially fragile loads, explosives);

- operation on ships.

This document is not applicable to machinery which is manufactured before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: prEN 1501-1
Asendab dokumenti: EVS-EN 1501-1:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1501-2

Refuse collection vehicles - General requirements and safety requirements - Part 2: Side loaded refuse collection vehicles

This document applies to side loaded refuse collection vehicle (RCV), as defined in 3.2, regardless of the power drive. This document deals with all significant hazards, hazardous situations and events relevant to the side loaded RCV, when it is used as intended and under conditions of misuse which are reasonably foreseeable, throughout its foreseeable lifetime, as defined in Clause 4.

This document is applicable to the design and construction of the side loaded RCV so as to ensure that it is fit for its intended function and can be operated, cleaned (including unblocking), adjusted and maintained during its entire lifetime. It is not applicable to the end of life of the side loaded RCV.

This document describes and defines the safety requirements of side loaded RCV excluding the interface with the lifting device(s) and excluding the lifting device itself and excluding loader cranes, which could be mounted on the RCV.

Lifting device(s) including the loader cranes and the interface to the RCV are covered in EN 1501-5:202X.

Loader cranes are covered in EN 12999:2020+A1:2025 and those installed on RCVs are covered in EN 1501-5:202X.

This document also applies to compactors, operated on a truck for collecting purposes.

This document is not applicable to:

- operation in severe conditions, e.g. extreme environmental conditions such as:
- below −20 °C and above +40 °C temperatures;
- tropical environment;
- wind velocity in excess of 75 km/h;
- contaminating environment;
- corrosive environment;
- operation in potentially explosive atmospheres;
- handling of loads the nature of which could lead to dangerous situations (e.g. hot refuses, acids and bases, radioactive materials, contaminated refuse, especially fragile loads, explosives);
- operation on ships.

This document is not applicable to machinery which is manufactured before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: prEN 1501-2
Asendab dokumenti: EVS-EN 1501-2:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1501-3

Refuse collection vehicles - General requirements and safety requirements - Part 3: Front loaded refuse collection vehicles

This document applies to a front loaded refuse collection vehicle (RCV), as defined in 3.2, regardless of the power drive.

This document deals with all significant hazards, hazardous situations and events relevant to the front loaded RCV, when it is used as intended and under conditions of misuse which are reasonably foreseeable, throughout its foreseeable lifetime, as defined in Clause 4.

This document is applicable to the design and construction of the front loaded RCV so as to ensure that it is fitted for its intended function and can be operated, cleaned (including unblocking), adjusted and maintained during its entire lifetime. It is not applicable to the end of life of the front loaded RCV.

This document describes and defines the safety requirements of the front loaded RCV excluding the interface with the lifting device(s) and excluding the lifting device itself and excluding loader cranes, which could be mounted on the RCV.

Lifting device(s), loader cranes and their interface to the RCV are covered in EN 1501-5:202X.

Loader cranes are covered in EN 12999:2020+A1:2025 and those installed on RCVs are covered in EN 1501-5:202X.

This document also applies to compactors, operated on a truck for collecting purposes.

This document is not applicable to:

- operation in severe conditions, e.g. extreme environmental conditions such as:
- below −20 °C and above +40 °C temperatures;
- tropical environment;
- wind velocity in excess of 75 km/h;
- contaminating environment;
- corrosive environment;
- operation in potentially explosive atmospheres;
- handling of loads the nature of which could lead to dangerous situations (e.g. hot refuses, acids and bases, radioactive materials, contaminated refuse, especially fragile loads, explosives);
- operation on ships.

This document is not applicable to machinery which is manufactured before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: prEN 1501-3
Asendab dokumenti: EVS-EN 1501-3:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1501-5

Refuse collection vehicles - General requirements and safety requirements - Part 5: Lifting devices for refuse collection vehicles

This document deals with all significant hazards, hazardous situations and events relevant to lifting devices used for the emptying of designated refuse containers into RCVs and their fitting onto the RCVs when they are used as intended and under conditions of misuse which are reasonably foreseeable throughout their foreseeable lifetime as defined in Clause 4.

This document is applicable to the design and construction of the refuse container lifting devices and the mounting of other lifting devices so as to ensure that they are fitted for their function and can be operated, adjusted and maintained during their entire lifetime. It is not applicable to the end of life of the lifting devices.

This document describes and gives the safety requirements of the lifting devices for emptying refuse containers and their interfaces with the corresponding parts of the RCVs and will be used in conjunction with EN 1501-1:202X for the rear, side and front loaded RCVs. It refers to EN 1501-4:2023 for the noise test code.

This document is not applicable to:

- operation in severe conditions e.g. extreme environmental conditions such as:
- temperatures below −20 °C and above +40 °C;
- tropical environment;
- wind velocity in excess of 75 km/h;
- contaminating environment;
- corrosive environment;
- operation in potentially explosive atmospheres;
- lifting and transportation of persons;
- emptying refuse containers other than those manufactured according to EN 840:2020 series, EN 12574:2017 series, EN 13071:2019 series, and those described as paladin, diamond, skip containers;
- loading bulky refuse by means of platform or forks;
- handling of loads the nature of which could lead to dangerous situations (e.g. hot refuses, acids and bases, radioactive materials, contaminated refuse, especially fragile loads, explosives);
- operation on ships;
- fitting and operation on stationary compactors.

This document is not applicable to machinery which is manufactured before the date of its publication by CEN.

Keel: en
Alusdokumendid: prEN 1501-5
Asendab dokumenti: EVS-EN 1501-5:2021

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 14505-3

Ergonomics of the thermal environment - Evaluation of thermal environments in vehicles - Part 3: Evaluation of thermal comfort using human subjects (ISO/DIS 14505-3:2025)

ISO 14505-3:2006 gives guidelines and specifies a standard test method for the assessment, using human subjects, of thermal comfort in vehicles. It is not restricted to any particular vehicle but provides the general principles that allow assessment and evaluation. The method can be used to determine a measure of the performance of a vehicle for conditions of interest, in terms of whether it provides thermal comfort to people or not. This can be used in vehicle development and evaluation.

ISO 14505-3:2006 is applicable to all types of vehicles, including cars, buses, trucks, off-road vehicles, trains, aircraft, ships, submarines, and to the cabins of cranes and similar spaces. It applies where people are enclosed in a vehicle and when they are exposed to outside conditions. For those exposed to outside conditions, such as riders of bicycles or motorcycles, drivers of open sports cars and operators of fork lift trucks without cabins, vehicle speed and weather conditions can dominate responses.

The principles of assessment, however, will still apply.

ISO 14505-3:2006 applies to both passengers and operators of vehicles where its application does not interfere with the safe operation of the vehicle.

Keel: en
Alusdokumendid: ISO/DIS 14505-3; prEN ISO 14505-3
Asendab dokumenti: EVS-EN ISO 14505-3:2006

Arvamusküsitluse lõppkuupäev: 14.08.2025

45 RAUDTEETEHNIKA

prEN IEC 62590-3-2:2025

Railway applications - Electronic power converters for fixed installations - Part 3-2: AC traction applications - Static frequency converter

This document specifies characteristics, requirements, and test methods for static frequency converters for AC electric traction power supply systems and railway transmission networks.

Static frequency converters connect a 3AC power network with an AC electric traction power supply system or railway transmission network with a bidirectional load flow.

The main purpose of the SFC is:

• to establish an active power transfer between a 3AC and an AC system, where both systems can operate independently or with a fixed frequency ratio

• to support the voltage of the 1AC system

• optionally to support the voltage of the 3AC system

• to implement various network control strategies by controlling the phase angle and amplitude of both voltages

• to draw a balanced load from the 3AC system

This document applies to fixed installations of following AC electric traction power supply systems:

• railway networks,

• metropolitan transport networks including metros.

This document does not apply to:

• magnetic levitated transport systems.

Keel: en
Alusdokumendid: 9/3215/CDV; prEN IEC 62590-3-2:2025

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN IEC 63593:2025

Railway applications - Rolling stock - Specification and verification of energy consumption

This document is applicable to rolling stock energy consumption specification and verification and establishes a methodology for the calculation of energy consumption which can be used to determine the total net energy consumed from a primary power source (e.g. at current collector or from the fuel tank), over a predefined service profile. It gives guidance to rolling stock procurement and life cycle cost (LCC) assessments.

This document specifies the methodology for simulation and measurement of energy consumed and regenerated by rolling stock. The results obtained from this methodology can be directly compared to, or be representative of, the operation of a train.

This document establishes a framework on the generation of common, comparable energy performance values for rolling stock which supports the benchmarking and improvement of the energy efficiency of rolling stock.

This document, as a whole or in part, applies to all railway vehicles except coal-powered vehicles, special purpose vehicles (e.g. shunting locomotives, vehicles for track construction and maintenance) and magnetically supported vehicles.

This document does not apply to the comparison of energy consumption with other modes of transportation, or comparison between diesel and electric traction; it applies only to the energy consumption of rolling stock itself.

Keel: en
Alusdokumendid: 9/3216/CDV; prEN IEC 63593:2025
Asendab dokumenti: EVS-EN 50591:2019

Arvamusküsitluse lõppkuupäev: 14.08.2025

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3475-805

Aerospace series – Cables, electrical, aircraft use - Test methods - Part 805: Characteristic impedance

This document specifies methods for measuring the characteristic impedance of a cable

Keel: en
Alusdokumendid: prEN 3475-805
Asendab dokumenti: EVS-EN 3475-805:2002

Arvamusküsitluse lõppkuupäev: 15.07.2025

prEN 4880

Aerospace series - General technical specification for standard parts

This document specifies the minimum requirements for the qualification, acceptance, delivery and inspection of standard parts by the aerospace industry and its manufacturers.

This document is valid for standard parts and their assemblies as described in a product standard, if mentioned therein. This specification can also be applied to other parts when specifically invoked by the terms of delivery.

Parts/sections of this document are not applicable in cases where the product standard stipulates requirements that differ from this specification.

Keel: en
Alusdokumendid: prEN 4880
Asendab dokumenti: EVS-EN 4880:2023

Arvamusküsitluse lõppkuupäev: 14.08.2025

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 25712

Chemicals for the leather tanning industry - Determination of the total content of melamine (ISO/DIS 25712:2025)

This document specifies a method for the determination of melamine in chemicals used in the tanning industry

Keel: en
Alusdokumendid: ISO/DIS 25712; prEN ISO 25712

Arvamusküsitluse lõppkuupäev: 14.08.2025

67 TOIDUAINETE TEHNOLOOGIA

prEN ISO 10565

Oilseeds - Simultaneous determination of oil and water contents - Method using pulsed nuclear magnetic resonance spectrometry (ISO/DIS 10565:2025)

This International Standard specifies a rapid method for the determination of the oil and water contents of commercial oilseeds using pulsed nuclear magnetic resonance (NMR). It is applicable to rapeseeds, soya beans, linseeds and sunflower seeds with a water content less than 10 %. For seeds with higher water contents, drying is necessary before the oil content can be determined by pulsed NMR. NOTE 1 This method has been tested with rapeseeds, soya beans, linseeds and sunflower seeds. This does not, however, preclude its applicability to other commercial seeds whose oil is liquid at the temperature of measurement. NOTE 2 The reproducibility values are generally higher than those obtained by the drying method (ISO 665)

Keel: en
Alusdokumendid: ISO/DIS 10565; prEN ISO 10565
Asendab dokumenti: EVS-EN ISO 10565:2000

Arvamusküsitluse lõppkuupäev: 14.08.2025

73 MÄENDUS JA MAAVARAD

prEVS-ISO 29541

Kivisüsi ja koks. Üldsüsiniku, vesiniku ja lämmastiku määramine. Instrumentaalne meetod
Coal and coke. Determination of total carbon, hydrogen and nitrogen. Instrumental method (ISO 29541:2025, identical)

See dokument kirjeldab instrumentaalset meetodit üldsüsiniku, vesiniku ja lämmastiku määramiseks söes ja koksis. MÄRKUS See dokument on valideeritud ainult kivisöe jaoks vastavalt standardi ISO 5725-1 põhimõtetele. Laboritevahelises uuringus (ILS) täpsusandmete määramiseks kasutatud proovide komplekt ei sisaldanud koksi ja seetõttu ei ole koksi täpsuspiiride kehtestamiseks piisavalt andmeid.

Keel: en
Alusdokumendid: ISO 29541:2025
Asendab dokumenti: EVS-ISO 29541:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

75 NAFTA JA NAFTATEHNOLOOGIA

EN 1594:2024/prA1

Gas infrastructure - Pipelines for maximum operating pressure over 16 bar - Functional requirements

This document describes the functional requirements for pipelines for maximum operating pressure over 16 bar. This document also describes the mechanical requirements for pipework in stations with a maximum operating pressure greater than 16 bar.

NOTE 1 Welding requirements are described in EN 12732. Functional requirements for stations are given in EN 1776, EN 1918-5, EN 12186, and EN 12583.

This document is applicable for transporting gas via onshore high-pressure steel pipeline infrastructures, where the following applies:

- onshore:
- from the point where the pipeline first crosses what is normally accepted as battery limit between onshore and offshore, and that is not located within commercial or industrial premises as an integral part of the industrial process on these premises except for any pipelines and facilities supplying such premises;
- pipeline system with a starting point onshore, also when parts of the pipeline system on the mainland subsequently cross fjords, lakes, etc.
- high pressure: gas with a maximum operating pressure over 16 bar and a design temperature between −40 °C and 120 °C.
- steel pipeline infrastructure: infrastructure consisting of pipeline components, such as pipes, valves, couplings and other equipment, restricted to components made of unalloyed or low alloyed carbon steel and joined by welds, flanges or mechanical couplings.

- gas: non-corrosive natural gas, biomethane gas, hydrogen gas and mixtures of these gases where technical evaluation has ensured that operating conditions or constituents or properties of the gas do not affect the safe operation of the pipeline.

Gas infrastructures covered by this document begin after the gas producer's metering station.

NOTE 2 The functional demarcation of the pipeline system is usually directly after an isolating valve of the installation, but can differ in particular situations. The functional demarcation of the pipeline system is usually located on an isolating valve of the installation, but can differ in particular situations.

A schematic representation of pipelines for gas infrastructure is given in Figure 1.

This document can also be applied to the repurposing of existing pipelines.

[Figure 1 - Schematic representation of pipelines for gas supply over 16 bar]

This document specifies common basic principles for gas infrastructure. Users of this standard are expected to be aware that more detailed national standards and/or code of practice can exist in the CEN member countries.

This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this standard, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737.

CEN/TR 13737 gives:

- clarification of all legislations/regulations applicable in a member state;
- if appropriate, more restrictive national requirements;
- a national contact point for the latest information.

Keel: en
Alusdokumendid: EN 1594:2024/prA1
Muudab dokumenti: EVS-EN 1594:2024

Arvamusküsitluse lõppkuupäev: 14.08.2025

EN 17649:2022/prA1

Gas infrastructure - Safety Management System (SMS), Pipeline Integrity Management System (PIMS) and Compressor station integrity management system (CIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar.

This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure.

This document is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and gases such as biomethane and hydrogen and to mixtures of these gases with natural gas.

This document covers also gases classified as group H, that are to be transmitted, injected into and from storages, distributed and utilized, as specified in EN 16726. For the requirements and test methods for biomethane at the point of entry into a natural gas network, reference is made to EN 16723-1.

This document can be applied for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437 or for other gases such as carbon dioxide.

Specific requirements for occupational health and safety are excluded from this document. For these, other European and/or international standards, e.g. ISO 45001, apply.

This document specifies common basic principles for gas infrastructure. It is important that users of this document are expected to be aware that more detailed national standards and/or codes of practice exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles.

In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts).

NOTE CEN/TR 13737 (all parts) contains:

- clarification of relevant legislation/regulations applicable in a country;
- if appropriate, more restrictive national requirements;
- national contact points for the latest information.

Keel: en
Alusdokumendid: EN 17649:2022/prA1
Muudab dokumenti: EVS-EN 17649:2022

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1918-1

Gas infrastructure - Underground gas storage - Part 1: Functional recommendations for storage in aquifers

This document covers the functional recommendations for design, construction, testing, commissioning, operation, maintenance and abandonment of underground gas storage (UGS) facilities in aquifers up to and including the wellhead.

It specifies practices, which are safe and environmentally acceptable.

For necessary surface facilities for underground gas storage, EN 1918 5 applies.

In this context “gas” refers to flammable gas:

— which is in a gaseous state at a temperature of 15 °C and under a pressure of 0,1 MPa (the stored product is also named fluid);

— which meets specific quality requirements in order to maintain underground storage integrity, performance, environmental compatibility and fulfils contractual requirements.

This comprises:

— gas not in liquid phase under subsurface conditions;

— methane-rich gases;

— natural gas;

— biomethane;

— synthetic methane;

— hydrogen of various purities;

— any mixtures of the gases above;

— hydrocarbon gas in liquid phase under subsurface conditions such as;

— ethylene;

— liquified petroleum gas (LPG).

NOTE 1 Correspondingly the EN 1918 series can be considered where applicable for underground storage of any other fluid e.g. helium, carbon dioxide, compressed air, rDME (renewable dimethyl ether) and hydrogen transport fluids (such as ammonia and LOHC).

This document is not intended to be applied retrospectively to existing facilities.

NOTE 2 Correspondingly this document can be considered for major conversions in case of significant change of gas composition.

Keel: en
Alusdokumendid: prEN 1918-1
Asendab dokumenti: EVS-EN 1918-1:2016

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1918-2

Gas infrastructure - Underground gas storage - Part 2: Functional recommendations for storage in oil and gas fields

This document covers the functional recommendations for design, construction, testing, commissioning, operation, maintenance and abandonment of underground gas storage (UGS) facilities in oil and gas fields up to and including the wellhead.

It specifies practices which are safe and environmentally acceptable.

For necessary surface facilities for underground gas storage, EN 1918 5 applies.

In this context “gas” refers to flammable gas:

— which is in a gaseous state at a temperature of 15 °C and under a pressure of 0,1 MPa (the stored product is also named fluid);

— which meets specific quality requirements in order to maintain underground storage integrity, performance, environmental compatibility and fulfils contractual requirements.

This comprises:

— gas not in liquid phase under subsurface conditions;

— methane-rich gases;

— natural gas;

— biomethane;

— synthetic methane;

— hydrogen of various purities;

— any mixtures of the gases above;

— hydrocarbon gas in liquid phase under subsurface conditions such as;

— ethylene;

— liquified petroleum gas (LPG).

NOTE 1 Correspondingly the EN 1918 series can be considered where applicable for underground storage of any other fluid e.g. helium, carbon dioxide, compressed air, rDME (renewable dimethyl ether) and hydrogen transport fluids (such as ammonia and LOHC).

This document is not intended to be applied retrospectively to existing facilities.

NOTE 2 Correspondingly this document can be considered for major conversions in case of significant change of gas composition.

Keel: en
Alusdokumendid: prEN 1918-2
Asendab dokumenti: EVS-EN 1918-2:2016

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1918-3

Gas infrastructure - Underground gas storage - Part 3: Functional recommendations for storage in solution-mined salt caverns

This document covers the functional recommendations for design, construction, testing, commissioning, operation, maintenance and abandonment of underground gas storage (UGS) facilities in solution-mined salt caverns up to and including the wellhead.

It specifies practices which are safe and environmentally acceptable.

For necessary surface facilities for underground gas storage, EN 1918 5 applies.

In this context “gas” refers to flammable gas:

— which is in a gaseous state at a temperature of 15 °C and under a pressure of 0,1 MPa (the stored product is also named fluid);

— which meets specific quality requirements in order to maintain underground storage integrity, performance, environmental compatibility and fulfils contractual requirements.

This comprises:

— gas not in liquid phase under subsurface conditions;

— methane-rich gases;

— natural gas;

— biomethane;

— synthetic methane;

— hydrogen of various purities;

— any mixtures of the gases above;

— hydrocarbon gas in liquid phase under subsurface conditions such as;

— ethylene;

— liquified petroleum gas (LPG).

NOTE 1 Correspondingly the EN 1918 series can be considered where applicable for underground storage of any other fluid e.g. helium, carbon dioxide, compressed air, rDME (renewable dimethyl ether) and hydrogen transport fluids (such as ammonia and LOHC).

This document is not intended to be applied retrospectively to existing facilities.

NOTE 2 Correspondingly this document can be considered for major conversions in case of significant change of gas composition.

Keel: en
Alusdokumendid: prEN 1918-3
Asendab dokumenti: EVS-EN 1918-3:2016

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1918-4

Gas infrastructure - Underground gas storage - Part 4: Functional recommendations for storage in rock caverns

This document covers the functional recommendations for design, construction, testing, commissioning, operation, maintenance and abandonment of underground gas storage (UGS) facilities in mined rock caverns up to and including the wellhead.

This document specifies practices which are safe and environmentally acceptable.

For necessary surface facilities for underground gas storage, EN 1918 5 applies.

In this context, “gas” refers to flammable gas:

— which is in a gaseous state at a temperature of 15 °C and under a pressure of 0,1 MPa (the stored product is also named fluid);

— which meets specific quality requirements in order to maintain underground storage integrity, performance, environmental compatibility and fulfils contractual requirements.

This comprises:

— gas not in liquid phase under subsurface conditions;

— methane-rich gases;

— natural gas;

— biomethane;

— synthetic methane;

— hydrogen of various purities;

— any mixtures of the gases above;

— hydrocarbon gas in liquid phase under subsurface conditions such as;

— ethylene;

— liquified petroleum gas (LPG).

NOTE 1 Correspondingly the EN 1918 series can be considered where applicable for underground storage of any other fluid e.g. helium, carbon dioxide, compressed air, rDME (renewable dimethyl ether) and hydrogen transport fluids (such as ammonia and LOHC).

Gases that are liquid in subsurface conditions are not considered in this document.

This document is not intended to be applied retrospectively to existing facilities.

NOTE 2 Correspondingly this document can be considered for major conversions in case of significant change of gas composition.

Keel: en
Alusdokumendid: prEN 1918-4
Asendab dokumenti: EVS-EN 1918-4:2016

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1918-5

Gas infrastructure - Underground gas storage - Part 5: Functional recommendations for surface facilities

This document covers the functional recommendations for the design, construction, testing, commissioning, operation, maintenance and abandonment of the surface facilities for underground gas storage (UGS), between the wellhead and the connection to the gas grid.

It specifies practices which are safe and environmentally acceptable.

For necessary subsurface facilities for underground storage, the relevant part of EN 1918 1 to EN 1918 4 applies. In this context, “gas” refers to flammable gas:

— which is in a gaseous state at a temperature of 15 °C and under a pressure of 0,1 MPa. The stored product is also named fluid.

— which meets specific quality requirements in order to maintain underground storage integrity, performance, environmental compatibility and fulfils contractual requirements.

This comprises:

— gas not in liquid phase under subsurface conditions:

— methane-rich gases;

— natural gas;

— biomethane;

— synthetic methane;

— hydrogen of various purities;

— any mixtures of the gases above;

— hydrocarbon gas in liquid phase under subsurface conditions such as:

— ethylene;

— liquified petroleum gas (LPG).

NOTE 1 Correspondingly the EN 1918 series can be considered where applicable for underground storage of any other fluid e.g. helium, carbon dioxide, compressed air, rDME (renewable dimethyl ether) and hydrogen transport fluids (such as ammonia and LOHC).

This document is not intended to be applied retrospectively to existing facilities.

NOTE 2 Correspondingly this document can be considered for major conversions in case of significant change of gas composition.

Keel: en
Alusdokumendid: prEN 1918-5
Asendab dokumenti: EVS-EN 1918-5:2016

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 3405

Petroleum and related products from natural or synthetic sources - Determination of distillation characteristics at atmospheric pressure (ISO/DIS 3405:2025)

This document specifies a laboratory method for the determination of the distillation characteristics of light and middle distillates derived from petroleum and related products of synthetic or biological origin with initial boiling points above 0 °C and end-points below approximately 400 °C, utilizing either manual or automated equipment. Light distillates are typically automotive engine

petrol, automotive engine ethanol fuel blends with up to 85 % (V/V) ethanol, and aviation petrol. Middle distillates are typically aviation turbine fuel, kerosene, diesel, diesel with up to 30 % (V/V) FAME, burner fuel, and marine fuels that have no appreciable quantities of residua.

NOTE For the purposes of this document, the term "% (V/V)" is used to represent the volume fraction of a material.

The distillation (volatility) characteristics of hydrocarbons and related products of synthetic or biological origin have an important effect on their safety and performance, especially in the case of fuels and solvents. The boiling range gives important information on composition and behaviour during storage and use, and the rate of evaporation is an important factor in the application of many solvents. Limiting values to specified distillation characteristics are applied to most distillate petroleum product and liquid fuel specifications in order to control end-use performance and to regulate the formation of vapours which may form explosive mixtures with air, or otherwise escape into the atmosphere as emissions (VOC).

Keel: en
Alusdokumendid: ISO/DIS 3405; prEN ISO 3405
Asendab dokumenti: EVS-EN ISO 3405:2019

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS-ISO 29541

Kivisüsi ja koks. Üldsüsiniku, vesiniku ja lämmastiku määramine. Instrumentaalne meetod
Coal and coke. Determination of total carbon, hydrogen and nitrogen. Instrumental method (ISO 29541:2025, identical)

See dokument kirjeldab instrumentaalset meetodit üldsüsiniku, vesiniku ja lämmastiku määramiseks söes ja koksis.

MÄRKUS See dokument on valideeritud ainult kivisöe jaoks vastavalt standardi ISO 5725-1 põhimõtetele. Laboritevahelises uuringus (ILS) täpsusandmete määramiseks kasutatud proovide komplekt ei sisaldanud koksi ja seetõttu ei ole koksi täpsuspiiride kehtestamiseks piisavalt andmeid.

Keel: en
Alusdokumendid: ISO 29541:2025
Asendab dokumenti: EVS-ISO 29541:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEVS-ISO 6583

Metanool laevakütusena merenduses. Üldised nõuded ja spetsifikatsioonid
Methanol as a fuel for marine applications — General requirements and specifications (ISO 6583:2024, identical)

See dokument määratleb üldised nõuded ja spetsifikatsioonid metanoolile, mis pärineb kõikidest tootmisvormidest ja mida kasutatakse kütusena laeva diiselmootorites, kütuseelementides ja muudes merendusrakendustes valduse üleandmise hetkel enne mis tahes nõutavat töötlemist pardal. Käesoleva dokumendi spetsifikatsioone saab kohaldada ka metanoolile, mida kasutatakse kütusena maismaarakendustes, mis on samad või sarnased merendusrakendustega.

Keel: en
Alusdokumendid: ISO 6583:2024

Arvamusküsitluse lõppkuupäev: 14.08.2025

77 METALLURGIA

prEN 507

Roofing and cladding products from metal sheet - Specification for fully supported products of aluminium sheet

This document specifies requirements for roofing and cladding products used for assembly into coverings for wall claddings, linings and pitched roofs, made from aluminium sheet with or without additional surface treatment (organic coating or anodising).
This document establishes general characteristics, definitions and labelling of the products, together with requirements for the materials from which the products can be manufactured. It is intended to be used either by manufacturers to ensure that their products comply with the requirements or by purchasers to verify that the products comply before they are despatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions. Products can be prefabricated or semi-formed products as well as strip, coil and sheet for on-site-formed applications (e.g. standing seam roofs). This document applies to all discontinuously laid and fully supported roofing and cladding products made of aluminium sheets. No requirements for supporting construction, design of roof system and execution of connections and flashings are included. This document does not apply to self-supporting aluminium sheets that are covered by EN 508-2:-.

Keel: en
Alusdokumendid: prEN 507
Asendab dokumenti: EVS-EN 507:2019

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 601

Aluminium and aluminium alloys - Castings - Chemical composition of castings for use in contact with foodstuff

This document specifies the maximum mass content of alloying elements and impurities in aluminium and aluminium alloy cast materials and articles designed to be in contact with foodstuff. It contains provisions for the demonstration of conformity of products with the present document.

NOTE Materials include ingots and liquid metal. Articles are finished goods.

Keel: en
Alusdokumendid: prEN 601
Asendab dokumenti: EVS-EN 601:2004

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 4491-3

Metallic powders - Determination of oxygen content by reduction methods - Part 3: Hydrogen-reducible oxygen (ISO/FDIS 4491-3:2025)

This document specifies a method for the determination of the hydrogen-reducible oxygen content of metallic powders containing mass percentage of 0,05 % to 3 % oxygen.

This document is applicable to unalloyed, partially alloyed or completely alloyed metal powders and also to mixtures of carbides and binder metal. This document is not applicable to powders containing lubricants or organic binders.

This document can be extended to powders containing carbon by the use of a special catalytic device. This document is intended to be used in conjunction with ISO 760 and ISO 4491-1.

Keel: en
Alusdokumendid: prEN ISO 4491-3; ISO/FDIS 4491-3:2025
Asendab dokumenti: EVS-EN ISO 4491-3:2006

Arvamusküsitluse lõppkuupäev: 14.08.2025

83 KUMMI- JA PLASTITÖÖSTUS

prEN 13100-3

Non destructive testing of welded joints in thermoplastics semifinished products - Part 3: Ultrasonic testing

This document specifies methods for the manual ultrasonic examination of heated tool, electrofusion, extrusion and hot gas joints in plastics materials. It applies to joints in single wall pipes and plates. The range of thicknesses covered is from 10 mm to 100 mm.

This document does not specify acceptance levels of the indications.

Keel: en
Alusdokumendid: prEN 13100-3
Asendab dokumenti: EVS-EN 13100-3:2005

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN ISO 8067

Flexible cellular polymeric materials - Determination of tear strength (ISO/DIS 8067:2025)

This document specifies two methods for the determination of the tear strength of flexible cellular polymeric materials:

— method A, using a trouser test piece;

— method B, using an angle test piece without a nick.

Keel: en
Alusdokumendid: ISO/DIS 8067; prEN ISO 8067
Asendab dokumenti: EVS-EN ISO 8067:2018

Arvamusküsitluse lõppkuupäev: 14.08.2025

91 EHITUSMATERJALID JA EHITUS

HD 60364-4-43:2023/prAA:2025

Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent

IEC 60364-4-43:2023 provides requirements for: - protection of live conductors, PEN conductors, PEM conductors, and PEL conductors against the harmful effects caused by overcurrent; - coordination of measures for protection against overcurrent. This fourth edition cancels and replaces the third edition published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the standard has been restructured, see Table 1 (Correspondence between IEC 60364-4-43:2008 and this document) below; b) the measure "automatic disconnection of supply" has been designated as the preferred measure for protection against overcurrent; c) all measures except the measure "automatic disconnection of supply" have been transferred into new normative annexes to indicate that these measures are usable in certain applications and under certain restricted conditions only (see Annex A, Annex B and Annex E); d) a new clause "Terms and definitions" has been added; e) new requirements have been added for the protection of the neutral or mid-point conductor (with and without triplen harmonics).

Keel: en
Alusdokumendid: HD 60364-4-43:2023/prAA:2025
Muudab dokumenti: EVS-HD 60364-4-43:2023

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1364-1

Fire resistance tests for non-loadbearing elements - Part 1: Walls

This document specifies a method for determining the fire resistance of non-loadbearing walls. This document is used in conjunction with EN 1363-1.

It is applicable to internal non-loadbearing walls (partitions), with and without glazing, non-loadbearing walls consisting almost wholly of glazing (glazed non-loadbearing walls) and other internal and external non-loadbearing walls with and without glazing.

The fire resistance of external non-loadbearing walls can be determined under internal or external exposure conditions. In the latter case the external fire exposure curve given in EN 1363-2 is used.

This document is not applicable to:

a) curtain walls (external non-loadbearing walls suspended in front of the floor slab), unless explicitly permitted under EN 1364-3 or EN 1364-4 which contain details of the methodology to be used;

b) non-loadbearing walls containing door assemblies that are tested according to EN 1634-1.

Specific requirements for testing glazed elements or non-loadbearing walls incorporating glazing are given in Annex A.

Specific requirements relating to the testing of non-loadbearing external and internal walls designed to span horizontally between two independently proven fire resisting vertical structural elements are given in Annex B.

Keel: en
Alusdokumendid: prEN 1364-1
Asendab dokumenti: EVS-EN 1364-1:2015

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 1364-5

Fire resistance tests for non-loadbearing elements - Part 5: Air transfer grilles

This document specifies a method for determining the fire resistance of air transfer grilles (ATG).

It is applicable to air transfer grilles intended for installation in building components (typically walls, floors or ceilings). The orientation of the installation of the air transfer grille can be vertical or horizontal.

The closing mechanism of the air transfer grille can come from expansion of material and/or from any mechanical or electrical closing device.

This test method is valid for fire resistant or fire resistant and smoke control air transfer grilles.

An additional test configuration is valid for fire resistant or fire resistant and smoke control air transfer grilles in applications where flame impingement is a risk during open state from start of fire (Annex A).

This test method evaluates the behaviour of the air transfer grille when exposed to the standard fire curve described in EN 1363-1 and the standard pressure described in EN 1363-1. It is not the intention of this test to provide quantitative information on the rate of leakage of smoke and/or hot gases or on the transmission or generation of fumes under fire conditions. Such phenomena are only noted in describing the general behaviour of test specimens during the test.

The rate of leakage of smoke at ambient temperature or at 200 °C as an optional requirement for ATG with declared smoke control will be confirmed in accordance with EN 1634-3.

This test method is not valid for determining the fire resistance of air transfer grilles that are used in ducts because ATG are considered as separating elements. The test method for ATG, used in ducts is described in the corresponding duct standards.

This test method is not valid for determining the fire resistance of a fire damper or a fire barrier connected to a duct on either or both sides because an ATG is tested as a fire-separating element on its own. Fire dampers are tested according to EN 1366-2.

Non-mechanical fire barriers are tested according to EN 1366-12.

This test method is not valid for determining the fire resistance of air transfer grilles in fire doors, shutters and openable windows as specified in EN 1634-1 and EN 1364-2, because the deformation of fire doors, shutters and openable windows in fire conditions differs from the deformation of flexible/rigid walls. Moreover, the location of thermocouples in the door standard is too specific to be handled in this document.

All values given in this document are nominal unless otherwise specified.

Keel: en
Alusdokumendid: prEN 1364-5
Asendab dokumenti: EVS-EN 1364-5:2017

Arvamusküsitluse lõppkuupäev: 14.08.2025

prEN 507

Roofing and cladding products from metal sheet - Specification for fully supported products of aluminium sheet

This document specifies requirements for roofing and cladding products used for assembly into coverings for wall claddings, linings and pitched roofs, made from aluminium sheet with or without additional surface treatment (organic coating or anodising).

This document establishes general characteristics, definitions and labelling of the products, together with requirements for the materials from which the products can be manufactured. It is intended to be used either by manufacturers to ensure that their products comply with the requirements or by purchasers to verify that the products comply before they are despatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions. Products can be prefabricated or semi-formed products as well as strip, coil and sheet for on-site-formed applications (e.g. standing seam roofs). This document applies to all discontinuously laid and fully supported roofing and cladding products made of aluminium sheets. No requirements for supporting construction, design of roof system and execution of connections and flashings are included. This document does not apply to self-supporting aluminium sheets that are covered by EN 508-2:-.

Keel: en
Alusdokumendid: prEN 507
Asendab dokumenti: EVS-EN 507:2019

Arvamusküsitluse lõppkuupäev: 14.08.2025

97 OLME. MEELELAHUTUS. SPORT

prEN 18122

High chairs and learning towers - Learning towers - Requirements and test methods

This document specifies safety requirements and test methods for learning towers for domestic use that are intended to raise children to allow them to carry out tasks on kitchen worktops, bathroom sinks, etc. in a standing position.

Learning towers are normally used by children up to 6 years old.

Note If the product offers other functions other standards can be applied.

Keel: en
Alusdokumendid: prEN 18122

Arvamusküsitluse lõppkuupäev: 15.07.2025

TÕLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

CEN ISO/TR 22100-4:2020

Masinaohutus. Seos standardiga ISO 12100 Osa 4: Juhend masinatootjatele IT-turvalisuse (küberturvalisuse) aspektide arvesse võtmiseks

See dokument annab masinatootjatele juhendi masina ohutusega seotud võimalike turvalisuse aspektide kohta masina kasutuselevõtul või esmakordsel turule laskmisel. See annab olulist teavet IT-turvalisuse ohtude, mis võivad masina ohutust mõjutada, tuvastamiseks ja nendega tegelemiseks.

See dokument annab juhendi, kuid ei esita üksikasjalikke spetsifikatsioone selle kohta, kuidas tegeleda IT-turvalisuse aspektidega, mis võivad mõjutada masinate ohutust.

See dokument ei käsitle riski vähendamise meetmetest mööda minemist või nende mittetoimivaks muutmist füüsilise manipuleerimise teel.

Keel: et
Alusdokumendid: ISO/TR 22100-4:2018; CEN ISO/TR 22100-4:2020

Kommenteerimise lõppkuupäev: 15.07.2025

EVS-EN 12255-1:2024

Reoveepuhastid. Osa 1: Projekteerimise ja ehitamise üldpõhimõtted

See dokument määratleb põhinõuded reoveepuhastite projekteerimiseks ja ehitamiseks, pidades silmas elanike ja inimekvivalentide koguarvu (PT), mis on suurem kui 50.

MÄRKUS 1 Nõuded konstruktsioonidele, mis ei ole eriomased reoveepuhastitele, ei kuulu dokumendi käsitlusalasse. Siinkohal võivad kohalduda teised EN standardid.

MÄRKUS 2 Seadmed, mida ei kasutata ainult reoveepuhastites, peavad vastama kehtivatele tootestandarditele. Küll on selles osas toodud erinõuded sellistele seadmetele, kui neid kasutatakse reoveepuhastites.

MÄRKUS 3 Kuigi dokument määratleb põhinõuded reoveepuhastite projekteerimiseks ja ehitamiseks, pidades silmas elanike ja inimekvivalentide koguarvu (PT), mis on suurem kui 50, on paljud nõuded tehniliselt ja majanduslikult teostatavad ainult oluliselt suuremate mõõtmete puhul.

Keel: et
Alusdokumendid: EN 12255-1:2024

Kommenteerimise lõppkuupäev: 15.07.2025

EVS-EN 12697-35:2025

Asfaltsegud. Katsemeetodid. Osa 35: Laboratoorne segamine

See dokument kirjeldab bituumenmaterjalide laboratoorset segamist proovide valmistamiseks. See dokument määrab segude võrdlustihendustemperatuurid ja valuasfaldisegude võrdluspaigaldustemperatuuri, mis põhinevad teekatte ja kõva teekatte bituumeni sideaine klassil.

Lisa A kirjeldab vahustatud bituumeni abil laboratoorse segamise meetodit.

Lisa B kirjeldab bituumenemulsiooni abil laboratoorse segamise meetodit.

Lisa C kirjeldab valuasfaldi proovide ettevalmistamist pärast laboratoorset segamist.

Keel: et
Alusdokumendid: EN 12697-35:2025

Kommenteerimise lõppkuupäev: 15.07.2025

EVS-EN 1426:2024

Bituumenid ja bituumensideained. Nõelpenetratsiooni määramine

See Euroopa standard esitab bituumeni ja bituumensideainete konsistentsi määramise meetodi.

Standardprotseduur nõelpenetratsiooni määramiseks on kirjeldatud penetratsioonidele kuni (330 x 0,1) mm temperatuuril 25 °C. Pikemat nõela kasutades lubab see meetod penetratsiooni määrata kuni (500 x 0,1) mm.

HOIATUS — Selle Euroopa standardi kasutamine võib kätkeda ohtlikke materjale, toiminguid ja seadmeid. Selle Euroopa standardi eesmärk pole käsitleda kõiki selle kasutamisega seotud ohutusprobleeme. Asjakohaste tervishoiu- ja ohutusnõuete kehtestamise ning regulatiivpiirangute rakendatavuse kindlaksmääramise eest enne kasutamist vastutab selle Euroopa standardi kasutaja.

Keel: et

Alusdokumendid: EN 1426:2024

Kommenteerimise lõppkuupäev: 15.07.2025

EVS-EN 1482-1:2024

Väetised, lubiained ja inhibiitorid. Proovide võtmine ja proovide ettevalmistamine. Osa 1: Üldised proovivõtu sätted

See dokument määratleb proovivõtukavad ja esindusliku proovivõtu meetodid väetiste, lubiainete ja inhibiitorite jaoks, nii vedelas kui ka tahkes olekus, füüsikaliste ja keemiliste analüüside tarbeks. See dokument hõlmab proovivõttu ainult liikumises olevatest puistekaupadest ning pakendites ja mahutites olevatest toodetest kuni 1000 kg toote puhul tahkel kujul ja 1000 l toote puhul vedelal kujul.

MÄRKUS 1 Määratletud tüüpi väetiste ja lubiainete puistekuhjadest proovivõttu käsitleb EN 1482-3. Mikroobide olemasolu tuvastamiseks tehtavat proovivõttu käsitleb EN 1482-4.

MÄRKUS 2 Terminit "toode" kasutatakse kogu selle dokumendi sisus ja selle all mõistetakse väetisi, lubiaineid ja inhibiitoreid, kui ei ole märgitud teisiti.

See on kohaldatav väetiste, lubimaterjalide ja inhibiitorite partiide proovide võtmisele, kui need tarnitakse või on valmis tarnimiseks kolmandatele isikutele kas puhtal kujul või väiksemates partiides, millest igaüks võib olla kohaliku, riikliku või piirkondliku õigusaktide subjekt.

See dokument ei hõlma täielikke statistilisi proovivõtukavasid.

See dokument on kohaldatav väetisesegudele, kus segu on vähemalt kahe järgmise komponendi segu: väetised, lubiained, mullaparandajad, kasvusubstraadid, inhibiitorid ja taime biostimulaatorid, ning kus järgmised kategooriad: orgaanilised väetised, orgaanilis-mineraalsed väetised, anorgaanilised väetised, lubiained või inhibiitorid, moodustavad väetisesegus massi või mahu järgi või vedelal kujul kuiva massi järel kõrgeima protsendi. Kui kategooria (orgaanilised väetised, orgaanilis-mineraalsed väetised, anorgaanilised väetised, lubiained või inhibiitorid) ei ole väetisesegus kõrgeima protsendiga, kohaldatakse Euroopa standardit, mis vastab väetisesegus kõrgeimale protsendile. Juhul kui väetisesegu koosneb võrdses koguses komponentidest, otsustab kasutaja, millist standardit kohaldada. Erilist tähelepanu tuleb pöörata sellele, et väetisesegu oleks ja jääks homogeenseks ning oleks proovivõtu ajal hästi segatud.

MÄRKUS 3 Tootjad, importijad ja müüjad peavad siiski tagama, et nad tarnivad toote, mis vastab tarnimise hetkel selle märgistuse deklaratsioonile ja täidab lõppkasutaja ootusi kasutamise hetkel.

Keel: et
Alusdokumendid: EN 1482-1:2024

Kommenteerimise lõppkuupäev: 15.07.2025

EVS-EN 1482-2:2024

Väetised, lubiained ja inhibiitorid. Proovide võtmine ja proovide ettevalmistamine. Osa 2: Proovi ettevalmistamise üldised sätted

See dokument määratleb meetodid väetiste, lubiainete ja inhibiitorite proovide vähendamiseks ja ettevalmistamiseks vedelal ja tahkel kujul ning sätestab nõuded proovide ettevalmistamise aruannetele. Samuti määratleb see meetodid katseproovide ja katsekoguste ettevalmistamiseks laborproovidest toote järgnevaks keemiliseks või füüsikaliseks analüüsiks. See ei käsitle proovide ettevalmistamist teatud füüsikaliste katsete jaoks, mis nõuavad üle 2 kg kaaluvaid katsekoguseid.

MÄRKUS 1 Terminit „toode” kasutatakse kogu dokumendi ulatuses ja see hõlmab väetisi, lubimaterjale ja inhibiitoreid, kui pole märgitud teisiti.

MÄRKUS 2 Seoses standardiseeria käesolevas osas sätestatud protseduuridega sätestatakse kõik konkreetsele katsemeetodile omased eriprotseduurid selles meetodistandardis.

See dokument kehtib väetistoodete segude kohta, mis on vähemalt kahe järgmise komponendi segu: väetised, lubiained, mullaparandajad, kasvusubstraadid, inhibiitorid ja taime biostimulaatorid, ning kus järgmine kategooria - orgaanilised väetised, orgaanilis-mineraalsed väetised, anorgaanilised väetised, lubiained või inhibiitorid - moodustab väetisetoote segus väetise massi- või mahuprotsendi või vedela vormi puhul kuivaine massiprotsendi. Kui kategooria (orgaanilised väetised, orgaanilis-mineraalsed väetised, anorgaanilised väetised, lubiained või inhibiitorid) ei ole väetise segus suurima protsendimääraga, kohaldatakse Euroopa standardit väetise segu suurima protsendimäära kohta. Juhul kui väetisetoote segu koosneb võrdses koguses komponentidest, otsustab kasutaja, millist standardit rakendada. Erilist tähelepanu tuleb pöörata sellele, et väetisetoodete segu oleks ja jääks proovi võtmise ajal homogeenseks ja hästi segunenuks.

Keel: et
Alusdokumendid: EN 1482-2:2024

Kommenteerimise lõppkuupäev: 15.07.2025

prEN 10253-4

Põkk-keevitusega toruliitmikud . Osa 4: Erijärelevalvenõuetega sepistatud roostevabad austeniit- ja austeniit-ferriitterased (duplex)

See dokument spetsifitseerib tehnilised tarnenõuded õmbluseta ja põkk-keevitatud liitmikele (põlved, kontsentrilised ja ekstsentrilised siirdmikud, võrdsed ja kitsama haruga kolmikud, otsikud), mis on valmistatud roostevabast austeniit- ja austeniit-ferriitterasest (dupleks) kahes katsekategoorias ning on ette nähtud kasutamiseks surve all, toatemperatuuril, madalal temperatuuril või kõrgendatud temperatuuril, vedelike ja gaaside edastamiseks ja jaotamiseks.

Standard spetsifitseerib:

a) liitmike tüübi:

Tüüp A: põkk-keevitatavad liitmikud, vähendatud rõhuteguriga;

Tüüp B: põkk-keevitatavad liitmikud, kasutamiseks täistöörõhul;

b) terasklassid ja nende keemilised koostised;

c) mehaanilised omadused;

d) mõõtmed ja tolerantsid;

e) nõuded järelevalvele ja katsetamisele;

f) järelevalvedokumendid;

g) märgistamine;

h) kaitsmine ja pakendamine.

MÄRKUS Sobiva liitmiku (materjal, paksus) valiku eest on lõppkokkuvõttes vastutav surveseadme tootja [vt European Legislation for Pressure Equipment (Surveseadmete Euroopa õigusaktid)]. Materjalide ühtlustatud tugistandardi puhul piirdub põhiohutusnõuetele vastavuse eeldus standardis toodud materjalide tehniliste andmetega ega tähenda, et eeldatakse, et materjal sobib konkreetsele seadmele. Seetõttu tuleb materjalistandardis esitatud tehnilisi andmeid hinnata vastavalt kõnealuse seadme konstruktsioonile esitatavatele nõuetele, et tagada surveseadmete direktiivi (PED) põhiliste ohutusnõuete järgimine.

Keel: et
Alusdokumendid: prEN 10253-4

Kommenteerimise lõppkuupäev: 15.07.2025

prEN ISO 15613

Metallmaterjalide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Tootmiseelsel keevituskatsel põhinev kvalifitseerimine

See dokument kirjeldab, kuidas kvalifitseeritakse esialgset keevitusprotseduuri spetsifikatsiooni tootmiseelse keevituskatse põhjal.

See dokument on kohaldatav metallmaterjalide kaarkeevituse, gaaskeevituse, kiirkeevituse, takistuskeevituse, tihvtkeevituse ja hõõrdkeevituse puhul.

Keel: et
Alusdokumendid: prEN ISO 15613; ISO/DIS 15613:2022

Kommenteerimise lõppkuupäev: 15.07.2025

prEN ISO 15614-2

Metallmaterjalide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Keevitusprotseduuri katse. Osa 2: Alumiiniumi ja selle sulamite kaarkeevitus

See dokument kirjeldab, kuidas esialgset keevitusprotseduuri spetsifikatsiooni (pWPS) kvalifitseeritakse keevitusprotseduuri katsete abil.

See dokument kehtib tootmiskeevituse, paranduskeevituse ja taastuskeevituse kohta.

See dokument määratleb keevitusprotseduuride katsete läbiviimise tingimused ja keevitusprotseduuride kvalifitseerimise ulatuse kõigi praktiliste keevitusoperatsioonide jaoks selle dokumendi kvalifitseerimise piires.

See dokument käsitleb sepistatud ja valatud alumiiniumi ning selle sulamite kaarkeevitust. Selles dokumendis tähistab termin alumiinium alumiiniumi ja alumiiniumisulameid.

See dokument ei kehti alumiiniumvalude viimistluskeevituse kohta, mida käsitleb standard ISO 15614-4.

Alumiiniumi kaarkeevitus on kaetud järgmiste keevitusprotsessidega vastavalt standardile ISO 4063:2023:

131 — MIG-keevitus täistraadiga elektroodiga;

141 — TIG-keevitus täistraat lisamaterjaliga (traat/varras);

142 — Autogeenne TIG-keevitus;

15 — plasmakaarkeevitus.

Keel: et
Alusdokumendid: prEN ISO 15614-2; ISO/DIS 15614-2:2022

Kommenteerimise lõppkuupäev: 15.07.2025

prEVS-EN 14336

Hoonete küttesüsteemid. Veepõhiste küttesüsteemide paigaldamine ja käikuandmine

See dokument määrab kindlaks nõuded veepõhise kütte-, veepõhise jahutus- ja sooja tarbeveesüsteemide paigaldamiseks ja käikuandmiseks hoonetes, mille maksimaalne töötemperatuur on 105 °C.

Seda dokumenti kohaldatakse süsteemide kui terviku käikuandmiseks nii uute süsteemide, renoveerimiste kui ka seadmete väljavahetamise korral.

Seda dokumenti ei kohaldata ülekuumendatud veesoojendus- või aurusüsteemide suhtes ning see ei hõlma üksikute komponentide konkreetseid käikuandmise nõudeid (nt kuidas määrata kütuse ja õhu suhet põleti puhul). Samuti ei kohaldata seda lisatud süsteemide (nt kliimaseadmete, sooja tarbevee jaotamise, ventilatsioonisüsteemide) paigaldamise või käikuandmise suhtes.

Selles dokumendis on sätestatud ainult tehnilised nõuded, kuid selles ei ole täpsustatud mingeid ärilisi või lepingulisi kokkuleppeid poolte vahel.

Keel: et
Alusdokumendid: EN 14336:2025

Kommenteerimise lõppkuupäev: 15.07.2025

prEVS-EN 16510-2-7

Elamute tahkekütteseadmed. Osa 2-7: Halupuude ja pelletitega köetavad kombineeritud seadmed

Seda dokumenti kohaldatakse puitpelletitega mehaaniliseks kütmiseks ja halupuudega käsitsi kütmiseks ettenähtud kütteseadmete, integreeritavate/sisse ehitatavate seadmete ja pliitide suhtes. Need võivad olla vabalt seisvad või integreeritavad/sisse ehitatud seadmed.

Seadmete kasutusotstarve on ruumide kütmine elamutes ja võib olla toiduvalmistamine. Neile saab paigaldada veesoojendi (seadme lahutamatu osa, mis sisaldab soojendatavat vett) keskküttesüsteemide varustamiseks kuuma veega. Need seadmed kasutavad tavaliselt abienergiat, mida mõõdetakse samuti selles standardis. Need töötavad loomuliku tõmbega ja võivad olla ventilaatoriga või suitsuimejaga.

MÄRKUS 1 Suitsuimeja tekitab küttesüsteemis alarõhu.

Integreeritavate/sisse ehitatud seadmete ja eriti nende katsetamise puhul võib olla asjakohane lisateave standardist EN 16510 2-2:2022.

Need seadmed põletavad puitpelleteid ja halupuid ainult vastavalt seadme juhistele. Need töötavad ainult suletud koldeustega.

MÄRKUS 2 Neil seadmetel võib olla sisseehitatud kütusepunker või neid võib kombineerida välise kütusepunkriga.

Need seadmed võivad olla varustatud ühe või kahe põlemiskambriga, millel on üks suitsugaasi väljalaskeava. Selles dokumendis määratakse kindlaks protseduurid halupuude ja pelletitega köetavate kombineeritud seadmete omaduste toimivuse püsivuse hindamiseks ja kontrollimiseks (AVCP).

Seda dokumenti ei kohaldata järgmistele seadmetele:

— veesoojendile, mis on ette nähtud veesoojendussüsteemidele, mille veetemperatuur on üle 110 °C ja 3 baari, ning kuuma majapidamisvee jaoks,

— seadmetele, mis on mõeldud kasutamiseks puhtalt horisontaalse väljalaskeavaga (läbi ehitise seina),

— suitsugaaside kondenseerumisega seadmes,

— sisse/väljalülitamisega seadmetele osalise koormuse korral,

— üheaegse puidu- ja pelletikasutusega ühe suitsugaasi väljalaskeavaga seadmetele,

— mitteautomaatse pelletite laadimisega seadmetele,

— ühe põlemiskambriga ja kahekordse suitsugaaside väljalaskeavaga seadmetele,

— pideva põlemisrežiimiga kütteseadmetele.

Selguse huvides on kõiki katsemeetodeid käsitletud A lisas.

Keel: et
Alusdokumendid: EN 16510-2-7:2025

Kommenteerimise lõppkuupäev: 15.07.2025

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas allpool nimetatud standardite ja standardilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

Allviidatud standardite ja dokumentide kehtivana hoidmise vajalikkusest palume teavitada EVS-i standardiosakonda (standardiosakond@evs.ee).

EVS-EN ISO 9241-4:2000

Kuvaritega kontoritöö ergonoomianõuded. Osa 4: Nõuded klaviatuurile
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 4: Keyboard requirements

Standard kehtib eemaldatavate lineaarklaviatuuride kohta, mis on ette nähtud statsionaarseks kasutamiseks. Standard annab suuniseid selliste klaviatuuride konstrueerimiseks, mida kasutatakse tüüpiliste kontoriülesannete täitmiseks, mistõttu on arvesse võetud kasutajaid puudutavaid piiranguid ja kasutajate võimeid. Standard annab suuniseid, mis põhinevad klaviatuuri osade paigutuse ergonoomilisust mõjutavatel teguritel, iga klahvi füüsilistel omadustel ning klahve ümbritseva korpuse üldisel konstruktsioonil. Standard määrab meetodid vastavuse katsetamiseks klaviatuuri füüsilisi omadusi mõõtes. Samas sisaldab standard ka väljapakutud alternatiivset, kasutaja tööjõudluse proovimisel ja subjektiivsetel hindamisskaaladel põhinevat katsetusmeetodit, mida saab kasutada nende klaviatuuride korral, mis ei vasta füüsilise konstruktsiooni nõuetele ega soovitustele.

Keel: en
Alusdokumendid: ISO 9241-4:1998; EN ISO 9241-4:1998+AC:2000
Tühistamisküsitluse lõppkuupäev: 15.07.2025

EVS-EN ISO 9241-9:2000

Ergonomic requirements for office work with visual display terminals (VDTs) - Part 9: Requirements for non-keyboard input devices

This part of ISO 9241 applies to several types of non-keyboard input devices designed for stationary use. It gives guidance based on ergonomic factors for the following input devices: mice, pucks, joysticks, trackballs, tablets, overlays, touch sensitive screens, styli and light pens. It gives guidance on the design of these devices used for typical office tasks so that the limitations and capabilities of users are considered. This part of ISO 9241 specifies methods for determining conformance through observation and by measuring the physical attributes of the various devices.

Keel: en
Alusdokumendid: ISO 9241-9:2000; EN ISO 9241-9:2000
Tühistamisküsitluse lõppkuupäev: 15.07.2025

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN 14336:2025
Heating systems in buildings - Installation and commissioning of water based heating and cooling systems

Eeldatav avaldamise aeg Eesti standardina 09.2025

EN 16510-2-10:2025
Jätkukütmisega halupuudega köetavad saunaahjud. Nõuded ja katsemeetodid
Multi-firing sauna stoves fired by natural wood logs - Requirements and test methods

Eeldatav avaldamise aeg Eesti standardina 10.2025

EN 16510-2-7:2025
Elamute tahkekütteseadmed. Osa 2-7: Halupuude ja pelletitega köetavad kombineeritud seadmed
Residential solid fuel burning appliances - Part 2-7: Combination appliances fired by wood logs and pellets

Eeldatav avaldamise aeg Eesti standardina 09.2025

EN 1993-1-6:2025
Eurocode 3 - Design of steel structures - Part 1-6: Strength and Stability of Shell Structures

Eeldatav avaldamise aeg Eesti standardina 09.2027

EN IEC 60060-1:2025
High-voltage test techniques - Part 1: General terminology and test requirements

Eeldatav avaldamise aeg Eesti standardina 01.2026

EN ISO 14644-5:2025
Cleanrooms and associated controlled environments - Part 5: Operations (ISO 14644-5:2025)

Eeldatav avaldamise aeg Eesti standardina 09.2025

EN ISO 9612:2025
Akustika. Müraeksponsitsiooni määramine töökeskkonnas. Metoodika
Acoustics - Determination of occupational noise exposure - Methodology (ISO 9612:2025)

Eeldatav avaldamise aeg Eesti standardina 08.2025

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

EVS 847-1:2025

Veevärk. Osa 1: Veehaarded
Waterworks - Part 1: Water Intakes

Standard kehtib veevärgi, sh ühisveevärgi veehaaretele ning on ette nähtud kasutamiseks veeallika tüübi ja asukoha valikul, veehaarde põhisõlmede projekteerimisel ja seadmete valikul ning veehaarde projekteerimisel.

EVS-EN 13565-1:2019+A1:2025

Paiksed tulekustutussüsteemid. Vahtsüsteemide komponendid. Osa 1: Nõuded ja katsemeetodid
Fixed firefighting systems - Foam systems - Part 1: Requirements and test methods for components

Selles dokumendis on määratud nõuded materjalidele, ehitusele ja komponentide toimivusele, mis on mõeldud kasutamiseks paiksetes vahtkustutussüsteemides, kasutades vahukontsentraate, mis vastavad standarditele EN 1568-1 kuni EN 1568-4.

Käsitletud komponendid on dosaatorid, pihustid, poolkihialused voolikuseadmed, joatorud, madala/keskmise kordsusega vahugeneraatorid, kõrge kordsusega vahugeneraatorid, vahukambrid, mahutid ja surveanumad. Katsemeetodid on esitatud lisades A kuni K.

Samuti on esitatud nõuded iseloomustavate andmete tagamiseks, mida on vaja komponentide õigeks kasutamiseks.

MÄRKUS 1 Kui ei ole öeldud teisiti, on manomeetrite rõhud väljendatud baarides.

Selle dokumendi nõuded ei kata, kui ei ole määratud teisiti, komponentide kasutamist kombinatsioonidena, et moodustada osaline või terviklik tuletõrjesüsteem.

MÄRKUS 2 Ei tohi eeldada, et sellele dokumendile vastavad komponendid üksteisega ühilduvad.

Selle dokumendi käsitlusalas ei sisaldu nõuded pumpadele, mootoritele ega mehaaniliste komponentide (st kaugjuhtimisega monitorid) toimimisele.

EVS-EN 18001:2024

Rippfassaadid. Toote keskkonnadeklaratsioonid. Tootekategooria reeglid rippfassaadidele
Curtain walling - Environmental Product Declarations - Product category rules for curtain walling

See dokument sisaldab tootekategooriate reegleid (PCR) III tüübi keskkonnadeklaratsioonide jaoks rippfassaadile vastavalt standardile EN 13830:2015+A1:2020, välja arvatud avatavad elemendid.

Avatavaid elemente käsitletakse standardis EN 17213:2020.

See dokument täiendab standardis EN 15804:2012+A2:2019 määratletud ehitustoodete tootekategooria põhireegleid. See dokument täiendab standardit EN 15804:2012+A2:2019 ega asenda seda.

MÄRKUS See dokument ei hõlma sotsiaalsete ja majanduslike näitajate hindamist toote tasemel. PCR põhiosa:

— määratleb deklareeritavad parameetrid ning nende võrdlemise ja aruandluse viisi;

— kirjeldab, milliseid toote olelusringi etappe EPD-s käsitletakse ja millised protsessid kuuluvad olelusringi etappidesse;

— määratleb stsenaariumide väljatöötamise reeglid;

— sisaldab EPD aluseks oleva elutsükli inventuuri (nt tooraine, energia, emissioonid) ja elutsükli mõju hindamise arvutamise reegleid, sealhulgas kohaldatava andmekvaliteedi täpsustust;

— sisaldab toote, ehitusprotsessi(de) ja ehitusteenus(t)e eelnevalt kindlaksmääratud keskkonna- ja terviseteabe esitamise eeskirju, mis ei ole hõlmatud elutsükli hindamisega (Life Cycle Assessment - LCA);

— määratleb tingimused, mille alusel saab ehitustooteid võrrelda, tuginedes EPD esitatud teabele. Ehitusteenuse EPD-le kehtivad samad reeglid ja nõuded, mis ehitustoodete EPD-le.

EVS-EN 60204-1:2018/A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded
Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016/AMD1:2021)

Standardi EVS-EN 60204-1:2018 muudatus.

EVS-EN 60204-1:2018+A1:2025

Masinate ohutus. Masinate elektriseadmed. Osa 1: Üldnõuded

Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2016, modified + IEC 60204-1:2016/AMD1:2021)

Standardisarja IEC 60204 see osa kehtib töötamise ajal käsitsi mitteteisaldatavate masinate, sealhulgas koordineeritult koos töötavate masinate rühma elektriliste, elektrooniliste ja programmeeritavate elektrooniliste seadmete ja süsteemide rakendamise kohta.

MÄRKUS 1 IEC 60204 see osa on rakendusstandard ja ei ole ette nähtud tehnilise arengu piiramiseks ega takistamiseks.

MÄRKUS 2 IEC 60204 selles osas kasutatakse terminit „elektriline“ nii elektriliste kui ka elektrooniliste ja programmeeritavate elektrooniliste küsimuste kohta (st termin „elektriseadmed“ hõlmab nii elektrilisi, elektroonilisi kui ka programmeeritavaid elektroonilisi seadmeid).

MÄRKUS 3 IEC 60204 selles osas kasutatakse terminit „isik“ kõigi inimeste kohta, sealhulgas isikute kohta, kes on masina kasutaja või tema voliniku (või volinike) poolt määratud ja instrueeritud kõnesolevat masinat kasutama ja hooldama.

IEC 60204 selles osas käsitletavad seadmed algavad masinate elektriseadmete toitepunktist (vt 5.1).

MÄRKUS 4 Nõuded elektrivarustuspaigaldiste kohta on esitatud standardisarjas IEC 60364. IEC 60204 see osa kehtib elektriseadmete või nende osade kohta, mille nimi-vahelduvpinge ei ole üle 1000 V ega nimi-alalispinge üle 1500 V ja mille nimi-toitesagedus ei ole üle 200 Hz.

MÄRKUS 5 Teavet kõrgematel pingetel toimivate elektriseadmete või nende osade kohta on esitatud standardis IEC 60204-11. IEC 60204 see osa ei haara kõiki nõudeid (nt järelevalve, blokeerimine või juhtimine), mida vajatakse või nõutakse muude standardite või eeskirjadega, et kaitsta isikuid muude ohtude eest, mis pole seotud elektriohuga. Masina igal liigil on omad nõuded adekvaatse ohutuse tagamiseks.

Standardi IEC 60204 see osa haarab spetsiaalselt terminiga 3.1.40 määratletud masinate elektriseadmeid, kuid pole nendega piiritletud.

MÄRKUS 6 Masinate näited, mille elektriseadmed on haaratud IEC 60204 selle osaga, on esitatud lisas C.

Standardisarja IEC 60204 see osa ei sätesta lisa- ega erinõudeid, mida võib rakendada elektriseadmete kohta masinates, mis näiteks

— on ette nähtud töötamiseks välisoludes (st väljapool hooneid ja muid kaitsvaid ehitisi),

— kasutavad, töötlevad või toodavad potentsiaalselt plahvatusohtlikke materjale (nt värve või saepuru),

— on ette nähtud kasutamiseks potentsiaalselt plahvatusohtlikus ja/või süttivas keskkonnas,

— tekitavad erilist ohtu teatud materjalide tootmisel või kasutamisel,

— on ette nähtud kasutamiseks kaevandustes,

— on õmblusmasinad, nende osad või süsteemid, mida käsitleb standard IEC 60204-31,

— on tõstemasinad, mida käsitleb standard IEC 60204-32,

— on pooljuhtelementide valmistamise seadmed, mida käsitleb standard IEC 60204-33.

IEC 60204 sellest osast on välja jäetud jõuahelad, milles elektrienergiat kasutatakse tööriistades otseselt.

EVS-EN ISO 10077-2:2017/A1:2025

Akende, uste ja luukide soojuslik toimivus. Soojusläbivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod. Muudatus 1
Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames - Amendment 1 (ISO 10077-2:2017/Amd1:2024)

Standardi EVS-EN ISO 10077-2:2017 muudatus.

EVS-EN ISO 10077-2:2017+A1:2025

Akende, uste ja luukide soojuslik toimivus. Soojusläbivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod
Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 2: Numerical method for frames (ISO 10077-2:2017 + ISO 10077-2:2017/Amd1:2024)

See dokument spetsifitseerib arvutusmeetodi ja esitab sisendandmed raamiprofiilide soojusläbivuse ja raamide ning klaasingu või teiste täitepaneelide ühenduste joonsoojusläbivuse (pikkusepõhise soojusläbivuse) arvutamiseks.

Meetodit võib kasutada ka luukide soojustakistuse ja rulookarpide ja nendega sarnaste elementide (nt žalusiide) soojustehniliste omaduste hindamiseks.

See dokument esitab ka kriteeriumid arvutustes kasutatavate numbriliste meetodite hindamiseks.

See dokument ei hõlma päikesekiirguse, õhulekkest põhjustatud soojusülekande või kolmemõõtmelise soojusülekande (nt metallist punktliidete) mõju. Samuti ei käsitleta raamide ja ehituskonstruktsioonide vaheliste külmasildade mõju.

MÄRKUS Sissejuhatuses esitatud tabel 1 näitab selle dokumendi suhtelist positsiooni EPB standardite sarjas standardis ISO 52000-1 esitatud moodulsüsteemi kontekstis.

EVS-ISO/IEC 20546:2025

Infotehnoloogia. Suurandmed. Ülevaade ja sõnavara
Information technology -- Big data -- Overview and vocabulary (ISO/IEC 20546:2019, identical)

Dokument annab valdkonna paremaks mõistmiseks ja kommunikatsiooniks vajaliku terminite ja määratluste baasi. Ühtlasi esitatakse terminoloogiline baas suurandmetega seotud standarditele.

Dokument annab kontseptuaalse ülevaate suurandmete valdkonnast, kirjeldab selle ala suhteid muude tehniliste alade ja standardimispüüetega ning esitab suurandmetega seostatavad mõisted, mis ei ole valdkonnas uued.

STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.
Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest enquiry@evs.ee.

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN ISO 10077-2:2017/A1:2025	Akende, uste ja luukide soojuslik toimivus. Soojusläbivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod	Akende, uste ja luukide soojuslik toimivus. Soojusläbivuse arvutus. Osa 2: Raamide numbriline arvutusmeetod. Muudatus 1

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 18001:2024	Curtain walling - Environmental Product Declarations - Product category rules for curtain walling	Rippfassaadid. Toote keskkonnadeklaratsioonid. Tootekategooria reeglid rippfassaadidele

HARMONEERITUD STANDARDI STAATUSE KAOTANUD EESTI STANDARDID

Harmoneeritud standardi staatuse kaotanud Eesti standardi tähis ja pealkiri (viite kustutamise tõttu Euroopa Liidu Teatajast)	Viite kustutamise tähtaeg
EVS-HD 361 S3:2001 Kaablite tähistussüsteem EVS-HD 361 S3:2001/A1:2006	13.06.2025
EVS-HD 605 S2:2008 Elektrikaablid. Lisakatsetusmeetodid	13.06.2025
EVS-EN 50363-0:2011 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 0: Üldsissejuhatus	13.06.2025
EVS-EN 50363-1:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 1: Võrkstruktuuriga elastomeer-isoleerkompaundid	13.06.2025
EVS-EN 50363-2-1:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 2-1: Võrkstruktuuriga elastomeer-mantlikompaundid EVS-EN 50363-2-1:2005/A1:2011	13.06.2025
EVS-EN 50363-2-2:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 2-2: Võrkstruktuuriga elastomeer-kattekompaundid	13.06.2025
EVS-EN 50363-3:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 3: Polüvinüülkloriid-isoleerkompaundid EVS-EN 50363-3:2005/A1:2011	13.06.2025
EVS-EN 50363-4-1:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 4-1: Polüvinüülkloriid-mantlikompaundid	13.06.2025
EVS-EN 50363-4-2:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 4-2: Polüvinüülkloriid-kattekompaundid	13.06.2025
EVS-EN 50363-5:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 5: Halogeenivabad võrkstruktuuriga isoleerkompaundid EVS-EN 50363-5:2005/A1:2011	13.06.2025
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EVS-EN 50363-10-1:2005 Madalpingeliste jõukaablite isoleer-, mantli- ja kattematerjalid. Osa 10-1: Mitmesugused mantlikompaundid. Võrkstruktuuriga polüvinüülkloriid	13.06.2025
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EVS-EN 50565-2:2014 Juhtmed ja kaablid. Juhis tugevvoolujuhtmete ja -kaablite kasutamiseks nimipingel kuni 450/750 V (U0/U). Osa 2: Erijuhis standardis EN 50525 käsitletud juhtme- ja kaabliliikidele	13.06.2025
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EVS-EN 60332-3-21:2009 Elektriliste ja kiudoptiliste kaablite ja isoleerjuhtmete katsetamine tuleoludes. Osa 3-21: Püstselt kimpudena paigaldatud isoleerjuhtmete ja kaablite katsetamine püstleegi levikule. Katsetusviis A F/R	13.06.2025
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