EVS Teataja

Avaldatud 15.06.2022

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

Ilmub alates 1993. aastast

ISSN 2806-1802

SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 17615:2022
Plastics - Environmental Aspects - Vocabulary

This document specifies terms and definitions in the field of plastics related to environmental aspects and provides a common vocabulary for:
- bio-based plastics;
- biodegradability;
- carbon and environmental footprint;
- circular economy;
- design;
- plastics in natural environments;
- reuse and recycling;
- waste management.

This document aims to provide a comprehensive glossary which uses the applicable definitions providing when appropriate additional notes to make these definitions understandable without reference to other documents. Definitions are as far as possible adopted from existing standards but when the original intention or definition is unclear additional context or definitions are provided.

Keel: en
Alusdokumendid: EN 17615:2022

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

EVS-EN 15341:2019+A1:2022
Maintenance - Maintenance Key Performance Indicators

This document lists Key Performance Indicators (KPIs) of the Maintenance Function and gives guidelines to define a set of suitable indicators, to appraise and to improve effectiveness, efficiency and sustainability in the maintenance of the existing physical assets either industrial, infrastructures, facilities, civil buildings or transportation systems, etc. in the framework of the external and internal influencing factors.

Keel: en
Alusdokumendid: EN 15341:2019+A1:2022
Asendab dokumenti: EVS-EN 15341:2019

11 TERVISEHOOLDUS

EVS-EN ISO 22683:2022
Dentistry - Rotational adaptability test between implant body and implant abutment in dental implant systems (ISO 22683:2022)

This document specifies a test method to evaluate the rotational adaptability between an implant body and an implant abutment in a dental implant system.

This document is applicable to the implant systems which do not have a friction-fit between implant body and implant abutment but incorporate only an anti-rotational feature between these components. Analog or replica components cannot be used to evaluate the adaptability of dental implant systems.

Keel: en
Alusdokumendid: ISO 22683:2022; EN ISO 22683:2022

EVS-EN ISO 23371:2022
Anaesthetic and respiratory equipment - Cuff pressure indication, control and regulation devices (ISO 23371:2022)

This document specifies essential performance and safety requirements for cuff pressure indicators used to indicate the intracuff pressure of airway devices, such as supralaryngeal airways, tracheal tubes or tracheostomy tubes. This document is also applicable to devices that combine intracuff pressure indication with a method of cuff inflation (such as a syringe or pump). The device can also provide a method of automatically maintaining cuff inflation at a specific pressure or within a pressure range.

The requirements specified in this document apply to stand-alone cuff pressure indicators and those integrated into other medical devices e.g. ventilators anaesthesia workstations etc.

Keel: en
Alusdokumendid: ISO 23371:2022; EN ISO 23371:2022

EVS-EN ISO 25424:2019+A1:2022

Tervishoiutoodete steriliseerimine. Madalatemperatuurne aur ja formaldehüüd. Nõuded meditsiiniseadme steriliseerimisprotsessi väljatöötamiseks, valideerimiseks ja rutiinseks kontrolliks

Sterilization of health care products - Low temperature steam and formaldehyde - Requirements for development, validation and routine control of a sterilization process for medical devices (ISO 25424:2018 + ISO 25424:2018/Amd 1:2022)

1.1 Inclusions
1.1.1 This document specifies requirements for the development, validation and routine control of a low temperature steam and formaldehyde (LTSF) sterilization process for medical devices using a mixture of low temperature steam and formaldehyde as sterilizing agent and which operates below ambient pressure.
NOTE Although the scope of this document is limited to medical devices, it specifies requirements and provides guidance that can be applicable to other products and equipment.
1.1.2 This document is intended to be applied by process developers, manufacturers of sterilization equipment, manufacturers of medical devices to be sterilized and the organizations with responsibility for sterilizing medical devices (see ISO 14937:2009, Table E.1).
1.2 Exclusions
1.2.1 This document does not specify requirements for the development, validation and routine control of a process for inactivating the causative agents of spongiform encephalopathies such as scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Specific recommendations have been produced in particular countries for the processing of materials potentially contaminated with these agents.
NOTE See ISO 22442-1, ISO 22442-2 and ISO 22442-3.
1.2.2 This document does not specify requirements for designating a medical device as "STERILE". Such requirements are given in EN 556-1.
1.2.3 This document does not specify a quality management system for the control of all stages of production of medical devices.
NOTE It is not a requirement of this document to have a complete quality management system during manufacture or reprocessing, but those elements of such a system that are required are normatively referenced at appropriate places in the text. Attention is drawn to the standards for quality management systems (see ISO 13485) that control all stages of production or reprocessing of medical devices including the sterilization process. Further guidance is given in E.4 of ISO 14937:2009.
1.2.4 This document does not specify requirements for occupational safety associated with the design and operation of LTSF sterilization facilities.
NOTE 1 Safety requirements for sterilizers are specified in IEC 61010-2-040.
NOTE 2 Attention is also drawn to the existence in some countries of regulations stipulating safety requirements.
1.2.5 This document does not cover analytical methods for determining levels or residues of formaldehyde and/or its reaction products.
NOTE 1 Attention is drawn to EN 14180.
NOTE 2 Attention is drawn to the possible existence in some countries of statutory regulations specifying limits for the level of formaldehyde residues on medical devices and products.
1.2.6 This document does not cover preparatory measures that might be necessary before sterilization such as cleaning, disinfection and packing.
NOTE For reprocessable medical devices, the manufacturer(s) of these devices can supply information on the preparatory measures (see ISO 17664).

Keel: en
Alusdokumendid: ISO 25424:2018; EN ISO 25424:2019; ISO 25424:2018/Amd 1:2022; EN ISO 25424:2019/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 25424:2019
Konsolideerib dokumenti: EVS-EN ISO 25424:2019/A1:2022

EVS-EN ISO 9999:2022

Assistive products - Classification and terminology (ISO 9999:2022)

This document specifies a classification and terminology of assistive products, especially produced or generally available, for persons to optimize functioning and reduce disability.
Assistive products used by a person to optimize functioning and reduce disability, but which require the assistance of another person for their operation, are included in the classification.
The following items are specifically excluded from this document:
— items used for the installation of assistive products;
— solutions obtained by combinations of assistive products that are individually classified in this document;
— medicines;
— assistive products and instruments used exclusively by healthcare professionals or by teachers;
— non-technical solutions, such as personal assistance, guide dogs or lip-reading;
— implanted devices;
— financial support.

Keel: en
Alusdokumendid: ISO 9999:2022; EN ISO 9999:2022
Asendab dokumenti: EVS-EN ISO 9999:2016

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 17615:2022

Plastics - Environmental Aspects - Vocabulary

This document specifies terms and definitions in the field of plastics related to environmental aspects and provides a common vocabulary for:
- bio-based plastics;
- biodegradability;
- carbon and environmental footprint;
- circular economy;
- design;
- plastics in natural environments;
- reuse and recycling;
- waste management.

This document aims to provide a comprehensive glossary which uses the applicable definitions providing when appropriate additional notes to make these definitions understandable without reference to other documents. Definitions are as far as possible adopted from existing standards but when the original intention or definition is unclear additional context or definitions are provided.

Keel: en
Alusdokumendid: EN 17615:2022

EVS-EN 81-28:2022

Liftide konstruktsiooni ja paigalduse ohutuseeskirjad. Inimeste ja kaupade transpordiks mõeldud liftid. Osa 28: Sõidu- ja kaubaliftide kaughäiresüsteem
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts

This document specifies the technical requirements for the alarm systems for passenger and goods passenger lifts, as described in the EN 81 series.
This includes:
- activation of the alarm,
- transmission of the alarm,
- information for use and maintenance,
- site testing to verify the requirements of this document have been met before the lift is used.

Excluded are:
- the failure of the communication network (see Annex A), including mobile network signal strength or similar;
- the failure of the network power supply such that all the lifts in a geographical area create entrapment simultaneously.

This document deals with the following significant hazards, hazardous situations or hazardous events relevant to lift, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer:
- risk of entrapment of users in the car and in the well.

This document is not applicable to alarm systems for lifts installed before the date of its publication.

Keel: en
Alusdokumendid: EN 81-28:2022
Asendab dokumenti: EVS-EN 81-28:2018

EVS-EN ISO 15537:2022

Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO 15537:2022)

This document establishes methods for determining the composition of groups of persons whose anthropometric characteristics are to be representative of the intended user population of any specific object under test.
This document is applicable to the testing of anthropometric aspects of industrial products and designs having direct contact with the human body or dependent on human body measurements, such as machinery, work equipment, personal protective equipment (PPE), consumer goods, working spaces, architectural details or transportation equipment.
This document is also applicable to the testing of such safety aspects of products that are dependent on human body measurements. It does not deal with other aspects of the task or other requirements, such as perception of information (except geometrical arrangement of the viewing targets) and the use of controls (except their geometrical placement).
Although this document deals with selecting test persons from an anthropometric perspective, similar general principles can be applied for other test variables, e.g. biomechanical aspects.

Keel: en
Alusdokumendid: ISO 15537:2022; EN ISO 15537:2022
Asendab dokumenti: EVS-EN ISO 15537:2005

EVS-EN ISO 16495:2022

Packaging - Transport packaging for dangerous goods - Test methods (ISO 16495:2022)

This document specifies the information needed for the design type testing of packaging, intermediate bulk containers (IBCs) and large packaging intended for use in the transport of dangerous goods.
NOTE 1 This document can be used in conjunction with one or more of the international regulations set out in the Bibliography.
NOTE 2 The term “packaging” includes packaging for Class 6.2 infectious substances according to the United Nations.

Keel: en
Alusdokumendid: ISO 16495:2022; EN ISO 16495:2022
Asendab dokumenti: EVS-EN ISO 16495:2013

EVS-EN ISO 17892-1:2014+A1:2022

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content (ISO 17892-1:2014 + ISO 17892-1:2014/Amd 1:2022)

This International Standard specifies a method of determining the water content of soils. This International Standard is applicable to the laboratory determination of the water (also known as moisture) content of a soil test specimen by oven-drying within the scope of geotechnical investigations. The water content is required as a guide to the classification of natural soils and as a control criterion in re-compacted soils, and is measured on samples used for most field and laboratory tests. The oven-drying method is the definitive procedure used in usual laboratory practice. The practical procedure for determining the water content of a soil is to determine the mass loss on drying the test specimen to a constant mass in a drying oven controlled at a given temperature. The mass loss is assumed to be due to free water and is referenced to the remaining dry mass of solid particles.

NOTE This document fulfils the requirements of the determination of water content of soils for geotechnical investigation and testing in accordance with EN 1997–1 and EN 1997–2.

Keel: en
Alusdokumendid: ISO 17892-1:2014; EN ISO 17892-1:2014; ISO 17892-1:2014/Amd 1:2022; EN ISO 17892-1:2014/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 17892-1:2014
Konsolideerib dokumenti: EVS-EN ISO 17892-1:2014/A1:2022

EVS-EN ISO 340:2022

Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2022)

This document specifies a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

Keel: en
Alusdokumendid: ISO 340:2022; EN ISO 340:2022
Asendab dokumenti: EVS-EN ISO 340:2013

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 61340-5-3:2022

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

This part of IEC 61340 defines the ESD protective packaging properties needed to protect ESD sensitive devices (ESDS) through all phases of production, rework/maintenance, transport and storage. Test methods are referenced to evaluate packaging and packaging materials for these product and material properties. Performance limits are provided. This standard does not address protection from electromagnetic interference (EMI), electromagnetic pulsing (EMP) or protection of electrically initiated explosive materials or devices.

Keel: en
Alusdokumendid: IEC 61340-5-3:2022; EN IEC 61340-5-3:2022
Asendab dokumenti: EVS-EN 61340-5-3:2015

EVS-EN IEC 61557-3:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance (IEC 61557-3:2019)

Standardisarja IEC 61557 see osa sätestab nõuded liinijuhi ja kaitsejuhi, liinijuhi ja neutraaljuhi või kahe liinijuhi vahelise rikkesilmuse näivtakistuse mõõteseadmetele, mis kasutavad katsetamisel mõõtmiseks koormatud ahela pingelangu.

Keel: en, et
Alusdokumendid: IEC 61557-3:2019; EN IEC 61557-3:2022
Asendab dokumenti: EVS-EN 61557-3:2007

EVS-EN IEC 61557-7:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7: Faasijärjestus
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence (IEC 61557-7:2019)

Standardisarja IEC 61557 see osa sätestab nõuded kolmefaasilises jaotussüsteemis faasijärjestuse katsetamiseks kasutatavatele mõõteseadmetele. Faasijärjestuse näit võib olla mehaaniline, visuaalne ja/või akustiline. See dokument ei kehti muude suuruste täiendavate mõõtmiste kohta. See ei kehti ka seirereleede kohta. MÄRKUS Maailmas üldiselt kasutatavad kolmefaasilised süsteemid on esitatud standardis IEC 61010-1.

Keel: en, et
Alusdokumendid: IEC 61557-7:2019; EN IEC 61557-7:2022
Asendab dokumenti: EVS-EN 61557-7:2007

EVS-EN IEC 62052-11:2021/A11:2022

Elektrimõõteseadmed. Üldnõuded, katsetused ja katsetingimused. Osa 11: Mõõteseadmed
Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment

This part of IEC 62052 specifies requirements and associated tests, with their appropriate conditions for type testing of AC and DC electricity meters. This document details functional, mechanical, electrical and marking requirements, test methods, and test conditions, including immunity to external influences covering electromagnetic and climatic environments.

Keel: en
Alusdokumendid: EN IEC 62052-11:2021/A11:2022
Muudab dokumenti: EVS-EN IEC 62052-11:2021

19 KATSETAMINE

EVS-EN 17501:2022

Non-destructive testing - Thermographic testing - Active thermography with laser excitation

This document specifies a method and establishes guidelines for non-destructive testing using active thermography with laser excitation.
Active thermography with laser excitation is mainly applicable, but not limited, to different materials (e.g. composites, metals, ceramics) and to:
- the detection of surface-breaking discontinuities, particularly cracks;
- the detection of discontinuities located just below the surface or below coatings with an efficiency that diminishes rapidly with a few mm depth;
- the detection of disbonds and delamination parallel to the examined surface;
- the measurement of thermal material properties, like thermal diffusivity;
- the measurement of coating thickness.

The requirements for the equipment, for the verification of the system, for the surface condition of the test object, for the scanning conditions, for the recording, the processing and the interpretation of the results are specified. This document does not apply to the definition of acceptance criteria.
Active thermography with laser excitation can be applied in industrial production as well as in maintenance and repair (vehicle parts, engine parts, power plant, aerospace, etc.).

Keel: en
Alusdokumendid: EN 17501:2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 14912:2022

LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders

This document specifies the requirements for inspection and maintenance of LPG cylinder valves, either manually operated or self-closing, for reuse. It applies when the valve is either inspected or refurbished at the time of periodic inspection of the cylinder. This document may also be applied at any other time, for example, when maintenance of the valve is necessary.

Keel: en
Alusdokumendid: EN 14912:2022
Asendab dokumenti: EVS-EN 14912:2015

EVS-EN 751-3:2022

Tihendusmaterjalid metallist keermesühendustele kontaktis 1., 2. ja 3. perekonna gaasidega ja kuuma veega. Osa 3: Kuumutamata PTFE teibid ja nöörid
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes and PTFE strings

This document specifies requirements and test methods for unsintered polytetrafluorethylene (PTFE) tapes and polytetrafluorethylene (PTFE) strings (PTFE tapes or PTFE strings, for short) which are suitable for sealing threaded metallic joints as specified in EN 10226-1:2004. This document covers two classes of PTFE tapes and PTFE strings suitable for fine (F) and coarse (G) threads. The PTFE tapes and PTFE strings are used as sealing materials for metallic threaded joints in contact with 1st family gases (town gas), 2nd family gases (natural gas) and 3rd family gases (liquefied petroleum gases (LPG)) up to 500 kPa, up to 700 kPa for hot water of heating systems, and up to 20 kPa in gas appliances and their auxiliary equipment. The maximum working pressure covered in this document is 2000 kPa which is relevant to LPG storage. The temperature range is limited to −20 °C to 125 °C.

Keel: en
Alusdokumendid: EN 751-3:2022
Asendab dokumenti: EVS-EN 751-3:1999

25 TOOTMISTEHNOLOOGIA

EVS-EN ISO 18278-1:2022

Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO 18278-1:2022)

This document specifies procedures for assessing the generic weldability for resistance spot, seam and projection welding of uncoated and coated metals.

The purpose of the tests described in this document are to

a) compare the metallurgical weldability of different metals,
b) assess the weldability of differing component designs, e.g. dimensional configuration, stack-up, projection geometry, etc.,
c) investigate the effect of changes in welding parameters such as welding current, weld time, electrode force or complex welding schedules including pulse welding, current stepping etc. on weldability, and/or
d) compare the performance of resistance welding equipment.
Precise details of the test procedure to be used depend on which aspect of items a) to d) will be evaluated relative to the welding result obtained.

Keel: en
Alusdokumendid: ISO 18278-1:2022; EN ISO 18278-1:2022
Asendab dokumenti: EVS-EN ISO 18278-1:2015

EVS-EN ISO 4136:2022

Destructive tests on welds in metallic materials - Transverse tensile test (ISO 4136:2022)

This document specifies the sizes of test specimen and the procedure for carrying out transverse tensile tests in order to determine the tensile strength and the location of fracture of a welded butt joint.

This document applies to metallic materials in all forms of product with joints made by any welded butt joint.

Keel: en
Alusdokumendid: ISO 4136:2022; EN ISO 4136:2022
Asendab dokumenti: EVS-EN ISO 4136:2012

29 ELEKTROTEHNIKA

EVS-EN IEC 60810:2018/A2:2022

Lamps, light sources and LED packages for road vehicles - Performance requirements

Amendment to EN IEC 60810:2018.

Keel: en
Alusdokumendid: IEC 60810:2017/AMD2:2022; EN IEC 60810:2018/A2:2022
Muudab dokumenti: EVS-EN IEC 60810:2018

EVS-EN IEC 61340-5-3:2022

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

This part of IEC 61340 defines the ESD protective packaging properties needed to protect ESD sensitive devices (ESDS) through all phases of production, rework/maintenance, transport and storage. Test methods are referenced to evaluate packaging and packaging materials for these product and material properties. Performance limits are provided. This standard does not address protection from electromagnetic interference (EMI), electromagnetic pulsing (EMP) or protection of electrically initiated explosive materials or devices.

Keel: en

Alusdokumendid: IEC 61340-5-3:2022; EN IEC 61340-5-3:2022
Asendab dokumenti: EVS-EN 61340-5-3:2015

EVS-EN IEC 61557-3:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance (IEC 61557-3:2019)

Standardisarja IEC 61557 see osa sätestab nõuded liinijuhi ja kaitsejuhi, liinijuhi ja neutraaljuhi või kahe liinijuhi vahelise rikkesilmuse näivtakistuse mõõteseadmetele, mis kasutavad katsetamisel mõõtmiseks koormatud ahela pingelangu.

Keel: en, et
Alusdokumendid: IEC 61557-3:2019; EN IEC 61557-3:2022
Asendab dokumenti: EVS-EN 61557-3:2007

EVS-EN IEC 61557-7:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7: Faasijärjestus
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence (IEC 61557-7:2019)

Standardisarja IEC 61557 see osa sätestab nõuded kolmefaasilises jaotussüsteemis faasijärjestuse katsetamiseks kasutatavatele mõõteseadmetele. Faasijärjestuse näit võib olla mehaaniline, visuaalne ja/või akustiline.

See dokument ei kehti muude suuruste täiendavate mõõtmiste kohta. See ei kehti ka seirereleede kohta.

MÄRKUS Maailmas üldiselt kasutatavad kolmefaasilised süsteemid on esitatud standardis IEC 61010-1.

Keel: en, et
Alusdokumendid: IEC 61557-7:2019; EN IEC 61557-7:2022
Asendab dokumenti: EVS-EN 61557-7:2007

EVS-EN IEC 62196-6:2022

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation

IEC 62196-6:2022 is applicable to vehicle connectors, vehicle inlets and cable assemblies for electric vehicle (EV), intended for use in conductive charging systems which incorporate control means, with a rated operating voltage up to 120 V DC and rated current up to 100 A.

These accessories are intended to be used for a DC interface of the conductive charging system according to IEC 61851-25:2020.

Keel: en
Alusdokumendid: IEC 62196-6:2022; EN IEC 62196-6:2022

EVS-EN IEC 62271-102:2018/A1:2022

High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches

Amendment to EN IEC 62271-102:2018.

Keel: en
Alusdokumendid: IEC 62271-102:2018/AMD1:2022; EN IEC 62271-102:2018/A1:2022
Muudab dokumenti: EVS-EN IEC 62271-102:2018

31 ELEKTROONIKA

EVS-EN IEC 60749-10:2022

Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock - device and subassembly

IEC 60749-10:2022 is intended to evaluate devices in the free state and assembled to printed wiring boards for use in electrical equipment. The method is intended to determine the compatibility of devices and subassemblies to withstand moderately severe shocks. The use of subassemblies is a means to test devices in usage conditions as assembled to printed wiring boards. Mechanical shock due to suddenly applied forces, or abrupt change in motion produced by handling, transportation or field operation can disturb operating characteristics, particularly if the shock pulses are repetitive. This is a destructive test intended for device qualification.

Keel: en
Alusdokumendid: IEC 60749-10:2022; EN IEC 60749-10:2022

Asendab dokumenti: EVS-EN 60749-10:2003

33 SIDETEHNIKA

EVS-EN IEC 60794-1-310:2022

Optical fibre cables - Part 1-310: Generic specification - Basic optical cable test procedures - Cable element test methods - Strippability, method G10

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements of optical fibre cable elements for the mechanical property- strippability.

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.

Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

Keel: en
Alusdokumendid: IEC 60794-1-310:2022; EN IEC 60794-1-310:2022
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-23:2019

EVS-EN IEC 60794-3-40:2022

Optical fibre cables - Part 3-40: Outdoor cables - Family specification for cables for storm and sanitary sewers

This part of IEC 60794 is a family specification that covers sewer cables and conduits for installation by blowing and/ or pulling in man accessible and non-man accessible storm and sanitary sewers. Systems built with components covered by this standard are subject to the requirements of sectional specification IEC 60794-3.

Sewer cable and conduit constructions have to meet the different requirements of the sewer operating companies and/or associations regarding chemical, environmental, operational, cleaning and in general maintenance conditions. Preferential applications, describing sewer cable characteristics versus methods of installation is reported in Annex A and Annex B for non-man accessible sewers.

Clause 5 describes characteristics of sewer cables and conduits for installation by blowing, pulling or other means in storm and sanitary sewers.

Detail specifications may be prepared on the basis of this family specification.

The parameters specified in this standard may be affected by measurement uncertainty arising either from measurement errors or calibration errors due to lack of suitable standards.

Acceptance criteria should be interpreted with respect to this consideration. The number of fibres tested is representative of the sewer cable and should be agreed between the customer and the supplier.

Keel: en
Alusdokumendid: IEC 60794-3-40:2022; EN IEC 60794-3-40:2022
Asendab dokumenti: EVS-EN 60794-3-40:2009

35 INFOTEHNOLOOGIA

CEN/TR 17603-40:2022

Space engineering - Software engineering handbook

This Handbook provides advice, interpretations, elaborations and software engineering best practices for the implementation of the requirements specified in EN 16603-40 (based on ECSS-E-ST-40C). The handbook is intended to be applicable to both flight and ground. It has been produced to complement the EN 16603-40 Standard, in the area where space project experience has reported issues related to the applicability, the interpretation or the feasibility of the Standard. It should be read to clarify the spirit of the Standard, the intention of the authors or the industrial best practices when applying the Standard to a space project. The Handbook is not a software engineering book addressing the technical description and respective merits of software engineering methods and tools.

Keel: en
Alusdokumendid: CEN/TR 17603-40:2022

CEN/TR 17603-40-01:2022

Space engineering - Agile software development handbook

This Handbook provides recommendations for the implementation of an Agile approach in space software projects complying with EN 16603-40 (based on ECSS-E-ST-40) and EN 16602-80 (based on ECSS-Q-ST-80). This handbook is not an Agile development book, though it provides an Agile reference model based on Scrum and also covers other major Agile methods and techniques. Scrum has been selected as reference because of its widespread application in industry and its flexibility as a development framework to introduce or merge with other Agile methods and techniques. In relation to the EN 16603-40 and EN 16602-80, this handbook does not provide any tailoring of their requirements due to the use of the Agile approach, but demonstrates how compliance towards ECSS can be achieved. This handbook does not cover contractual aspects for this particular engineering approach, although it recognises that considering the approach of fixing cost and schedule and making the scope of functionalities variable, the customer and supplier need to establish specific contractual arrangements. Furthermore, it does not impose a particular finality for the use of Agile, either as a set of team values, project management process, specific techniques or supporting exploration by prototypes.

Keel: en
Alusdokumendid: CEN/TR 17603-40-01:2022

EVS-EN IEC 62623:2022

Desktop and notebook computers - Measurement of energy consumption

This International Standard covers personal computing products. It applies to desktop and notebook computers as defined in 4.1 that are marketed as final products and that are hereafter referred to as the equipment under test (EUT) or product. This standard specifies:

- a test procedure to enable the measurement of the power and/or energy consumption in each of the EUT's power modes;
- formulas for calculating the typical energy consumption (TEC) for a given period (normally annual);
- a majority profile that should be used with this standard which enables conversion of average power into energy within the TEC formulas;
- a pre-defined format for the presentation of results.

This standard does not set any pass/fail criteria for the EUTs. Users of the test results should define such criteria.

Keel: en
Alusdokumendid: IEC 62623:2022; EN IEC 62623:2022
Asendab dokumenti: EVS-EN 62623:2013

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 12252:2022

LPG equipment and accessories - Equipping of LPG road tankers

This document specifies equipment and accessories for road tankers used for the transport of Liquefied Petroleum Gas (LPG) and identifies the equipment that is considered necessary to ensure that filling, transportation and discharge operations can be carried out safely. It specifies the requirements for the assembly of the accessories and the vehicle LPG equipment to the road tanker. This document also identifies additional equipment and accessories that can be used on road tankers carrying LPG. This document does not preclude the use of alternative designs, materials and equipment testing which provide the same or a higher level of safety. ADR [9] requires that such alternative technical codes be recognized by the competent authority, provided that the minimum requirements of section 6.8.2 of ADR [9] are complied with.

This document does not apply to “tank-containers” or “battery-vehicles” used for the transport of LPG.

Keel: en
Alusdokumendid: EN 12252:2022
Asendab dokumenti: EVS-EN 12252:2014

EVS-EN 12979:2022

LPG equipment and accessories - Automotive LPG-systems - Installation requirements

This document specifies the requirements for the installation of automotive LPG components that comply with EN 12805 and EN 12806.

These requirements are to ensure safe operation of such components.

This document does not cover type approval of LPG motor vehicles.

NOTE Type approval requirements are covered in UN/ECE Regulations and EU legislation.

Keel: en
Alusdokumendid: EN 12979:2022
Asendab dokumenti: EVS-EN 12979:2002

EVS-EN IEC 62196-6:2022

Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 6: Dimensional compatibility requirements for DC pin and contact-tube vehicle couplers intended to be used for DC EV supply equipment where protection relies on electrical separation

IEC 62196-6:2022 is applicable to vehicle connectors, vehicle inlets and cable assemblies for electric vehicle (EV), intended for use in conductive charging systems which incorporate control means, with a rated operating voltage up to 120 V DC and rated current up to 100 A.

These accessories are intended to be used for a DC interface of the conductive charging system according to IEC 61851-25:2020.

Keel: en
Alusdokumendid: IEC 62196-6:2022; EN IEC 62196-6:2022

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 24656:2022

Cathodic protection of offshore wind structures (ISO 24656:2022)

This document specifies the requirements for the external and internal cathodic protection for offshore wind farm structures. It is applicable for structures and appurtenances in contact with seawater or seabed environments. This document addresses:

— design and implementation of cathodic protection systems for new steel structures;
— assessment of residual life of existing cathodic protection systems;
— design and implementation of retrofit cathodic protection systems for improvement of the protection level or for life extension of the protection;
— inspection and performance monitoring of cathodic protection systems installed on existing structures, and
— guidance on cathodic protection of reinforced concrete structures.

Keel: en
Alusdokumendid: ISO 24656:2022; EN ISO 24656:2022

49 LENNUNDUS JA KOSMOSETEHNIKA

CEN/TR 17603-32-21:2022
Space engineering - Adhesive bonding handbook

This handbook is an acceptable way of meeting the requirements of adhesive materials in bonded joints of EN 16603-32 (equivalent to ECSS-E-ST-32).

Keel: en
Alusdokumendid: CEN/TR 17603-32-21:2022

CEN/TR 17603-32-22:2022
Space engineering - Insert design handbook

This handbook recommends engineering inserts and practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs. The target users of this handbook are engineers involved in the design, analysis and verification of launchers and spacecraft in relation to insert usage. The current know-how is documented in this handbook in order to make expertise to all European developers of space systems.

It is a guidelines document, therefore it includes advisory information rather than requirements.

Keel: en
Alusdokumendid: CEN/TR 17603-32-22:2022

CEN/TR 17603-32-23:2022
Space engineering - Threaded fasteners handbook

The users of this document are engineers involved in design, analysis or verification of joints on structures used for space missions. It is a guidelines document; therefore it includes advisory information rather than requirements.

This document is intended to be applicable to any type of joint that is mechanically connected by threaded fasteners (e.g. bolts, screws, etc). It is written for joints made from metallic materials. However, subject to the engineering judgement of the user, many of the procedures presented herein may be applicable to joints made from composite materials.

Keel: en
Alusdokumendid: CEN/TR 17603-32-23:2022

CEN/TR 17603-32-24:2022
Space engineering - Buckling of structures

This document recommends engineering practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs and constraints. The target users of this handbook are engineers involved in design, analysis and verification of launchers and spacecraft in relation to structural stability issues. The current know-how is documented in this handbook in order to make this expertise available to all European developers of space systems.

It is a guidelines document; therefore it includes advisory information rather than requirements.

Keel: en
Alusdokumendid: CEN/TR 17603-32-24:2022

CEN/TR 17603-32-25:2022
Space engineering - Mechanical shock design and verification handbook

The intended users of the “Mechanical shock design and verification handbook” are engineers involved in design, analysis and verification in relation to shock environment in spacecraft. The current know-how relevant to mechanical shock design and verification is documented in this handbook in order to make this expertise available to all European spacecraft and payload developers.

The handbook provides adequate guidelines for shock design and verification; therefore it includes advisory information, recommendations and good practices, rather than requirements.

The handbook covers the shock in its globally, from the derivation of shock input to equipment and sub-systems inside a satellite structure, until its verification to ensure a successful qualification, and including its consequences on equipment and sub-systems. However the following aspects are not treated herein:

- No internal launcher shock is treated in the frame of this handbook even if some aspects are common to those presented hereafter. They are just considered as a shock source (after propagation in the launcher structure) at launcher/spacecraft interface.

- Shocks due to fall of structure or equipment are not taken into account as they are not in the frame of normal development of a spacecraft.

Keel: en
Alusdokumendid: CEN/TR 17603-32-25:2022

CEN/TR 17603-32-26:2022

Space engineering - Spacecraft mechanical loads analysis handbook

This document recommends engineering practices for European programs and projects. It may be cited in contracts and program documents as a reference for guidance to meet specific program/project needs and constraints. The target users of this handbook are engineers involved in design, analysis and verification of spacecraft and payloads in relation to general structural loads analysis issues. The current know-how is documented in this handbook in order to make this expertise available to all European developers of space systems.

It is a guidelines document; therefore it includes advisory information rather than requirements.

Keel: en
Alusdokumendid: CEN/TR 17603-32-26:2022

CEN/TR 17603-40:2022

Space engineering - Software engineering handbook

This Handbook provides advice, interpretations, elaborations and software engineering best practices for the implementation of the requirements specified in EN 16603-40 (based on ECSS-E-ST-40C). The handbook is intended to be applicable to both flight and ground. It has been produced to complement the EN 16603-40 Standard, in the area where space project experience has reported issues related to the applicability, the interpretation or the feasibility of the Standard. It should be read to clarify the spirit of the Standard, the intention of the authors or the industrial best practices when applying the Standard to a space project. The Handbook is not a software engineering book addressing the technical description and respective merits of software engineering methods and tools.

Keel: en
Alusdokumendid: CEN/TR 17603-40:2022

CEN/TR 17603-40-01:2022

Space engineering - Agile software development handbook

This Handbook provides recommendations for the implementation of an Agile approach in space software projects complying with EN 16603-40 (based on ECSS-E-ST-40) and EN 16602-80 (based on ECSS-Q-ST-80).

This handbook is not an Agile development book, though it provides an Agile reference model based on Scrum and also covers other major Agile methods and techniques. Scrum has been selected as reference because of its widespread application in industry and its flexibility as a development framework to introduce or merge with other Agile methods and techniques. In relation to the EN 16603-40 and EN 16602-80, this handbook does not provide any tailoring of their requirements due to the use of the Agile approach, but demonstrates how compliance towards ECSS can be achieved. This handbook does not cover contractual aspects for this particular engineering approach, although it recognises that considering the approach of fixing cost and schedule and making the scope of functionalities variable, the customer and supplier need to establish specific contractual arrangements. Furthermore, it does not impose a particular finality for the use of Agile, either as a set of team values, project management process, specific techniques or supporting exploration by prototypes.

Keel: en
Alusdokumendid: CEN/TR 17603-40-01:2022

CEN/TR 17603-50:2022

Space engineering - Communication guidelines

This ECSS handbook is intended to help implementers and users of data handling systems who are adhering to the EN 16603-50 (equivalent to ECSS-E-ST-50) series of standards. The handbook provides an overview of the EN 16603-50 standards and related CCSDS Recommended Standards and describes how the individual standards may be used together to form a coherent set of communications protocols. It also evaluates issues which could not be discussed in the Standards documents themselves, and provides guidance on option selection and implementation choices.

It provides guidance to the EN 16603-50 series of standards including related CCSDS Recommendations. The information provided is informative and intended to be used as best practice; it is not binding on implementers.

The information contained in this handbook is not part of the Standards. In the event of any conflict between the Standards and the material presented in this handbook, the ECSS Standards prevail.

Keel: en
Alusdokumendid: CEN/TR 17603-50:2022

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN ISO 340:2022

Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2022)

This document specifies a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

Keel: en
Alusdokumendid: ISO 340:2022; EN ISO 340:2022
Asendab dokumenti: EVS-EN ISO 340:2013

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 16495:2022

Packaging - Transport packaging for dangerous goods - Test methods (ISO 16495:2022)

This document specifies the information needed for the design type testing of packaging, intermediate bulk containers (IBCs) and large packaging intended for use in the transport of dangerous goods.

NOTE 1 This document can be used in conjunction with one or more of the international regulations set out in the Bibliography.
NOTE 2 The term “packaging” includes packaging for Class 6.2 infectious substances according to the United Nations.

Keel: en
Alusdokumendid: ISO 16495:2022; EN ISO 16495:2022
Asendab dokumenti: EVS-EN ISO 16495:2013

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN IEC 63203-201-1:2022

Wearable electronic devices and technologies - Part 201-1: Electronic Textile - Measurement methods for basic properties of conductive yarns

IEC 63203-201-1:2022 specifies provisions and test methods for measurement of properties of conductive yarns. Conductive yarns covered in this document have conductivity of a level that can be used for transmission of electric signals, supply of electric power and electromagnetic shield. They do not include high-resistance conductive yarn used for anti-static and heating use. Conductive yarns are the basic material in electronic textiles and are mainly used as conductive traces in clothes-type wearable devices, as well as with secondary processing (woven, knitted, embroidered, nonwoven, etc.) to provide conductive fabrics.

This document does not define the required characteristics of the conductive yarn; rather, it specifies the handling and measurement methods for general and electrical properties of conductive yarn.

Keel: en
Alusdokumendid: IEC 63203-201-1:2022; EN IEC 63203-201-1:2022

EVS-EN IEC 63203-201-2:2022

Wearable electronic devices and technologies - Part 201-2: Electronic textile - Measurement methods for basic properties of conductive fabrics and insulation materials

IEC 63203-201-2:2022 specifies the provisions for conductive fabrics and insulation materials used for electronic textiles and measurement methods for their properties.

Conductive fabrics covered by this document are basic materials in electronic textiles and are mainly used as conductive traces, electrodes and the like in clothes-type wearable devices. This document does not cover high-resistance conductive fabrics used for antistatic purposes and heater applications.

Insulating materials handled in this document are materials used for electrical insulation of conductive parts in electronic textiles. They include materials for covering the conductive parts, and general fabrics constituting the basic structure of clothes-type wearable devices.

This document does not define the required characteristics of the conductive fabric and insulation materials; rather, it specifies measurement methods for general and electrical properties of the conductive fabric and insulation materials.

Keel: en
Alusdokumendid: IEC 63203-201-2:2022; EN IEC 63203-201-2:2022

71 KEEMILINE TEHNOLOOGIA

EVS-EN 15031:2022

Chemicals used for treatment of swimming pool water - Aluminium based coagulants

This document is applicable to aluminium based coagulants (aluminium sulfate, aluminium chloride (monomeric), aluminium chloride hydroxide (monomeric), aluminium chloride hydroxide sulfate (monomeric), sodium aluminate and polyaluminium chloride hydroxide and polyaluminium chloride hydroxide sulfate) used directly or for the production of formulations for treatment of water for swimming pools.

It describes the characteristics of aluminium based coagulants and specifies the requirements and the corresponding test methods for aluminium based coagulants. It gives information on their use in swimming pool water treatment. It also determines the rules relating to safe handling and use (see Annex B).

Keel: en
Alusdokumendid: EN 15031:2022
Asendab dokumenti: EVS-EN 15031:2013

EVS-EN 15796:2022

Chemicals used for treatment of swimming pool water - Calcium hypochlorite

This document is applicable to calcium hypochlorite used directly, or for the production of formulations, for treatment of water for swimming pools. It describes the characteristics of calcium hypochlorite and specifies the requirements and the corresponding test methods for calcium hypochlorite. It gives information on its use in swimming pool water treatment. It also determines the rules relating to safe handling and use of calcium hypochlorite (see Annex B).

Keel: en
Alusdokumendid: EN 15796:2022
Asendab dokumenti: EVS-EN 15796:2010

EVS-EN 15797:2022

Chemicals used for the treatment of swimming pool water - Iron based coagulants

This document is applicable to iron based coagulants (iron (III) chloride, iron (III) chloride sulfate and iron (III) sulfate liquid) used directly or for the production of formulations for treatment of water for swimming pools. It describes the characteristics of iron based coagulants and specifies the requirements and the corresponding test methods for iron based coagulants. It gives information on their use in swimming pool water treatment. General information on iron based coagulants is given in Annex A.

It also determines the rules relating to safe handling and use (see Annex B).

Keel: en
Alusdokumendid: EN 15797:2022
Asendab dokumenti: EVS-EN 15797:2010

EVS-EN 15798:2022

Products used for the treatment of swimming pool water - Filter media

This document is applicable to filter media (virgin granular activated carbon, silica sand and silica gravel, pumice, pyrolyzed coal material, anthracite and calcium carbonate) used for filtration of swimming pool water, with or without chemical action. It describes the characteristics of filter media and specifies the requirements and the corresponding test methods for filter media. It gives information on their use in swimming pool water treatment.

This document does not concern powdered diatomaceous earth, perlite, zeolite and any other filter media used with filter cartridges or similar filter elements.

Keel: en
Alusdokumendid: EN 15798:2022
Asendab dokumenti: EVS-EN 15798:2010

EVS-EN 15799:2022

Products used for treatment of swimming pool water - Powdered activated carbon

This document is applicable to powdered activated carbon used for treatment of swimming pool water. It describes the characteristics of powdered activated carbon and specifies the requirements and the corresponding test methods for powdered activated carbon. It gives information on its use in swimming pool water treatment.

Keel: en
Alusdokumendid: EN 15799:2022
Asendab dokumenti: EVS-EN 15799:2010

EVS-EN 899:2022

Chemicals used for treatment of water intended for human consumption - Sulfuric acid

This document is applicable to sulfuric acid used for treatment of water intended for human consumption. It describes the characteristics of sulfuric acid and specifies the requirements and the corresponding test methods for sulfuric acid. It gives information on its use in water treatment.

Keel: en
Alusdokumendid: EN 899:2022
Asendab dokumenti: EVS-EN 899:2009

73 MÄENDUS JA MAAVARAD

EVS-EN 15163-1:2022

Looduskivi kasutamise ja töötlemise masinad ja paigaldised. Ohutus. Osa 1: Nõuded transporditavatele teemanttraatsaagidele
Machines and installations for the exploitation and processing of natural stone - Safety - Part 1: Requirements for stationary diamond wire saws

This document deals with all significant hazards, hazardous situations and events, as listed in Annex A, which are relevant to stationary diamond wire saws (stationary diamond mono-wire saws and stationary diamond multi-wire saws), as defined in Clause 3.

Stationary diamond wire saws may be used in quarries or in sawmill for cutting natural stones (e.g. marble, granite), when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A).

This document deals only with stationary diamond wire saws using coated diamond wire as tool. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. This document deals all significant hazards that may occur within the expected lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.

This document does not deal with the significant hazards arising by the use of other facilities/devices not described in this document, that may be fitted on the machines or that may be used during the work cycle.

This document does not deal with:

a) operation under extreme ambient conditions (outside the limits defined in EN 60204-1:2018);
b) upstream and downstream conveying elements, not integrated with stationary diamond wire saws, for transporting of the work-pieces.

This document is not applicable to machines which are manufactured before the date of publication of this document by CEN.

Keel: en

Alusdokumendid: EN 15163-1:2022
Asendab dokumenti: EVS-EN 15163:2017

EVS-EN 15163-2:2022

Looduskivi kasutamise ja töötlemise masinad ja paigaldised. Ohutus. Osa 2: Nõuded transporditavatele teemanttraatsaagidele
Machines and installations for the exploitation and processing of natural stone - Safety - Part 2: Requirements for transportable diamond wire saws

This document deals with all significant hazards, hazardous situations and events which are relevant to transportable diamond wire saws, used in quarries for cutting natural stones (e.g. marble, granite), when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A).

For this document, the intended use of machine is limited by the following cutting operations, defined in Clause 3:
1) vertical cut (see 3.16);
a) mountain vertical cut (see 3.16.1);
b) mountain side vertical cut (see 3.16.2);
c) block vertical cut (see 3.16.3);
d) overhead underslung vertical cut (see 3.16.4);
2) horizontal cut (see 3.17);
a) horizontal cut with one side open (see 3.17.1);
b) horizontal cut with two sides open (see 3.17.2);
3) block inclined cut (see 3.18).

Cutting operations listed above are performed without any path variation (see 3.11).

This document does not deal with any other cutting operation not listed above or defined in Clause 3.

This document deals only with transportable diamond wire saws using coated diamond wire as tool.

This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards.

This document deals with all significant hazards that could occur within the expected lifetime of the machinery including the phases of transport, assembly, dismantling, disabling and scrapping.

This document does not deal with the significant hazards arising by the use of other facilities/devices not described in this document, that could be fitted on the machines or that could be used during the work cycle.

This document does not apply to:
i) machines intended for operation in a potentially explosive atmosphere;
ii) machines which are manufactured before the date of publication of this document.

Keel: en
Alusdokumendid: EN 15163-2:2022
Asendab dokumenti: EVS-EN 15163:2017

77 METALLURGIA

EVS-EN ISO 24656:2022

Cathodic protection of offshore wind structures (ISO 24656:2022)

This document specifies the requirements for the external and internal cathodic protection for offshore wind farm structures. It is applicable for structures and appurtenances in contact with seawater or seabed environments. This document addresses:

— design and implementation of cathodic protection systems for new steel structures;
— assessment of residual life of existing cathodic protection systems;
— design and implementation of retrofit cathodic protection systems for improvement of the protection level or for life extension of the protection;
— inspection and performance monitoring of cathodic protection systems installed on existing structures, and
— guidance on cathodic protection of reinforced concrete structures.

Keel: en
Alusdokumendid: ISO 24656:2022; EN ISO 24656:2022

79 PUIDUTEHNOLOOGIA

EVS-EN 14081-2:2019+A1:2022

Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 2: Masinsortimine. Täiendavad nõuded tüübikatsetusteks
Timber structures - Strength graded structural timber with rectangular cross section - Part 2: Machine grading; additional requirements for type testing

See dokument määrab kindlaks lisaks standardis EN 14081-1 antutele nõuded nelinurkse ristlõikega saagimisega, hööveldamisega või muu meetodiga vormitud ja standardile EN 336 vastava sihtmõõtmete hälbega tugevussorditud ehituspuidu tüübikatsetustele. See sisaldab nõudeid tugevussortimise masinatele.

Keel: en, et
Alusdokumendid: EN 14081-2:2018+A1:2022
Asendab dokumenti: EVS-EN 14081-2:2019

EVS-EN 14734:2022

Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method

This document specifies a laboratory method for the determination of the treatability of wood in order to determine the likely reaction of different wood species to impregnation with wood preservatives. It is also applicable to investigate variation between samples of the same species but of different origin.

Keel: en
Alusdokumendid: EN 14734:2022
Asendab dokumenti: CEN/TR 14734:2004

EVS-EN 384:2016+A2:2022

Structural timber - Determination of characteristic values of mechanical properties and density

This European Standard gives a method for determining characteristic values of mechanical properties and density, for defined populations of visual grades and/or strength classes of machine graded structural timber. Additionally it covers the stages of sampling, testing, analysis and presentation of the data.

The standard provides methods to derive strength, stiffness and density properties for structural timber from tests with defect-free specimen.

The values determined in accordance with this standard for mechanical properties and density are suitable for assigning grades and species to the strength classes of EN 338.

NOTE 1 For assigning grades and species to the strength classes in EN 338 only three properties, i.e. bending or tension strength, modulus of elasticity parallel to grain in bending or tension and density need to be determined from test data, other properties can be calculated according to Table 2.

NOTE 2 EN 1912 gives examples of established visual grades assigned to strength classes.

Keel: en
Alusdokumendid: EN 384:2016+A2:2022
Asendab dokumenti: EVS-EN 384:2016+A1:2018

83 KUMMI- JA PLASTITÖÖSTUS

CWA 17896:2022

Test method for the evaluation of the adhesive properties of fibre reinforced polymer composite joints

This document provides a test method for the determination of the adhesive properties in joints of continuous fibre reinforced polymer matrix composite structures using the Lap Strap specimen.

The evaluation includes the optional concurrent use of the non-destructive technique of the Electrical Resistance Change Method (ERCM) and/or Acoustic Emission (AE) for the monitoring of the debonding of the lap from the strap optionally. The ERCM NDE technique has a limited application only on carbon fibre composites due to the inherent electrical conductivity of the carbon fibres. This test applies to composites manufactured with continuous carbon fibres (woven or unidirectional) and thermoset or thermoplastic matrices, with quasi-isotropic lamination. This methodology can be used on repairable or self-healing composites in order to estimate the repair or healing efficiency respectively.

Safety aspects about manufacturing and mechanical testing of the composites are excluded.

Keel: en
Alusdokumendid: CWA 17896:2022

EVS-EN 17615:2022

Plastics - Environmental Aspects - Vocabulary

This document specifies terms and definitions in the field of plastics related to environmental aspects and provides a common vocabulary for:

- bio-based plastics;
- biodegradability;
- carbon and environmental footprint;
- circular economy;
- design;
- plastics in natural environments;
- reuse and recycling;
- waste management.

This document aims to provide a comprehensive glossary which uses the applicable definitions providing when appropriate additional notes to make these definitions understandable without reference to other documents. Definitions are as far as possible adopted from existing standards but when the original intention or definition is unclear additional context or definitions are provided.

Keel: en
Alusdokumendid: EN 17615:2022

91 EHITUSMATERJALID JA EHITUS

EVS-EN 50470-3:2022

Elektrimõõteseadmed. Osa 3: Erinõuded. Staatilised aktiivenergia arvestid (klass A, B ja C) Electricity metering equipment - Part 3: Particular requirements - Static meters for AC active energy (class indexes A, B and C)

This document applies only to static watt-hour meters of accuracy classes A, B and C for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only.

NOTE 1 For general requirements, such as construction, EMC, safety, dependability etc., see the relevant EN 62052 series or EN 62059 series.

This document applies to electricity metering equipment designed to:

— measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC;

NOTE 2 For AC electricity meters, the voltage mentioned above is the line-to-neutral voltage derived from nominal voltages. See EN 62052-31:2016, Table 7.

— have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays;
— operate with integrated or detached indicating displays;
— be installed in a specified matching sockets or racks;
— optionally, provide additional functions other than those for measurement of electrical energy.

Meters designed for operation with low power instrument transformers (LPITs as defined in the IEC 61869 series) can be tested for compliance with this document only if such meters and their LPITs are tested together and meet the requirements for directly connected meters.

NOTE 3 Modern electricity meters typically contain additional functions such as measurement of voltage magnitude, current magnitude, power, frequency, power factor, etc.; measurement of power quality parameters; load control functions; delivery, time, test, accounting, recording functions; data communication interfaces and associated data security functions.

The relevant standards for these functions could apply in addition to the requirements of this document. However, the requirements for such functions are outside the scope of this document.

NOTE 4 Product requirements for power metering and monitoring devices (PMDs) and measurement functions such as voltage magnitude, current magnitude, power, frequency, etc., are covered in EN 61557-12. However, devices compliant with EN 61557-12 are not intended to be used as billing meters unless they are also compliant with the EN IEC 62052-11:2021 and prEN 50470-3:2021 standards.

NOTE 5 Product requirements for power quality instruments (PQIs) are covered in EN 62586-1. Requirements for power quality measurement techniques (functions) are covered in EN 61000-4-30. Requirements for testing of the power quality measurement functions are covered in EN 62586-2.

This document does not apply to:

— meters for which the voltage line-to-neutral derived from nominal voltages exceeds 1 000 V AC;
— meters intended for connection with low power instrument transformers (LPITs as defined in the EN 61869 series) when tested without such transformers;
— metering systems comprising multiple devices (except of LPITs) physically remote from one another;
— portable meters;

NOTE 6 Portable meters are meters that are not permanently connected.

— meters used in rolling stock, vehicles, ships and airplanes;
— laboratory and meter test equipment
— reference standard meters;
— data interfaces to the register of the meter;
— matching sockets or racks used for installation of electricity metering equipment;
— any additional functions provided in electrical energy meters.

This document does not cover measures for the detection and prevention of fraudulent attempts to compromise meter's performance (tampering).

NOTE 7 Nevertheless, specific tampering detection and prevention requirements, and test methods, as relevant for a particular market are subject to the agreement between the manufacturer and the purchaser.

NOTE 8 Specifying requirements and test methods for fraud detection and prevention would be counterproductive, as such specifications would provide guidance for potential fraudsters.

NOTE 9 There are many types of meter tampering reported from various markets; therefore, designing meters to detect and prevent all types of tampering could lead to unjustified increase in costs of meter design, verification and validation.

NOTE 10 Billing systems, such as, smart metering systems, are capable of detecting irregular consumption patterns and irregular network losses which enable discovery of suspected meter tampering.

NOTE 11 For transformer operated meters paired with current transformers (CTs) according EN 61869-2: the standard CT measuring range is specified from 0,05 In to I max for accuracy classes 0,1, 0,2, 0,5 and 1 and these CTs are used for meters of class C, B and A according to this document.

NOTE 12 This document does not specify emission requirements, these are specified in EN IEC 62052-11:2021, 9.3.14.

Keel: en
Alusdokumendid: EN 50470-3:2022
Asendab dokumenti: EVS-EN 50470-3:2007
Asendab dokumenti: EVS-EN 50470-3:2007/A1:2019
Asendab dokumenti: EVS-EN 50470-3:2007+A1:2019

EVS-EN 61770:2009/A12:2022

Veevõrguga ühendatud elektriseadmed. Tagasivoolu ja voolikute tõrke vältimine
Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets

The standard specifies requirements for appliances for household and similar purposes to prevent the backflow of non-potable water into the water mains. It also specifies requirements for hose sets used for connecting such appliances to the water mains that supply water at a pressure not exceeding 1 MPa.

Keel: en
Alusdokumendid: EN 61770:2009/A12:2022
Muudab dokumenti: EVS-EN 61770:2009

EVS-EN 81-28:2022

Liftide konstruktsiooni ja paigalduse ohutuseeskirjad. Inimeste ja kaupade transpordiks mõeldud liftid. Osa 28: Sõidu- ja kaubaliftide kaughäiresüsteem
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts

This document specifies the technical requirements for the alarm systems for passenger and goods passenger lifts, as described in the EN 81 series.

This includes:

- activation of the alarm,
- transmission of the alarm,
- information for use and maintenance,
- site testing to verify the requirements of this document have been met before the lift is used.

Excluded are:
- the failure of the communication network (see Annex A), including mobile network signal strength or similar;
- the failure of the network power supply such that all the lifts in a geographical area create entrapment simultaneously.

This document deals with the following significant hazards, hazardous situations or hazardous events relevant to lift, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer:
- risk of entrapment of users in the car and in the well.

This document is not applicable to alarm systems for lifts installed before the date of its publication.

Keel: en
Alusdokumendid: EN 81-28:2022
Asendab dokumenti: EVS-EN 81-28:2018

93 RAJATISED

EVS-EN ISO 17892-1:2014+A1:2022

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content (ISO 17892-1:2014 + ISO 17892-1:2014/Amd 1:2022)

This International Standard specifies a method of determining the water content of soils. This International Standard is applicable to the laboratory determination of the water (also known as moisture) content of a soil test specimen by oven-drying within the scope of geotechnical investigations. The water content is required as a guide to the classification of natural soils and as a control criterion in re-compacted soils, and is measured on samples used for most field and laboratory tests. The oven-drying method is the definitive procedure used in usual laboratory practice. The practical procedure for determining the water content of a soil is to determine the mass loss on drying the test specimen to a

constant mass in a drying oven controlled at a given temperature. The mass loss is assumed to be due to free water and is referenced to the remaining dry mass of solid particles.

NOTE This document fulfils the requirements of the determination of water content of soils for geotechnical investigation and testing in accordance with EN 1997–1 and EN 1997–2.

Keel: en
Alusdokumendid: ISO 17892-1:2014; EN ISO 17892-1:2014; ISO 17892-1:2014/Amd 1:2022; EN ISO 17892-1:2014/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 17892-1:2014
Konsolideerib dokumenti: EVS-EN ISO 17892-1:2014/A1:2022

97 OLME. MEELELAHUTUS. SPORT

CLC/TS 50677:2022

Clothes washing machines and washer-dryers for household and similar use - Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials

This document provides a method for the evaluation of the rinsing effectiveness of household clothes washing machines, washer dryers and commercial washing machines. The amount of residual linear alkylbenzene sulfonate surfactant (LAS) extracted from the unstained test swatches of the strips used in the washing performance test is determined. This is accomplished by measuring the ultraviolet (UV) light absorbance at the wavelength particular to LAS, a key ingredient of the detergent. Assuming a fixed linear relationship between LAS amount and quantity of detergent mixture and using a concentration versus absorbance curve developed as part of this procedure, the absorbance values are then converted into detergent concentrations, which together with the test solution mass data, yields detergent quantities. This assumption is done, because in the frame of this test it is not possible to determine the exact amount of LAS involved, even in the concentration curves, but only the amount of detergent used.

On the textiles, this linear relationship is not given, but it is nevertheless used to express the amount of LAS as determined by UV light absorbance measurements in terms of a detergent amount.

Keel: en
Alusdokumendid: CLC/TS 50677:2022
Asendab dokumenti: CLC/TS 50677:2019

EVS-EN 14344:2022

Lapsehooldustooted. Laste jalgrattatoolid. Ohutusnõuded ja katsemeetodid
Child care articles - Child seats for cycles - Safety requirements and test methods

This document specifies requirements for child seats intended to be mounted on cycles and electrical power assisted cycles with a cut off speed of up to 25 km/h (i.e. according to EN 15194), their attachment system and accessories intended to be attached to the seat in order to transport children with a weight from 9 kg up to 22 kg and who are capable of sitting unaided.

NOTE 1 Some European countries have special legislation for child seats for cycles. Compliance with this document might not meet this legislation.

NOTE 2 Where a child seat or any part of the child seat has several functions or can be converted into another function, other relevant standards might be applicable.

NOTE 3 Additional rationales are presented in Annex E for inclusion of some of the requirements given in this document.

Keel: en
Alusdokumendid: EN 14344:2022
Asendab dokumenti: EVS-EN 14344:2004

EVS-EN 17667:2022

Test method - Determination of thermal resistance of filled textile articles and similar items using small guarded hotplate apparatus

This method of test specifies a test method for determining the thermal resistance of textile articles which may be filled, e.g. padded coats and jackets, child sleep bags, cot duvets, etc., or textiles articles with a thermal resistance of up to 0,5 m2K/W (5,0 tog) and/or which do not have uniform thickness.

The test method is applicable to products with a thermal resistance within the range 0,025 m2K/W (0,25 tog) to approximately 0,5 m2K/W (5,0 tog) but is limited only by the ability of the test apparatus to cope with the thickness of the test sample.

Keel: en
Alusdokumendid: EN 17667:2022

EVS-EN 497:2022

Vedelgaasiseadmete tehniline kirjeldus. Mitmeotstarbelised keedupõletid välistingimustes kasutamiseks. Keedunõud läbimõõduga üle 300 mm
Specification for dedicated liquefied petroleum gas appliances - Multi purpose boiling burners for outdoor use - Cooking vessels with a diameter greater than 300 mm

This standard specifies the constructional and performance characteristics, safety specifications and rational use of energy, relevant test methods and marking of burners burning liquefied petroleum gas and designed to heat up vessels of diameter greater

than 300 mm, containing liquids or food. This standard overs appliances, generally floor standing, fitted with one or several open burners without enclosure, designed to be used outdoors and operating with the gases corresponding to the categories indicated in 4.

Keel: en
Alusdokumendid: EN 497:2022
Asendab dokumenti: EVS-EN 497:1999

EVS-EN 61770:2009/A12:2022

Veevõrguga ühendatud elektriseadmed. Tagasivoolu ja voolikute tõrke vältimine
Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets

The standard specifies requirements for appliances for household and similar purposes to prevent the backflow of non-potable water into the water mains. It also specifies requirements for hose sets used for connecting such appliances to the water mains that supply water at a pressure not exceeding 1 MPa.

Keel: en
Alusdokumendid: EN 61770:2009/A12:2022
Muudab dokumenti: EVS-EN 61770:2009

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)

IEC 60730-2-14:2017 applies to electric actuators for use in, on, or in association with equipment for household and similar use. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof. This International Standard is applicable to controls for building automation within the scope of ISO 16484. This part 2-14 also applies to automatic electrical controls for equipment that may be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications.

EXAMPLE Controls for commercial catering, heating and air-conditioning equipment. Electric actuators for appliances are within the scope of IEC 60335.

This second edition cancels and replaces the first edition, published in 1995, its Amendment 1 (2001) and its Amendment 2 (2007). This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: adapting it to the 5th Ed of IEC 60730-1, addition of checking electric actuators with action 1.AB or 2AB, and modification of tests under abnormal condition. This Part 2-14 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the 5th edition of that standard (2013). Consideration may be given to future editions of, or amendments to, IEC 60730-1. This part 2-14 supplements or modifies the corresponding clauses in IEC 60730-1, so as to convert that publication into the IEC standard: Particular requirements for electric actuators. Where this part 2-14 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in part 1 should be adapted accordingly. Where no change is necessary part 2-14 indicates that the relevant clause or subclause applies.

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
Konsolideerib dokumenti: EVS-EN IEC 60730-2-14:2019
Konsolideerib dokumenti: EVS-EN IEC 60730-2-14:2019/A1:2022
Konsolideerib dokumenti: EVS-EN IEC 60730-2-14:2019/A2:2021

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 15341:2019
Hooldus. Hoolduse võtmenäitajad
Maintenance - Maintenance Key Performance Indicators

Keel: en, et
Alusdokumendid: EN 15341:2019
Asendatud järgmise dokumendiga: EVS-EN 15341:2019+A1:2022
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 9999:2016
Assistive products for persons with disability - Classification and terminology (ISO 9999:2016)

Keel: en
Alusdokumendid: ISO 9999:2016; EN ISO 9999:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 9999:2022
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 81-28:2018
Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kaupade transpordiks mõeldud liftid. Osa 28: Sõidu- ja kaubaliftide kaugside-häiresüsteem (parandatud väljaanne 01.2019)
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts (Corrected version 01.2019)

Keel: en
Alusdokumendid: EN 81-28:2018+AC:2019
Asendatud järgmise dokumendiga: EVS-EN 81-28:2022
Standardi staatus: Kehtetu

EVS-EN ISO 15537:2005
Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs

Keel: en
Alusdokumendid: ISO 15537:2004; EN ISO 15537:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 15537:2022
Standardi staatus: Kehtetu

EVS-EN ISO 16495:2013
Packaging - Transport packaging for dangerous goods - Test methods (ISO 16495:2013)

Keel: en
Alusdokumendid: ISO 16495:2013; EN ISO 16495:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 16495:2022
Standardi staatus: Kehtetu

EVS-EN ISO 340:2013
Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2013)

Keel: en
Alusdokumendid: ISO 340:2013; EN ISO 340:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 340:2022
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 61340-5-3:2015

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

Keel: en
Alusdokumendid: IEC 61340-5-3:2015; EN 61340-5-3:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-5-3:2022
Standardi staatus: Kehtetu

EVS-EN 61557-3:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance (IEC 61557-3:2007)

Keel: en, et
Alusdokumendid: IEC 61557-3:2007; EN 61557-3:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-3:2022
Standardi staatus: Kehtetu

EVS-EN 61557-7:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7: Faasijärjestus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence (IEC 61557-7:2007)

Keel: en, et
Alusdokumendid: IEC 61557-7:2007; EN 61557-7:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-7:2022
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 14912:2015

LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders

Keel: en
Alusdokumendid: EN 14912:2015
Asendatud järgmise dokumendiga: EVS-EN 14912:2022
Standardi staatus: Kehtetu

EVS-EN 751-3:1999

Tihendusmaterjalid metallist keermesühendustele kontaktis 1., 2. ja 3. perekonna gaasidega ja kuuma veega. Osa 3: Kuumutamata PTFE teibid
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes

Keel: en
Alusdokumendid: EN 751-3:1996; EN 751-3:1996/AC:1997
Asendatud järgmise dokumendiga: EVS-EN 751-3:2022
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN ISO 18278-1:2015

Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO 18278-1:2015)

Keel: en
Alusdokumendid: ISO 18278-1:2015; EN ISO 18278-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 18278-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4136:2012

Metalsete materjalide keevisõmbluste purustav katsetamine. Ristsuunalised (põiksuunalised) tõmbekatsed
Destructive tests on welds in metallic materials - Transverse tensile test (ISO 4136:2012)

Keel: en, et
Alusdokumendid: ISO 4136:2012; EN ISO 4136:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 4136:2022
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 61340-5-3:2015

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices

Keel: en
Alusdokumendid: IEC 61340-5-3:2015; EN 61340-5-3:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-5-3:2022
Standardi staatus: Kehtetu

EVS-EN 61557-3:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance (IEC 61557-3:2007)

Keel: en, et
Alusdokumendid: IEC 61557-3:2007; EN 61557-3:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-3:2022
Standardi staatus: Kehtetu

EVS-EN 61557-7:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7: Faasijärjestus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence (IEC 61557-7:2007)

Keel: en, et
Alusdokumendid: IEC 61557-7:2007; EN 61557-7:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-7:2022
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 60749-10:2003

Semiconductor devices - Mechanical and climatic test methods - Part 10: Mechanical shock

Keel: en
Alusdokumendid: IEC 60749-10:2002; EN 60749-10:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 60749-10:2022
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 60794-3-40:2009

Optical fibre cables - Part 3-40: Outdoor cables - Family specification for sewer cables and conduits for installation by blowing and/or pulling in non-man accessible storm and sanitary sewers

Keel: en
Alusdokumendid: IEC 60794-3-40:2008; EN 60794-3-40:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-3-40:2022
Standardi staatus: Kehtetu

EVS-EN IEC 60794-1-23:2019
Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods

Keel: en
Alusdokumendid: IEC 60794-1-23:2019; EN IEC 60794-1-23:2019
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-310:2022
Osaliselt asendatud järgmise dokumendiga: prEN IEC 60794-1-303:2022
Standardi staatus: Kehtiv

35 INFOTEHNOLOOGIA

EVS-EN 62623:2013
Desktop and notebook computers - Measurement of energy consumption (IEC 62623:2012)

Keel: en
Alusdokumendid: IEC 62623:2012; EN 62623:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62623:2022
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 12252:2014
LPG equipment and accessories - Equipping of LPG road tankers

Keel: en
Alusdokumendid: EN 12252:2014
Asendatud järgmise dokumendiga: EVS-EN 12252:2022
Standardi staatus: Kehtetu

EVS-EN 12979:2002
Automotive LPG-systems - Installation requirements

Keel: en
Alusdokumendid: EN 12979:2002
Asendatud järgmise dokumendiga: EVS-EN 12979:2022
Standardi staatus: Kehtetu

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN ISO 340:2013
Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO 340:2013)

Keel: en
Alusdokumendid: ISO 340:2013; EN ISO 340:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 340:2022
Standardi staatus: Kehtetu

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 16495:2013
Packaging - Transport packaging for dangerous goods - Test methods (ISO 16495:2013)

Keel: en
Alusdokumendid: ISO 16495:2013; EN ISO 16495:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 16495:2022
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 15031:2013
Chemicals used for treatment of swimming pool water - Aluminium based coagulants

Keel: en
Alusdokumendid: EN 15031:2013
Asendatud järgmise dokumendiga: EVS-EN 15031:2022
Standardi staatus: Kehtetu

EVS-EN 15796:2010
Chemicals used for treatment of swimming pool water - Calcium hypochlorite

Keel: en
Alusdokumendid: EN 15796:2010
Asendatud järgmise dokumendiga: EVS-EN 15796:2022
Standardi staatus: Kehtetu

EVS-EN 15797:2010
Chemicals used for the treatment of swimming pool water - Iron based coagulants

Keel: en
Alusdokumendid: EN 15797:2010
Asendatud järgmise dokumendiga: EVS-EN 15797:2022
Standardi staatus: Kehtetu

EVS-EN 15798:2010
Products used for the treatment of swimming pool water - Filter media

Keel: en
Alusdokumendid: EN 15798:2010
Asendatud järgmise dokumendiga: EVS-EN 15798:2022
Standardi staatus: Kehtetu

EVS-EN 15799:2010
Products used for treatment of swimming pool water - Powdered activated carbon

Keel: en
Alusdokumendid: EN 15799:2010
Asendatud järgmise dokumendiga: EVS-EN 15799:2022
Standardi staatus: Kehtetu

EVS-EN 899:2009
Chemicals used for treatment of water intended for human consumption - Sulphuric acid

Keel: en
Alusdokumendid: EN 899:2009
Asendatud järgmise dokumendiga: EVS-EN 899:2022
Standardi staatus: Kehtetu

73 MÄENDUS JA MAAVARAD

EVS-EN 15163:2017
Looduskivi kasutamise ja töötlemise masinad ja paigaldised. Ohutus. Nõuded teemantsaagidele
Machines and installations for the exploitation and processing of natural stone - Safety - Requirements for diamond wire saws

Keel: en
Alusdokumendid: EN 15163:2017
Asendatud järgmise dokumendiga: EVS-EN 15163-1:2022
Asendatud järgmise dokumendiga: EVS-EN 15163-2:2022
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

CEN/TR 14734:2004
Durability of wood and wood-based products - Determination of treatability of timber species to be impregnated with wood preservatives - Laboratory method

Keel: en
Alusdokumendid: CEN/TR 14734:2004
Asendatud järgmise dokumendiga: EVS-EN 14734:2022
Standardi staatus: Kehtetu

EVS-EN 14081-2:2019
Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 2: Masinsortimine. Täiendavad nõuded esmasteks tüübikatsetusteks
Timber structures - Strength graded structural timber with rectangular cross section - Part 2: Machine grading; additional requirements for type testing

Keel: en, et
Alusdokumendid: EN 14081-2:2018
Asendatud järgmise dokumendiga: EVS-EN 14081-2:2019+A1:2022
Standardi staatus: Kehtetu

EVS-EN 384:2016+A1:2018

Structural timber - Determination of characteristic values of mechanical properties and density

Keel: en
Alusdokumendid: EN 384:2016+A1:2018
Asendatud järgmise dokumendiga: EVS-EN 384:2016+A2:2022
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 50470-3:2007

Elektrimõõteseadmed vahelduvvoolule. Osa 3: Erinõuded. Staatilised aktiivenergia arvestid (klass A, B ja C)
Electricity metering equipment (a.c.) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)

Keel: en, et
Alusdokumendid: EN 50470-3:2006
Asendatud järgmise dokumendiga: EVS-EN 50470-3:2022
Konsolideeritud järgmise dokumendiga: EVS-EN 50470-3:2007+A1:2019
Muudetud järgmise dokumendiga: EVS-EN 50470-3:2007/A1:2019
Standardi staatus: Kehtetu

EVS-EN 50470-3:2007/A1:2019

Elektrimõõteseadmed vahelduvvoolule. Osa 3: Erinõuded. Staatilised aktiivenergia arvestid (klass A, B ja C)
Electricity metering equipment (a.c.) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)

Keel: en, et
Alusdokumendid: EN 50470-3:2006/A1:2018
Asendatud järgmise dokumendiga: EVS-EN 50470-3:2022
Konsolideeritud järgmise dokumendiga: EVS-EN 50470-3:2007+A1:2019
Standardi staatus: Kehtetu

EVS-EN 50470-3:2007+A1:2019

Elektrimõõteseadmed vahelduvvoolule. Osa 3: Erinõuded. Staatilised aktiivenergia arvestid (klass A, B ja C)
Electricity metering equipment (a.c.) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)

Keel: en, et
Alusdokumendid: EN 50470-3:2006; EN 50470-3:2006/A1:2018
Asendatud järgmise dokumendiga: EVS-EN 50470-3:2022
Standardi staatus: Kehtetu

EVS-EN 81-28:2018

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kaupade transpordiks mõeldud liftid. Osa 28: Sõidu- ja kaubaliftide kaugside-häiresüsteem (parandatud väljaanne 01.2019)
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 28: Remote alarm on passenger and goods passenger lifts (Corrected version 01.2019)

Keel: en
Alusdokumendid: EN 81-28:2018+AC:2019
Asendatud järgmise dokumendiga: EVS-EN 81-28:2022
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CLC/TS 50677:2019

Clothes washing machines and washer-dryers for household and similar use - Method for the determination of rinsing effectiveness by measurement of the surfactant content at textile materials

Keel: en
Alusdokumendid: CLC/TS 50677:2019
Asendatud järgmise dokumendiga: CLC/TS 50677:2022
Standardi staatus: Kehtetu

EVS-EN 14344:2004

Lastele kasutamiseks ja laste hooldamiseks mõeldud tooted. Laste jalgrattatoolid. Ohutusnõuded ja katsemeetodid
Child use and care articles - Child seats for cycles - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 14344:2004
Asendatud järgmise dokumendiga: EVS-EN 14344:2022
Standardi staatus: Kehtetu

EVS-EN 497:1999

Vedelgaasiseadmete tehniline kirjeldus. Polüfunktsionaalsed keedupõletid õues kasutamiseks
Specification for dedicated liquefied petroleum gas appliances - Multi purpose boiling burners for outdoor use

Keel: en
Alusdokumendid: EN 497:1997
Asendatud järgmise dokumendiga: EVS-EN 497:2022
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

FprEN ISO 13349-1
Fans - Vocabulary and definitions of categories - Part 1: Vocabulary (ISO/FDIS 13349-1:2022)

This document defines terms in the field of fans used for all purposes.

It is not applicable to electrical safety.

Keel: en
Alusdokumendid: ISO/FDIS 13349-1; FprEN ISO 13349-1
Asendab dokumenti: EVS-EN ISO 13349:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

FprEN ISO 13349-2
Fans - Vocabulary and definitions of categories - Part 2: Categories (ISO/FDIS 13349-2:2022)

This document defines categories in the field of fans used for all purposes.

It is not applicable to electrical safety.

Keel: en
Alusdokumendid: ISO/FDIS 13349-2; FprEN ISO 13349-2
Asendab dokumenti: EVS-EN ISO 13349:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 9300-120
Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data - Part 120: CAD 3D explicit geometry with graphic product and manufacturing information

1.1 Introduction

This document defines the requirements for the long term digital preservation of the presentation of Product and Manufacturing Information (PMI) with their possible links to the 3D explicit shape and geometry of single CAD parts. The goal is to preserve this 3D information with respect to the geometry and related PMI produced by the original CAD system, following the principles laid down in EN 9300 003 “Fundamentals and Concepts”.

The requirements of EN 9300 110 “CAD mechanical 3D explicit geometry information” about the preservation of the 3D explicit shape shall apply within this document.

The meaning of terms "Presentation" and "Representation", defined in the EN 9300 100 “Common concepts for Long term archiving and retrieval of CAD 3D mechanical information” is required to understand this EN 9300 document.

1.2 In scope

The following outlines the total scope of this document:

- the Presentation of 3D geometrical dimension and tolerance, and 3D annotation attributes;
- their possible semantic links with 3D Geometric shape;
- User Defined Attributes: that are assigned to 3D geometric entities or at the part level.

For the purpose of this document, the semantic definition is at the level that supports associative “Cross-highlighting”, to illustrate the portion of the geometry to which a PMI element applies.

In this version, the technology used to preserve this 3D information is based on polyline and tessellated presentation. Polyline presentation is a conversion to lines and curves of all 3D annotations by the STEP interfaces of the CAD system, including validation properties. Tessellated presentation is a conversion to tessellated curves and tessellated faces. The main use cases are the Certification and Product Liability of static information, however, re-use is also possible after the deletion of previous PMI and creation of new PMI (refer to clause 3 for definition).

1.3 Out of scope

The following is outside the scope:

- machine-interpretable PMI “Representation”;
- how to preserve additional information:
- - property rights;
- -form features;
- -machining features;
- CAD Assemblies.

Keel: en
Alusdokumendid: prEN 9300-120:2022

Arvamusküsitluse lõppkuupäev: 14.07.2022

prEN 9300-121

Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D CAD and PDM data - Part 121: Semantic representation of CAD 3D Explicit Geometry with Product and Manufacturing Information

1.1 Introduction

This document defines the requirements for the long term digital preservation of the Semantic Representation of Product and Manufacturing Information (PMI) with their possible links to the 3D explicit shape and geometry of single CAD parts. The goal is to preserve this 3D information, without loss, with respect to the geometry produced by the original CAD system, following the principles laid down in EN 9300 003 “Fundamentals and Concepts”.

The requirements of EN 9300 110 concerning the preservation of the 3D explicit shape shall apply within this Part. The term “semantic representation” is defined in Clause 3 “Terms, definitions and abbreviations”.

1.2 In scope

The following outlines the total scope of EN 9300 121:

- machine-interpretable PMI “Semantic Representation” (Refer to clause 3 for definition);
- the association of the above with 3D geometric shapes;
- the possible association of the above with Presentation of 3D Product and Manufacturing Information (PMI), and 3D annotations as defined in EN 9300 120.

In EN 9300 121, the technology used to preserve this 3D information is based on semantic representation. The main use cases are Certification, Product Liability and Design re-use.

For the purpose of this document, the semantic definition is at the level that supports associative “Cross-highlighting” for the purpose of human readability.

1.3 Out of scope

The following is outside the scope:

- PMI presentation (defined in EN 9300 120);
- User defined attributes that are assigned to 3D geometric entities or at the part level. The archiving of the UDA is defined in EN 9300 120.
- How to preserve additional information:
- - property rights;
- - form features;
- - CAD Assemblies.
- The semantics of special Notes outside the scope of PMI: ITAR/EAR, proprietary, and title block information, etc.

Keel: en
Alusdokumendid: prEN 9300-121:2022

Arvamusküsitluse lõppkuupäev: 14.07.2022

prEN 9300-125

Aerospace series - LOTAR - Part 125: Explicit CAD assembly structure with Graphic Product and Manufacturing Information (PMI)

1.1 Introduction

This document defines the requirements for the long-term digital preservation of the presentation of Product and Manufacturing Information (PMI) with their possible links to the 3D explicit shape and geometry of CAD assembly structure. The goal is to preserve this 3D information, without loss, with respect to the geometry produced by the original CAD system, following the principles laid down in EN 9300 003 “Fundamentals and Concepts”.

This will allow the retrieval of the assembly structure including the placement information.

This standard extends EN 9300-115 “Explicit CAD Assembly Structure” by including assembly level PMI.

PMI for the assembly structure can be recorded in the same file as the geometry, can be in a nested assembly structure or the PMI will be contained in its own separate file (Side-Car).

The PMI elements shall be presented on the graphic level only (i.e. polyline, tessellated).

1.2 Out of scope

The following is outside the scope:

- The archiving of assembly Form Features.
- Semantic PMI representation is out of scope for this document.
- The geometry defined at assembly level is out of scope for this document.
(This document covers PMI at the assembly level only.)

Keel: en
Alusdokumendid: prEN 9300-125:2022

Arvamusküsitluse lõppkuupäev: 14.07.2022

prEN ISO 128-2

Technical product documentation (TPD) - General principles of representation - Part 2: Basic conventions for lines (ISO/FDIS 128-2:2022)

This document establishes the types of lines used in technical drawings (e.g. diagrams, plans or maps), their designations and their configurations, as well as general rules for the draughting of lines. In addition, this document specifies general rules for the representation of leader and reference lines and their components as well as for the arrangement of instructions on or at leader lines in technical documents. Annexes have been provided for specific information on mechanical, construction and shipbuilding technical drawings.

For the purposes of this document the term "technical drawing" is interpreted in the broadest possible sense encompassing the total package of documentation specifying the product (workpiece, subassembly, assembly).

Keel: en
Alusdokumendid: ISO/FDIS 128-2; prEN ISO 128-2
Asendab dokumenti: EVS-EN ISO 128-2:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEVS-ISO 30302

Informatsioon ja dokumentatsioon. Dokumendihalduse juhtimissüsteemid. Rakendamise juhised
Information and documentation — Management systems for records — Guidelines for implementation

See dokument annab juhised dokumendihalduse juhtimissüsteemi (DHJS) rakendamiseks vastavuses standardiga ISO 30301. See dokument on mõeldud kasutamiseks koos standardiga ISO 30301. See kirjeldab tegevusi DHJS-i kavandamiseks, juurutamiseks ja seireks.

DHJS-i juurutamiseks võib seda dokumenti kasutada mistahes organisatsioonis või organisatsioonide üleselt. See on rakendatav igat tüüpi (nt kommertsettevõtted, valitsusasutused, mittetulundusühingud) ja mistahes suurusega organisatsioonis. See dokument on mõeldud kasutamiseks neile, kes vastutavad DHJS-i juurutamise ja toimimise eest. Samuti aitab see tippjuhtkonda otsuste tegemisel, mis puudutavad nende organisatsiooni juhtimissüsteemi sisseseadmist, ulatust ja rakendamist.

Keel: en
Alusdokumendid: ISO 30302:2022
Asendab dokumenti: EVS-ISO 30302:2016

Arvamusküsitluse lõppkuupäev: 13.08.2022

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

prEN 9102

Aerospace series - Quality systems - First Article Inspection Requirement

1.1 This document establishes the requirements for performing and documenting FAI. It is emphasized that the requirements specified in this document are complementary (not alternative) to customer and applicable statutory and regulatory requirements. If there is a conflict between the requirements of this document, and customer or applicable statutory/regulatory requirements, the latter takes precedence.

In this document, the following verbal forms are used:

- "shall" indicates a requirement;
- "should" indicates a recommendation;
- "may" indicates a permission;
- "can" indicates a possibility or a capability.

Information marked as "NOTE" is for guidance in understanding or clarifying the associated requirement.

1.2 Purpose

The primary purpose of FAI is to verify and validate product realization processes capable of producing characteristics that meet engineering and design requirements. A FAI is not a product acceptance document. A well-planned and executed FAI by a multi-disciplinary team (e.g., members from responsible functions) provides objective evidence the manufacturer's processes can produce compliant product, having effectively understood and incorporated the associated requirements.

NOTE While interrelated, FAI and product acceptance are separate activities. FAI focus is verification of production processes via assessment of product. FAI and supporting documentation do not provide assurance regarding conformance for product acceptance purposes; neither does the lack of a FAI necessarily imply that the product is nonconforming to engineering and design requirements.

FAI will:

- provide confidence that the product realization processes are capable of producing conforming product;
- demonstrate that the manufacturers and processors of the product have an understanding of the associated requirements;
- provide objective evidence of process capability;
- mitigate risk associated with production startup and/or process changes;
- provide assurance of product conformance at the start of production and after changes, as outlined in this document.

A FAI is intended to:

- reduce future escapes, risks, and total costs;
- help ensure product safety;
- improve quality, delivery, and customer satisfaction;
- reduce costs and production delays associated with product nonconformances;
- identify product realization processes not capable of producing conforming product, and initiate and/or validate associated corrective actions.

1.3 Application

This document applies to organizations and sub-tiers responsible for product realization processes that produce the design characteristics of the product. The organization shall flow down the requirements of this document to suppliers who produce design characteristics.

This document applies to external suppliers performing special processes. A Certificate of Conformity (CoC) provided by processors attests to satisfying the specification requirements of the applicable design authority. External suppliers providing special processes can satisfy this document's requirements by either:

- documenting the design characteristics and associated results on a FAI;
- documenting the design characteristics and associated results on a customer-defined detailed CoC.

This document applies to assemblies, sub-assemblies, and detail parts including castings, forgings, and modifications to document catalogue or Commercial-Off-the-Shelf (COTS) items. Each of these items requires a stand-alone FAI.

Unless contractually required, this document does not apply to:

- development and prototype parts that are not considered as part of the first production run;
- procured standard catalogue items, COTS, or deliverable software. These items shall be documented in the index of part numbers in an assembly First Article Inspection Report (FAIR).

Keel: en
Alusdokumendid: prEN 9102
Asendab dokumenti: EVS-EN 9102:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60300-1:2022

Dependability management - Part 1: Managing dependability

This document provides guidance on:

• the meaning and significance of dependability from a business, technical and financial perspective;

• achieving dependability through suitable adaptation of organizational management systems such as those described in the ISO 9000 series (Quality management), ISO 26000 (Guidance on social responsibility) and the ISO 55000 series (Asset management);

• the activities that need to be integrated into management systems and life cycle processes in order to achieve dependable systems, products and services;

• planning and implementing dependability activities throughout the life cycle to achieve and assure required outcomes, taking into account factors such as costs, safety, the environment, customer goodwill, brand and reputation.

This document is applicable to any type of system, both new and existing, to mass produced industrial or consumer products, to components and to services. This document addresses all elements of systems, products and services including hardware, software, data, processes, procedures, facilities, materials, and personnel required for operations and support.

Keel: en
Alusdokumendid: 56/1954/CDV; prEN IEC 60300-1:2022
Asendab dokumenti: EVS-EN 60300-1:2014

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEVS-ISO 30302

Informatsioon ja dokumentatsioon. Dokumendihalduse juhtimissüsteemid. Rakendamise juhised
Information and documentation — Management systems for records — Guidelines for implementation

See dokument annab juhised dokumendihalduse juhtimissüsteemi (DHJS) rakendamiseks vastavuses standardiga ISO 30301. See dokument on mõeldud kasutamiseks koos standardiga ISO 30301. See kirjeldab tegevusi DHJS-i kavandamiseks, juurutamiseks ja seireks.

DHJS-i juurutamiseks võib seda dokumenti kasutada mistahes organisatsioonis või organisatsioonide üleselt. See on rakendatav igat tüüpi (nt kommertsettevõtted, valitsusasutused, mittetulundusühingud) ja mistahes suurusega organisatsioonis. See dokument on mõeldud kasutamiseks neile, kes vastutavad DHJS-i juurutamise ja toimimise eest. Samuti aitab see tippjuhtkonda otsuste tegemisel, mis puudutavad nende organisatsiooni juhtimissüsteemi sisseseadmist, ulatust ja rakendamist.

Keel: en
Alusdokumendid: ISO 30302:2022
Asendab dokumenti: EVS-ISO 30302:2016

Arvamusküsitluse lõppkuupäev: 13.08.2022

07 LOODUS- JA RAKENDUSTEADUSED

prEN 17855

Foodstuffs - Minimum performance requirements for quantitative measurement of the food allergens milk, egg, peanut, hazelnut, almond, walnut, cashew, pecan nut, brazil nut, pistachio nut, macadamia nut, wheat, lupine, sesame, mustard, soy, celery, fish, molluscs and crustaceans

This document specifies minimum performance requirements for methods that quantify the food allergens milk, egg, peanut, hazelnut, almond, brazil nut, macadamia nut, cashew, pistachio nut, walnut, pecan nut, lupine, sesame, mustard, soy, celery, fish, molluscs, crustaceans, and wheat in raw and processed foodstuffs. Within the scope of this document, minimum requirements for an LOQ (Limit of Quantification) will be derived from threshold data of allergic consumers. For quantitative antibody-based methods, a normative annex will describe what specific information the method developer needs to deliver and how performance characteristics shall be validated. Regarding PCR and LC-MS/MS, information on performance characteristics are in parts covered by EN 15634-1 and EN 17644. This document does not apply to fragmented or hydrolysed food allergens, such as casein hydrolysates or soy sauce. It also does not apply to methods that deliver qualitative results only. Methods that cover gluten-containing cereals (wheat, rye, and barley) with regard to coeliac disease are covered by EN 17254.

Keel: en
Alusdokumendid: prEN 17855

Arvamusküsitluse lõppkuupäev: 13.08.2022

11 TERVISEHOOLDUS

prEN ISO 9342-1

Optics and optical instruments - Test lenses for calibration of focimeters - Part 1: Reference lenses for focimeters used for measuring spectacle lenses (ISO/DIS 9342-1:2022)

This part of ISO 9342 specifies requirements for reference lenses for the calibration and verification of focimeters that are used for the measurement of spectacle form lenses. It also gives a method for the determination of the back vertex power of the reference lenses.

NOTE It is accepted that other reference lenses can also be used with powers within the given range, manufactured to the same standard of accuracy and form, but different back vertex powers. However, only lenses with integer nominal powers, as described in paragraph 4.1, can be used for the calibration of digitally-rounding focimeters.

Keel: en
Alusdokumendid: ISO/DIS 9342-1; prEN ISO 9342-1
Asendab dokumenti: EVS-EN ISO 9342-1:2005

Arvamusküsitluse lõppkuupäev: 13.08.2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 12259-12

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 12: Pumps

This part of the EN 12259 series specifies requirements for single stage and multi-stage centrifugal pumps with mechanical seal or soft packing for use in automatic sprinkler systems and is for use with EN 12845 and EN 17451.

This document is only applicable for the following pumps, independent of installed orientation (vertical, horizontal or sloped):

- end suction pumps (close coupled or long coupled) of the back pull-out type pump;
- axial horizontal split case pumps;
- ring section pumps;
- inline pumps (vertical line shaft pump with inlet and outlet in line);
- vertical turbine pumps;
- multistage inline pumps;
- multi stage-multi outlet pumps;
- submersible motor borehole pumps.

Keel: en
Alusdokumendid: prEN 12259-12

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 15346

Plastics - Recycled plastics - Characterization of poly(vinyl chloride) (PVC) recyclates

This document defines a method of specifying delivery conditions for poly(vinyl chloride) (PVC) recyclates.

It gives the most important characteristics and associated test methods for assessing of PVC recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of recycled PVC by mechanical recycling to agree on specifications for specific and generic applications.

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

This document is applicable without prejudice to any existing legislation.

Keel: en
Alusdokumendid: prEN 15346
Asendab dokumenti: EVS-EN 15346:2014

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 45545-6

Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

This document specifies requirements for fire detection, alarm systems, equipment shutdown, information and communication systems, emergency lighting, emergency brake systems and fire fighting systems to cover the objectives defined in EN 45545-1:2013.

The measures and requirements specified in this document aim to protect passengers and staff in railway vehicles in the event of a fire on board by alerting staff and passengers to a fire, delaying the fire development and controlling the movement of smoke. It is not within the scope of this document to describe measures that ensure the preservation of the railway vehicles in the event of a fire.

This part is valid for railway vehicles defined in EN 45545-1:2013.

Keel: en
Alusdokumendid: prEN 45545-6
Asendab dokumenti: EVS-EN 45545-6:2013

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 13997

Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects (ISO/DIS 13997:2022)

This International Standard specifies a tomodynamometer cut test method and related calculations, for use on materials and assemblies designed for protective clothing, including gloves. The test determines resistance to cutting by sharp edges, such as knives, sheet metal parts, swarf, glass, bladed tools and castings.

When this document is cited as a test method in a material or product requirement standard, that standard shall contain the necessary information to permit the application of ISO 13997 to the particular product.

This test does not provide data on the resistance to penetration by pointed objects such as needles and thorns, or the point of sharp-edged blades. The test described in this International Standard is not considered suitable for testing materials made from chain mail and metal plates. The text of this International Standard does not include provisions for the safeguard of the operator.

Keel: en
Alusdokumendid: prEN ISO 13997; ISO/DIS 13997:2022
Asendab dokumenti: EVS-EN ISO 13997:2000

Arvamusküsitluse lõppkuupäev: 13.08.2022

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EN IEC 61557-7:2022/prA1:2022

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence

Amendment to EN IEC 61557-7:2022.

Keel: en
Alusdokumendid: 85/828/CDV; EN IEC 61557-7:2022/prA1:2022
Muudab dokumenti: EVS-EN IEC 61557-7:2022

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61557-14:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c and 1 500 V d.c - Equipment for testing, measuring or monitoring of protective measures - Part 14: Equipment for testing the safety of electrical equipment for machinery

This part of IEC 61557 defines special requirements for test and measurement equipment used to determine the electrical safety of electrical equipment of machinery in accordance with IEC 60204-1.

Keel: en
Alusdokumendid: 85/830/CDV; prEN IEC 61557-14:2022
Asendab dokumenti: EVS-EN 61557-14:2013

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61557-16:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c - Equipment for testing, measuring or monitoring of protective measures - Part 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment

This part 16 of the IEC 61557 series specifies the requirements applicable to the performance for test and measurement equipment in order to determine the effectiveness of the protective measures for electrical equipment and/or medical electrical equipment described in IEC 62353.

Keel: en
Alusdokumendid: 85/831/CDV; prEN IEC 61557-16:2022
Asendab dokumenti: EVS-EN 61557-16:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN IEC 60300-1:2022

Dependability management - Part 1: Managing dependability

This document provides guidance on:

• the meaning and significance of dependability from a business, technical and financial perspective;

• achieving dependability through suitable adaptation of organizational management systems such as those described in the ISO 9000 series (Quality management), ISO 26000 (Guidance on social responsibility) and the ISO 55000 series (Asset management);

• the activities that need to be integrated into management systems and life cycle processes in order to achieve dependable systems, products and services;

• planning and implementing dependability activities throughout the life cycle to achieve and assure required outcomes, taking into account factors such as costs, safety, the environment, customer goodwill, brand and reputation.

This document is applicable to any type of system, both new and existing, to mass produced industrial or consumer products, to components and to services. This document addresses all elements of systems, products and services including hardware, software, data, processes, procedures, facilities, materials, and personnel required for operations and support.

Keel: en
Alusdokumendid: 56/1954/CDV; prEN IEC 60300-1:2022
Asendab dokumenti: EVS-EN 60300-1:2014

Arvamusküsitluse lõppkuupäev: 13.08.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 1401-1:2019/prA1

Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

This document specifies the requirements for solid wall pipes with smooth internal and external surfaces, extruded from the same formulation throughout the wall, fittings and the system of unplasticized poly(vinyl chloride) (PVC U) piping systems in the field of non-pressure underground drainage and sewerage:

- buried in ground outside the building structure (application area code "U"), and
- both buried in ground, within the building structure and outside the building (application area code "UD").

NOTE 1 The intended use is reflected in the marking of products by "U" or "UD".

It also specifies the test parameters for the test methods referred to in this document.

NOTE 2 Multilayer pipes with different formulations throughout the wall and foamed core pipes are covered by EN 13476-2 [1].

This document covers a range of nominal sizes, a range of pipes and fittings series and a range of stiffness classes and gives recommendations concerning colours.

NOTE 3 It is the responsibility of the purchaser or specifier to make the appropriate selection from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. It is applicable to PVC U pipes and fittings, their joints and to joints with components of other plastics and non-plastics materials intended to be used for buried piping systems for non-pressure underground drainage and sewerage.

NOTE 4 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex C can be used with pipes and fittings conforming to this document, provided they conform to the requirements for joint dimensions given in Clause 7 and to the requirements of Table 16.

Keel: en
Alusdokumendid: EN 1401-1:2019/prA1
Muudab dokumenti: EVS-EN 1401-1:2019

Arvamusküsitluse lõppkuupäev: 13.08.2022

FprEN ISO 13349-1

Fans - Vocabulary and definitions of categories - Part 1: Vocabulary (ISO/FDIS 13349-1:2022)

This document defines terms in the field of fans used for all purposes.

It is not applicable to electrical safety.

Keel: en
Alusdokumendid: ISO/FDIS 13349-1; FprEN ISO 13349-1
Asendab dokumenti: EVS-EN ISO 13349:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

FprEN ISO 13349-2

Fans - Vocabulary and definitions of categories - Part 2: Categories (ISO/FDIS 13349-2:2022)

This document defines categories in the field of fans used for all purposes.

It is not applicable to electrical safety.

Keel: en
Alusdokumendid: ISO/FDIS 13349-2; FprEN ISO 13349-2
Asendab dokumenti: EVS-EN ISO 13349:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 23632

Industrial valves - Design validation-testing of valves (ISO 23632:2021)

This document specifies requirements and acceptance criteria for type testing, in compliance with design conditions, of metallic butterfly and ball valves used for isolating services for all industrial applications, and serves to validate the product design over 205 cycles.

This document excludes testing for safety devices, control valves, thermoplastics valves, and valves for water supply for human consumption and sewage (e.g. the EN 1074 series).

This document defines the procedure for extending the qualification of the tested valve to untested sizes and pressure designations of the same product range.

The purpose of this type test is to validate the seat performance within manufacturer given pressure/temperature rating, provided by the manufacturer's technical documentation of the product. This type test verifies torque requirements and the maximum allowable stem torque (MAST), as given in the manufacturer's technical documentation. This type test validates the durability of seat performance and operating torque through mechanical and thermal cycles.

Keel: en
Alusdokumendid: ISO 23632:2021; prEN ISO 23632

Arvamusküsitluse lõppkuupäev: 13.08.2022

25 TOOTMISTEHNOLOOGIA

prEN IEC 61557-9:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems

This part of IEC 61557 specifies the requirements for the insulation fault location system (IFLS) that localizes insulation faults in any part of the system in unearthed IT AC systems and unearthed IT AC systems with galvanically connected DC circuits having nominal voltages up to 1 000 V AC, as well as in unearthed IT DC systems with voltages up to 1 500 V DC, independent of the measuring principle.

IT systems are described in IEC 60364-4-41. Additional data for a selection of devices in other standards should be noted.

NOTE Further information on insulation fault location can be found in the following standards: IEC 60364-4-41:2005, 411.6, and IEC 60364-5-53:2019, 531.3.

Keel: en
Alusdokumendid: 85/829/CDV; prEN IEC 61557-9:2022
Asendab dokumenti: EVS-EN 61557-9:2015
Asendab dokumenti: EVS-EN 61557-9:2015/AC:2016 - Ainult FR versioonile
Asendab dokumenti: EVS-EN 61557-9:2015/AC:2017

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 15614-2

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys (ISO/DIS 15614-2:2022)

This document specifies how a preliminary welding procedure specification is qualified by welding procedure tests.

This document applies to production welding, repair welding and build-up welding.

This document defines the conditions for the execution of welding procedure tests and the range of qualification for welding procedures for all practical welding operations within the qualification of this document.

This document applies to the arc welding of wrought and cast aluminium and its alloys. In this document the term aluminium stands for aluminium and for aluminium alloys.

This document does not apply to finishing welding of aluminium castings which is dealt by ISO 15614-4.

Arc welding of aluminium is covered by the following welding processes in accordance with ISO 4063:

131 — MIG welding with solid wire electrode;
141 — TIG welding with solid filler material (wire/rod);
142 — Autogenous TIG welding;
15 — plasma arc welding.

NOTE Specific service, material or manufacturing conditions may require more comprehensive testing than is specified by this document (see 7.1).

The principles of this document may be applied to other fusion welding processes.

Keel: en
Alusdokumendid: prEN ISO 15614-2; ISO/DIS 15614-2:2022
Asendab dokumenti: EVS-EN ISO 15614-2:2005
Asendab dokumenti: EVS-EN ISO 15614-2:2005/AC:2019

Arvamusküsitluse lõppkuupäev: 13.08.2022

29 ELEKTROTEHNIKA

EN 62620:2015/prA1:2022

Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Secondary lithium cells and batteries for use in industrial applications

Amendment to EN 62620:2015.

Keel: en
Alusdokumendid: 21A/795/CDV; EN 62620:2015/prA1:2022
Muudab dokumenti: EVS-EN 62620:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

EN IEC 61557-7:2022/prA1:2022

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence

Amendment to EN IEC 61557-7:2022.

Keel: en

Alusdokumendid: 85/828/CDV; EN IEC 61557-7:2022/prA1:2022
Muudab dokumenti: EVS-EN IEC 61557-7:2022

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60034-27-2:2022

Rotating electrical machines - Part 27-2: On-line partial discharge measurements on the stator winding insulation of rotating electrical machines

This part of IEC 60034-27 series deals with on-line PD measurements and provides a common basis with standardized procedures if possible for

– measuring techniques and instruments;
– the arrangement of the installation;
– normalization and sensitivity assessment;
– measuring procedures;
– noise reduction;
– the documentation of results;
– the interpretation of results;

with respect to partial discharge on-line measurements on the stator winding insulation of non converter driven rotating electrical machines with rated voltage of 3 kV and up. This international standard covers PD measuring systems and methods detecting electrical PD signals. The same measuring devices and procedures can also be used to detect electrical sparking and arcing phenomena.

Keel: en
Alusdokumendid: prEN IEC 60034-27-2:2022; 2/2099/CDV

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60947-2:2022

Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

This document applies to circuit-breakers, intended to be installed and operated by instructed or skilled persons, the main contacts of which are intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V AC or 1 500 V DC; it also contains additional requirements for integrally fused circuit-breakers.

This document also applies to circuit-breakers with multiple ratings below and above 1000 V AC, but not exceeding 1500 V AC. It applies whatever the rated currents, the method of construction or the proposed applications of the circuit-breakers may be. Circuit-breakers per this document are suitable for isolation.

The requirements for circuit-breakers which are also intended to provide earth leakage protection are contained in Annex B.

Additional requirements for circuit-breakers intended for connection of aluminium conductors are contained in Annex D.

The additional requirements for circuit-breakers with electronic overcurrent protection are contained in Annex F.

The additional requirements for circuit-breakers for IT systems are contained in Annex H.

The requirements and test methods for electromagnetic compatibility of circuit-breakers are contained in Annex J.

The requirements for circuit-breakers not fulfilling the requirements for overcurrent protection are contained in Annex L.

The requirements for modular residual current devices (without integral current breaking device) are contained in Annex M.

The requirements and test methods for electromagnetic compatibility of circuit-breaker auxiliaries are contained in Annex N.

The requirements and test methods for DC circuit-breakers for use in photovoltaic (PV) applications are contained in Annex P.

The requirements and test methods for circuit-breakers incorporating residual current protection with automatic reclosing functions are contained in Annex R.

Supplementary requirements for circuit-breakers used as direct-on-line starters are given in IEC 60947-4-1, applicable to low-voltage contactors and starters.

The requirements for circuit-breakers for overcurrent protection for household and similar installations, and designed for use by uninstructed persons, are contained in IEC 60898 series.

The requirements for circuit-breakers for equipment (for example electrical appliances) are contained in IEC 60934. For certain specific applications (for example traction, rolling mills, marine service, downstream of variable frequency drives, use in explosive atmospheres), particular or additional requirements may be necessary.

NOTE 1 Circuit-breakers can have dedicated accessories

NOTE 2 Circuit-breakers which are dealt with in this document can be provided with devices for automatic opening under predetermined conditions other than those of overcurrent and undervoltage as, for example, reversal of power or current. This document does not deal with the verification of operation under such pre-determined conditions.

The object of this document is to state:

a) the characteristics of circuit-breakers;
b) the conditions with which circuit-breakers shall comply with reference to:
1) operation and behaviour in normal service;
2) operation and behaviour in case of overload and operation and behaviour in case of short-circuit, including co-ordination in service (selectivity and back-up protection);
3) dielectric properties;
4) requirements on electromagnetic compatibility, where applicable

c) tests intended for confirming that these conditions have been met and the methods to be adopted for these tests;
d) information to be marked on or given with the circuit-breakers.

NOTE 3 For cybersecurity requirements, see IEC TS 63208.

Keel: en
Alusdokumendid: 121A/482/CDV; prEN IEC 60947-2:2022
Asendab dokumenti: EVS-EN 60947-2:2017
Asendab dokumenti: EVS-EN 60947-2:2017/A1:2020
Asendab dokumenti: EVS-EN 60947-2:2017+A1:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61439-5:2022

Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks

This part of IEC 61439 defines the specific requirements for public electricity network distribution assemblies (PENDAs). PENDAs have the following criteria:

– used for the distribution of electrical energy in three phase systems for which the rated voltage does not exceed 1 000 V AC (see Figure 101 for a typical distribution network) and DC systems not exceeding 1500 V DC;
– stationary;
– open type assemblies are not covered by this document;
– suitable for installation in places where only skilled persons have access for their use, however, outdoor types may be installed in situations that are accessible to ordinary persons;
– intended for use in energy distribution in public power grids
- indoor use: assemblies for installation inside of electric power substations
- outdoor use: assemblies containing an enclosure suitable for open air installation

The object of this document is to state the definitions and to specify the service conditions, construction requirements, technical characteristics and tests for PENDAs. Network parameters may require tests at higher performance levels.

PENDAs may also include control and or signalling devices associated with the distribution of electrical energy.

NOTE Control and monitoring devices can be used in smart grid applications or the transmission of smart grid data. This document applies to all PENDAs whether they are designed, manufactured on a one-off basis or fully standardised and manufactured in quantity.

The manufacture and/or assembly may be carried out other than by the original manufacturer (see 3.10.1 of IEC 61439-1:2020). This document does not apply to individual devices and self-contained components, such as motor starters, fuse switches, electronic equipment, etc. which comply with the relevant product standards. If the substation is owned or operated by a public distribution system operator (DSO), PENDA’s which are used as LV distribution panels in transformer substations are within the scope of this standard,

This document does not apply to specific types of assemblies covered by other parts of IEC 61439 series.

NOTE 1 If a PENDA is equipped with additional equipment (for example meters), in such a way that the main function is changed considerably, then other standards can also apply as agreed between user and manufacturer (see 8.5 of IEC 61439-1:2020).

NOTE 2 Where local regulations and practices permit, a PENDA according to this standard can be used in other than public networks.

NOTE 3 DSO’s may define additional requirements for their PENDA’s.

Keel: en
Alusdokumendid: 121B/155/CDV; prEN IEC 61439-5:2022
Asendab dokumenti: EVS-EN 61439-5:2015
Asendab dokumenti: EVS-EN 61439-5:2015/AC:2017

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61557-14:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c and 1 500 V d.c - Equipment for testing, measuring or monitoring of protective measures - Part 14: Equipment for testing the safety of electrical equipment for machinery

This part of IEC 61557 defines special requirements for test and measurement equipment used to determine the electrical safety of electrical equipment of machinery in accordance with IEC 60204-1.

Keel: en
Alusdokumendid: 85/830/CDV; prEN IEC 61557-14:2022
Asendab dokumenti: EVS-EN 61557-14:2013

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61557-16:2022

Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c - Equipment for testing, measuring or monitoring of protective measures - Part 16: Equipment for testing the effectiveness of the protective measures of electrical equipment and/or medical electrical equipment

This part 16 of the IEC 61557 series specifies the requirements applicable to the performance for test and measurement equipment in order to determine the effectiveness of the protective measures for electrical equipment and/or medical electrical equipment described in IEC 62353.

Keel: en
Alusdokumendid: 85/831/CDV; prEN IEC 61557-16:2022
Asendab dokumenti: EVS-EN 61557-16:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

31 ELEKTROONIKA

prEN IEC 63215-2:2022

Endurance test methods for die attach materials - Part 2: Temperature cycling test method for die attach materials applied to discrete type power electronic devices

This International Standard applies to the die attach materials and joining system applied to discrete type power electronic devices. This International Standard specifies temperature cycling test method which is taking into account of actual usage conditions of discrete type power electronic devices to evaluate reliability of the die attach joint materials and joining system, and establishes classification level for joining reliability (reliability performance index). The test method specified in this standard is not intended to evaluate power semiconductor devices themselves. The test method specified in this standard is not regarded as the one to be used to guarantee the reliability of the power semiconductor device packages.

Keel: en
Alusdokumendid: 91/1787/CDV; prEN IEC 63215-2:2022

Arvamusküsitluse lõppkuupäev: 13.08.2022

33 SIDETEHNIKA

prEN 300 132-2 V2.6.6

Environmental Engineering (EE); Power supply interface at the input of Information and Communication Technology (ICT) equipment; Part 2: -48 V Direct Current (DC)

The present document contains requirements and measurements methods for the physical interface "A" that is situated between the power supply system(s) and the power consuming ICT equipment. The nominal voltage at power interface "A" of ICT equipment defined in the present document is DC voltage -48 V. The DC power can be supplied by a DC output power system (e.g. based on AC rectifiers on grid or DC/DC converters on solar system, fuel cell, DC engine or fuel cell generator) and also directly supplied by a battery backup in this DC power system. The purpose of the present document is to be able to use a power supply system with the same characteristics for all ICT equipment defined in the area of application:

- to facilitate inter working of different types of load units;
- to facilitate the standardization of ICT equipment;
- to facilitate the installation, operation and maintenance in the same network of ICT equipment and systems from different origins.

The present document aims at providing electrical compatibility between the power supply equipment and the power consuming ICT equipment, between different system blocks and loads connected to the same power supply feeding the interface "A" (e.g. control/monitoring, cooling system, etc.).

The requirements are defined for:

- the power supply input of any type of ICT equipment installed at telecommunication centres that are connected to interface "A" powered by DC;
- any type of ICT equipment, installed in access networks and customers' premises, the DC interface "A" of which is also used by equipment requiring a DC supply source;
- any type of ICT equipment powered by DC, used in the fixed and mobile networks installed in different locations such as buildings, shelters, street cabinets, outdoor installations.

Disturbances on the power supply interface "A" relating to the continuous wave phenomena below 20 kHz are covered within the present document.

The present document does not cover safety requirements, they are covered by relevant safety standards

The present document does not cover EMC requirements, they are covered by relevant EMC standards.

NOTE: Annex B gives guidance on -60 VDC supply systems.

Keel: en
Alusdokumendid: Draft ETSI EN 300 132-2 V2.6.6

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 302 208 V3.4.0

Raadiosagedusalas 856 MHz kuni 868 MHz võimsusega kuni 2 W ja raadiosagedusalas 915 MHz kuni 921 MHz võimsusega kuni 4 W töötavad raadiosagedustuvastusseadmed; Raadiospektrile juurdepääsu harmoneeritud standard
Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for Radio Frequency Identification (RFID) devices used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 921 MHz. Power limits up to a maximum of 2 W e.r.p. are specified for this equipment in the frequency band 865 MHz to 868 MHz and up to a maximum of 4 W e.r.p. in the frequency band 915 MHz to 921 MHz.

NOTE 1: The term frequency band is used for reference to dedicated bands as described in CEPT/ERC/REC 70-03, while frequency range is used in the other cases.

The frequency usage conditions for RFID are EU wide harmonised in the band 865 MHz to 868 MHz according to (EU)2017/1483 and in the band 915 MHz to 921 MHz according to (EU)2018/1538. According to (EU)2018/1538, EU member states are requested to implement 3 channels only in the 915 MHz to 921 MHz band.

It should be noted that the frequency band 915 MHz to 921 MHz has only a limited implementation status within the European Union and the CEPT countries. CEPT/ERC/REC 70-03 provides in appendix 1 an overview of countries where the band is implemented.

The present document applies to RFID interrogators and tags operating together as a system. For each specified band, multiple high power channels are made available for use by interrogators. The tags respond with a modulated signal preferably in the adjacent low power channels. Interrogators may be used with either integral or external antennas.

The types of equipment covered by the present document are as follows:

• fixed interrogators;
• portable interrogators;
• batteryless tags;
• battery assisted tags;
• battery powered tags.

These types of radio equipment are capable of operating in the frequency ranges given in table 1 and table 1a.

The present document contains requirements to demonstrate that the specified radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

NOTE 2: 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 302 208 V3.4.0

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60728-113:2022

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only

This part of IEC 60728 is applicable to optical transmission systems for broadcast signal transmission that consist of headend equipment, optical transmission lines, in-house wirings and system outlets. These systems are primarily intended for television and sound signals using digital transmission technology. This document specifies the basic system parameters and methods of measurement for optical distribution systems between headend equipment and system outlets in order to assess the system performance and its performance limits.

In this document, the upper signal frequency is limited to about 3 300 MHz.

The purpose of this part of IEC 60728 is to describe the system specifications of FTTH (fibre to the home) networks for digitally modulated broadcast signal transmission. This document is also applicable to broadcast signal transmission using a telecommunication network if it satisfies the performance of the optical portion of the system defined in this document. This document describes RF transmission for fully digitalized broadcast and narrowcast (limited area distribution of broadcast) signals over FTTH, and introduces xPON system as a physical layer media. The detailed description of the physical layer is out of the scope of this document. The scope is limited to RF signal transmission over FTTH, thus, it does not include IP transport technologies, such as IP Multicast and associate protocols.

Some interference descriptions between the telecommunication system and the broadcast system are addressed in Clause 7.

Keel: en
Alusdokumendid: 100/3760/CDV; prEN IEC 60728-113:2022
Asendab dokumenti: EVS-EN IEC 60728-113:2018
Asendab dokumenti: EVS-EN IEC 60728-113:2018/AC:2018

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60793-1-44:2022

Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wavelength

This part of IEC 60793 establishes uniform requirements for measuring the cut-off wavelength of single-mode optical fibre, thereby assisting in the inspection of fibres and cables for commercial purposes.

This standard gives methods for measuring the cut-off wavelength for uncabled or cabled single mode telecom fibre. These procedures apply to all category B and C fibre types (see Normative references).

There are three methods of deployment for measuring the cut-off wavelength.

• Method A: Cable cut-off using uncabled fibre 22 m long sample, λ cc
• Method B: Cable cut-off using cabled fibre 22 m long sample, λ cc
• Method C: Fibre cut-off using uncabled fibre 2 m long sample, λ c

All methods require a reference measurement. There are two reference-scan techniques, either or both of which may be used with all methods:

• bend-reference technique.
• multimode-reference technique using category A1 multimode fibre.

Keel: en
Alusdokumendid: 86A/2200/CDV; prEN IEC 60793-1-44:2022
Asendab dokumenti: EVS-EN 60793-1-44:2011

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60794-1-303:2022

Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions - Aperture gauge, Method G3

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements for the geometrical properties of optical fibre ribbons.

This document applies to optical fibre ribbons for use with telecommunication equipment and devices employing similar techniques, and to optical fibre ribbons for cables having a combination of both optical fibres and electrical conductors.

Keel: en
Alusdokumendid: 86A/2199/CDV; prEN IEC 60794-1-303:2022
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-23:2019

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60794-2-22:2022

Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies

This part of IEC 60794 is a detail specification and specifies breakout optical cables with multiple simplex optical fibre cables for use in terminated breakout cable assemblies.

Keel: en
Alusdokumendid: 86A/2201/CDV; prEN IEC 60794-2-22:2022
Asendab dokumenti: EVS-EN 60794-2-22:2017

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60794-2-50:2022

Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies

This part of IEC 60794 is a family specification that specifies requirements for simplex and duplex optical fibre cables for use in terminated cable assemblies or as used for termination of passive components.

Keel: en
Alusdokumendid: 86A/2202/CDV; prEN IEC 60794-2-50:2022
Asendab dokumenti: EVS-EN IEC 60794-2-50:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-2-1:2022

Radio frequency and coaxial cable assemblies - Part 2-1: Sectional specification for flexible coaxial cable assemblies

This part of IEC 60966 is a sectional specification that relates to flexible RF coaxial cable assemblies operating in the transverse electromagnetic mode (TEM). It establishes uniform requirements for testing the electrical, mechanical and climatic properties of flexible cable assemblies composed of flexible RF coaxial cables and RF coaxial connectors.

This part of IEC 60966 applies to flexible cable assemblies composed of flexible RF coaxial cables and coaxial connectors.

Flexible RF cable assemblies are widely used in mobile communication systems, microwave test equipment, radar, aerospace and other fields.

NOTE 1: For the purposes of this sectional specification, a cable assembly is always regarded as an integral unit. All specifications apply to the finished assembly and not to individual and non-assembled parts thereof.

NOTE 2: This sectional specification should be supplemented with detail specifications giving additional details as required by the particular application. This application will not necessarily require all tests.

Keel: en

Alusdokumendid: 46/888/CDV; prEN IEC 60966-2-1:2022
Asendab dokumenti: EVS-EN 60966-2-1:2009

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-2-2:2022

Radio frequency and coaxial cable assemblies - Part 2-2: Blank detail specification for flexible coaxial cable assemblies

This part of IEC 60966 is a blank detail specification that relates to flexible coaxial cable assemblies operating in the transverse electromagnetic mode(TEM).

The creation of a uniform layout and style of detail specifications is determined by the use of a blank detail specification pro forma. The detail specification may be prepared by the insertion of data into the pro forma by a national standards organization, by an approved manufacturer or by a user (when prepared by a user, the detail specification shall be submitted to the national authorized institution by an approved manufacturer).

Keel: en
Alusdokumendid: 46/889/CDV; prEN IEC 60966-2-2:2022
Asendab dokumenti: EVS-EN 60966-2-2:2004

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-3:2022

Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies

This part of IEC 60966 is a sectional specification that relates to semi-flexible coaxial cable assemblies operating in the transverse electromagnetic mode (TEM). It specifies the design and construction, IEC type designation, workmanship, marking and packaging, standard rating and characteristics, electrical, mechanical and environmental requirements of finished semi flexible cable assemblies, quality assessment, delivery and storage, etc.

This part of IEC 60966 applies to semi-flexible cable assemblies composed of semi-flexible coaxial cables and coaxial connectors. Semi-flexible cable assemblies are widely used in mobile communication systems, microwave test equipment, radar, aerospace and other fields.

NOTE 1 : For the purpose of this sectional specification, a cable assembly is always regarded as an integral unit. All specifications apply to the finished assembly and not to individual and non-assembled parts thereof.

NOTE 2 : This sectional specification should be supplemented with detail specifications giving additional details as required by the particular application. This application will not necessarily require all tests.

Keel: en
Alusdokumendid: 46/884/CDV; prEN IEC 60966-3:2022
Asendab dokumenti: EVS-EN 60966-3:2009

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-3-1:2022

Radio frequency and coaxial cable assemblies - Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies

This part of IEC 60966 is a blank detail specification that relates to semi-flexible coaxial cable assemblies operating in the transverse electromagnetic mode(TEM).

The creation of a uniform layout and style of detail specifications is determined by the use of a blank detail specification pro forma. The detail specification may be prepared by the insertion of data into the pro forma by a national standards organization, by an approved manufacturer or by a user (when prepared by a user, the detail specification shall be submitted to the national authorized institution by an approved manufacturer).

Keel: en
Alusdokumendid: 46/885/CDV; prEN IEC 60966-3-1:2022
Asendab dokumenti: EVS-EN 60966-3-1:2009

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-4:2022

Radio frequency and coaxial cable assemblies - Part 4: Sectional specification for semi-rigid coaxial cable assemblies

This part of IEC 60966 is a sectional specification that relates to semi-rigid coaxial cable assemblies operating in the transverse electromagnetic mode (TEM). It specifies the design and construction, IEC type designation, workmanship, marking and packaging, standard rating and characteristics, electrical, mechanical and environmental requirements of finished semi rigid cable assemblies, quality assessment, delivery and storage, etc

This part of IEC 60966 applies to semi-rigid cable assemblies composed of semi-rigid coaxial cables and coaxial connectors. Semi-rigid cable assemblies are widely used in mobile communication systems, microwave test equipment, radar, aerospace and other fields.

NOTE 1 : For the purpose of this sectional specification, a cable assembly is always regarded as an integral unit. All specifications apply to the finished assembly and not to individual and non-assembled parts thereof.

NOTE 2 : This sectional specification should be supplemented with detail specifications giving additional details as required by the particular application. This application will not necessarily require all tests.

Keel: en
Alusdokumendid: 46/886/CDV; prEN IEC 60966-4:2022
Asendab dokumenti: EVS-EN 60966-4:2004

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 60966-4-1:2022

Radio frequency and coaxial cable assemblies - Part 4-1: Blank detail specification for semi-rigid coaxial cable assemblies

This part of IEC 60966 is a blank detail specification that relates to semi-rigid coaxial cable assemblies operating in the transverse electromagnetic mode(TEM).

The creation of a uniform layout and style of detail specifications is determined by the use of a blank detail specification pro forma. The detail specification may be prepared by the insertion of data into the pro forma by a national standards organization, by an approved manufacturer or by a user (when prepared by a user, the detail specification shall be submitted to the national authorized institution by an approved manufacturer).

Keel: en
Alusdokumendid: 46/887/CDV; prEN IEC 60966-4-1:2022
Asendab dokumenti: EVS-EN 60966-4-1:2004

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 61300-2-6:2022

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-6: Tests - Tensile strength of coupling mechanism

This part of IEC 61300 describes a test to ensure the coupling mechanism of a connector set or connector and device combination withstands the axial loads likely to be applied during normal service and that the optical performance remains within the given specifications during this test.

Keel: en
Alusdokumendid: 86B/4608/CDV; prEN IEC 61300-2-6:2022
Asendab dokumenti: EVS-EN 61300-2-6:2011

Arvamusküsitluse lõppkuupäev: 13.08.2022

35 INFOTEHNOLOOGIA

prEN 9115-002

Aerospace series - Requirements for Aviation, Space, and Defence Organizations - Non-Deliverable Software

1.1 General

This document defines the requirements for the effective control of non-deliverable software. This document can be used during the development, test, production, release, use, maintenance, and retirement of non-deliverable software. This can include non-deliverable software procured from outside manufacturers and incorporated in the production, evaluation, test, acceptance, or calibration of a deliverable product. When an organization outsources one or more of the processes involved in the creation of non-deliverable software, this document applies.

This document focuses solely on the unique requirements of the operational processes that pertain to non-deliverable software as defined by section 1.2. Operational processes not covered in this document are addressed by the organization's Quality Management System (QMS), based on EN 9100 and/or ISO 9001.

1.2 Application

This document applies to non-deliverable software (including firmware) that directly affects the quality of a deliverable product or service. Following are several applications and supporting examples of non-deliverable software that is within scope of this document:

- Design and Development: modelling, simulation, virtual reality, virtual machine, data science, Computer-Aided Design (CAD), Three-Dimensional (3D) modelling, analysis tools, software compiler, and code generators.
- Manufacture: additive manufacturing data files, Computer Numerical Controlled (CNC) programs, robotics, factory automation, tools that load deliverable software, special process (e.g., heat treat, shot peen, sonic wall inspection), and automated manufacturing software (i.e., pick and place).
- Verification and Validation: Coordinate Measuring Machine (CMM) programs, hardware or software qualification, code coverage, test scripts, analysis tools, acceptance test, production acceptance, calibration (inspection, test or calibration), simulator, and emulator.

Non-deliverable software is not delivered to the customer under a contract or agreement.

The following types of software are not within scope of this standard:

- deliverable software (refer to EN 9115);
- embedded manufacturing and test equipment software (e.g., operating system);
- business systems or office software; and

- information systems software for business applications.

Keel: en

Alusdokumendid: prEN 9115-002

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 16484-5

Building automation and control systems (BACS) - Part 5: Data communication protocol (ISO/FDIS 16484-5:2022)

The purpose of ISO 16484-5:2017 is to define data communication services and protocols for computer equipment used for monitoring and control of HVAC&R and other building systems and to define, in addition, an abstract, object-oriented representation of information communicated between such equipment, thereby facilitating the application and use of digital control technology in buildings.

Keel: en
Alusdokumendid: ISO/FDIS 16484-5; prEN ISO 16484-5
Asendab dokumenti: EVS-EN ISO 16484-5:2017
Asendab dokumenti: EVS-EN ISO 16484-5:2017/A1:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 19150-6

Geographic information - Ontology - Part 6: Service ontology register (ISO/DIS 19150-6:2022)

N/A

Keel: en
Alusdokumendid: ISO/DIS 19150-6; prEN ISO 19150-6

Arvamusküsitluse lõppkuupäev: 13.08.2022

43 MAANTEESÕIDUKITE EHITUS

prEN 17860-1

Carrier cycles - Part 1: Terms and definitions

This standard specifies terms and definitions related to safety and performance requirements for the design, assembly, and testing of carrier cycles.

Keel: en
Alusdokumendid: prEN 17860-1

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN IEC 63281-0:2022

E-Transporters - Terminology and classification

This document specifies the terminology and classification of e-Transporters. This document is applicable to ‘e-Transporters’: electrically powered transport devices for use on public roads or in public spaces. These e-Transporters provide solutions for transporting passengers and/or goods.

Keel: en
Alusdokumendid: 125/60/CDV; prEN IEC 63281-0:2022

Arvamusküsitluse lõppkuupäev: 13.08.2022

45 RAUDTEETEHNIKA

EN 16186-5:2021/prA1

Railway applications - Driver's cabs - Part 5: External visibility for tram vehicles

This document specifies the external front and rear visibility conditions from cabs of tram vehicles and the associated assessment method.

This document applies to vehicles operating on tram networks.

This document does not apply to driver's auxiliary desks.

This standard is not intended to be applied for tram train.

Keel: en
Alusdokumendid: EN 16186-5:2021/prA1
Muudab dokumenti: EVS-EN 16186-5:2021

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 45545-6

Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

This document specifies requirements for fire detection, alarm systems, equipment shutdown, information and communication systems, emergency lighting, emergency brake systems and fire fighting systems to cover the objectives defined in EN 45545-1:2013.

The measures and requirements specified in this document aim to protect passengers and staff in railway vehicles in the event of a fire on board by alerting staff and passengers to a fire, delaying the fire development and controlling the movement of smoke. It is not within the scope of this document to describe measures that ensure the preservation of the railway vehicles in the event of a fire.

This part is valid for railway vehicles defined in EN 45545-1:2013.

Keel: en
Alusdokumendid: prEN 45545-6
Asendab dokumenti: EVS-EN 45545-6:2013

Arvamusküsitluse lõppkuupäev: 13.08.2022

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3014

Aerospace series - Shank nuts, self-locking, serrated, in heat resisting steel FE-PA2601 (A286) - Classification: 1 100 MPa (at ambient temperature) / 650 °C

This document specifies the characteristics of self-locking serrated shank nuts in FE-PA2601, for aerospace applications. Classification: 1 100 MPa1 / 650 °C2.

NOTE FE-PA2601 is the new designation for FE-PA92HT, see TR 3900.

Keel: en
Alusdokumendid: prEN 3014
Asendab dokumenti: EVS-EN 3014:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 3375-008

Aerospace series - Cable, electrical, for digital data transmission - Part 008: Single braid - Star Quad 100 Ohms - Type KD - Product standard

This document specifies the dimensions, tolerances, required characteristics and the mass of an AWG 24 shielded quad cable, type KD, intended for high speed (100 Mbit/s) full duplex Ethernet networks.

Linked to this particular application, the operating temperatures of the cable are between −65 °C and 125 °C.

The cable resists a long-term temperature between −65 °C and +200 °C.

Moreover, cable materials have compatibility with 200 °C peak exposure.

This cable is laser markable, this marking satisfies the requirements of EN 3838.

The characteristics impedance are (100 ± 15) Ω.

Keel: en
Alusdokumendid: prEN 3375-008
Asendab dokumenti: EVS-EN 3375-008:2009

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 3660-033

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 033: stainless steel banding band, style Z, for attachment of individual and /or overall screens to cable outlets - Product standard

This document defines a banding band, style Z, for terminating individual and/or overall cable screens to cable outlets. The bands delivered in flat condition F (see Clause 6) which need to be double wrapped prior to their installation. The bands delivered in condition C (see Clause 6) are factory pre-double wrapped and ready for installation.

Keel: en
Alusdokumendid: prEN 3660-033
Asendab dokumenti: EVS-EN 3660-033:2019

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 4641-301

Aerospace series - Cables, optical 125 µm diameter cladding - Part 301: Tight structure 50/125 µm GI, fibre nominal 1,8 mm, outside diameter - Product standard

This document specifies the general characteristics, conditions for qualification, acceptance and quality assurance for a fibre optic cable with a 50/125 µm Graded Index fibre core, 1,8 mm outside diameter for non pull-proof contact designs.

Keel: en
Alusdokumendid: prEN 4641-301

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 9102

Aerospace series - Quality systems - First Article Inspection Requirement

1.1 This document establishes the requirements for performing and documenting FAI. It is emphasized that the requirements specified in this document are complementary (not alternative) to customer and applicable statutory and regulatory requirements. If there is a conflict between the requirements of this document, and customer or applicable statutory/regulatory requirements, the latter takes precedence.

In this document, the following verbal forms are used:

- "shall" indicates a requirement;
- "should" indicates a recommendation;
- "may" indicates a permission;
- "can" indicates a possibility or a capability.

Information marked as "NOTE" is for guidance in understanding or clarifying the associated requirement.

1.2 Purpose

The primary purpose of FAI is to verify and validate product realization processes capable of producing characteristics that meet engineering and design requirements. A FAI is not a product acceptance document. A well-planned and executed FAI by a multi-disciplinary team (e.g., members from responsible functions) provides objective evidence the manufacturer's processes can produce compliant product, having effectively understood and incorporated the associated requirements.

NOTE While interrelated, FAI and product acceptance are separate activities. FAI focus is verification of production processes via assessment of product. FAI and supporting documentation do not provide assurance regarding conformance for product acceptance purposes; neither does the lack of a FAI necessarily imply that the product is nonconforming to engineering and design requirements.

FAI will:

- provide confidence that the product realization processes are capable of producing conforming product;
- demonstrate that the manufacturers and processors of the product have an understanding of the associated requirements;
- provide objective evidence of process capability;
- mitigate risk associated with production startup and/or process changes;
- provide assurance of product conformance at the start of production and after changes, as outlined in this document.

A FAI is intended to:

- reduce future escapes, risks, and total costs;
- help ensure product safety;
- improve quality, delivery, and customer satisfaction;
- reduce costs and production delays associated with product nonconformances;
- identify product realization processes not capable of producing conforming product, and initiate and/or validate associated corrective actions.

1.3 Application

This document applies to organizations and sub-tiers responsible for product realization processes that produce the design characteristics of the product. The organization shall flow down the requirements of this document to suppliers who produce design characteristics.

This document applies to external suppliers performing special processes. A Certificate of Conformity (CoC) provided by processors attests to satisfying the specification requirements of the applicable design authority. External suppliers providing special processes can satisfy this document's requirements by either:

- documenting the design characteristics and associated results on a FAI;
- documenting the design characteristics and associated results on a customer-defined detailed CoC.

This document applies to assemblies, sub-assemblies, and detail parts including castings, forgings, and modifications to document catalogue or Commercial-Off-the-Shelf (COTS) items. Each of these items requires a stand-alone FAI.

Unless contractually required, this document does not apply to:

- development and prototype parts that are not considered as part of the first production run;
- procured standard catalogue items, COTS, or deliverable software. These items shall be documented in the index of part numbers in an assembly First Article Inspection Report (FAIR).

Keel: en
Alusdokumendid: prEN 9102
Asendab dokumenti: EVS-EN 9102:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 9115-002

Aerospace series - Requirements for Aviation, Space, and Defence Organizations - Non-Deliverable Software

1.1 General

This document defines the requirements for the effective control of non-deliverable software. This document can be used during the development, test, production, release, use, maintenance, and retirement of non-deliverable software. This can include non-deliverable software procured from outside manufacturers and incorporated in the production, evaluation, test, acceptance, or calibration of a deliverable product. When an organization outsources one or more of the processes involved in the creation of non-deliverable software, this document applies.

This document focuses solely on the unique requirements of the operational processes that pertain to non-deliverable software as defined by section 1.2. Operational processes not covered in this document are addressed by the organization's Quality Management System (QMS), based on EN 9100 and/or ISO 9001.

1.2 Application

This document applies to non-deliverable software (including firmware) that directly affects the quality of a deliverable product or service. Following are several applications and supporting examples of non-deliverable software that is within scope of this document:

- Design and Development: modelling, simulation, virtual reality, virtual machine, data science, Computer-Aided Design (CAD), Three-Dimensional (3D) modelling, analysis tools, software compiler, and code generators.
- Manufacture: additive manufacturing data files, Computer Numerical Controlled (CNC) programs, robotics, factory automation, tools that load deliverable software, special process (e.g., heat treat, shot peen, sonic wall inspection), and automated manufacturing software (i.e., pick and place).
- Verification and Validation: Coordinate Measuring Machine (CMM) programs, hardware or software qualification, code coverage, test scripts, analysis tools, acceptance test, production acceptance, calibration (inspection, test or calibration), simulator, and emulator.

Non-deliverable software is not delivered to the customer under a contract or agreement.

The following types of software are not within scope of this standard:

- deliverable software (refer to EN 9115);
- embedded manufacturing and test equipment software (e.g., operating system);
- business systems or office software; and
- information systems software for business applications.

Keel: en
Alusdokumendid: prEN 9115-002

Arvamusküsitluse lõppkuupäev: 13.08.2022

53 TÕSTE- JA TEISALDUS-SEADMED

EN 16307-1:2020/prA1

Industrial trucks - Safety requirements and verification - Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks

This document gives requirements for the types of industrial trucks specified in the scope of EN ISO 3691-1.

This document is intended to be used in conjunction with EN ISO 3691-1. These requirements are supplementary to those stated in EN ISO 3691-1 with the addition of hazards, which can occur when operating in potentially explosive atmospheres.

This document covers the following requirements:

- electrical requirements;
- noise emissions;
- vibration;
- visibility;
- electromagnetic compatibility (EMC).

This Edocument defines supplementary requirements to EN ISO 3691-1:

- travel speed;
- brakes;
- travel and breaking controls - Additional operation from alongside pedestrian-controlled and stand-on trucks;
- lift chains;
- mast tilt and carriage isolation;
- operator's seat;
- operator restraint device;
- protection against crushing, shearing and trapping;
- information for use (instruction handbook and marking).

Annex A (informative) contains the list of significant hazards covered by this document.

Keel: en
Alusdokumendid: EN 16307-1:2020/prA1
Muudab dokumenti: EVS-EN 16307-1:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 13001-3-1

Cranes - General design - Part 3-1: Limit states and proof competence of steel structure

This document specifies limit states, requirements and methods to prevent mechanical hazards in steel structures of cranes by design and theoretical proof of competence.

The significant hazardous situations and hazardous events that could result in risks to persons during intended use are identified in Annex L. Clauses 4 to 8 of this document provide requirements and methods to reduce or eliminate these risks:

a) exceeding the limits of strength (yield, ultimate, fatigue);
b) exceeding temperature limits of material or components;
c) elastic instability of the crane or its parts (buckling, bulging).

This document is not applicable to cranes which are designed before the date of its publication as EN and serves as reference base for the European Standards for particular crane types (see Annex K).

NOTE This document deals only with the limit state method in accordance with EN 13001-1:2015.

Keel: en
Alusdokumendid: prEN 13001-3-1
Asendab dokumenti: EVS-EN 13001-3-1:2012+A2:2018

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 3691-1

Industrial trucks - Safety requirements and verification - Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO/DIS 3691-1:2022)

This part of ISO 3691 gives safety requirements and the means for their verification for the following types of self-propelled industrial trucks (hereafter referred to as trucks), as defined in ISO 5053-1:2020:

a) counterbalanced trucks;
b) reach trucks with retractable mast or retractable fork arm carriage;
c) straddle trucks;
d) pallet-stacking trucks;
e) high-lift platform trucks;
f) trucks with elevating operator position;
g) side-loading trucks (one side only);
h) lateral-stacking trucks (three sides);
i) lateral- and front-stacking trucks;
j) pallet trucks;
k) multidirectional trucks;
l) towing tractors with a drawbar pull up to and including 66 750 N;
m) rough-terrain counterbalance trucks;
n) counterbalanced container handlers;
o) industrial trucks powered by battery, diesel, gasoline, LPG (liquefied petroleum gas), or CNG (compressed natural gas).

For trucks with an elevating operator position of more than 1 200 mm and/or trucks designed to travel with an elevated load of more than 1 200 mm, this part of ISO 3691 is intended to be used in conjunction with ISO 3691-3.

NOTE 1 ISO 3691-3 is not applicable to counterbalanced fork lift trucks or trucks intended for container handling.

NOTE 2 Some low-level order pickers with an elevating operator's position up to and including 1 200 mm lift height can be equipped with an additional lifting device to lift the load to a maximum lift height of 1 800 mm.

Basic requirements for attachments are given in the appropriate clauses.

Keel: en
Alusdokumendid: ISO/DIS 3691-1; prEN ISO 3691-1
Asendab dokumenti: EVS-EN ISO 3691-1:2015
Asendab dokumenti: EVS-EN ISO 3691-1:2015/A1:2020
Asendab dokumenti: EVS-EN ISO 3691-1:2015/AC:2016
Asendab dokumenti: EVS-EN ISO 3691-1:2015+A1:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 9073-13

Nonwovens - Test methods - Part 13: Repeated liquid strike-through time (simulated urine) (ISO/DIS 9073-13:2022)

ISO 9073-13:2006 specifies a test method for measuring the strike-through time (STT) for each of three subsequent doses of liquid (simulated urine) applied to the surface of a test piece of nonwoven coverstock. The STT is defined as the time taken for a known volume of liquid to pass through the nonwoven that is in contact with an underlying dry standard absorbent pad. This test method is intended for quality control and is designed for comparison of STT for different nonwoven coverstocks. It does not simulate in-use conditions for finished products.

Keel: en
Alusdokumendid: ISO/DIS 9073-13; prEN ISO 9073-13
Asendab dokumenti: EVS-EN ISO 9073-13:2007

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 9073-14

Nonwovens - Test methods - Part 14: Coverstock wetback (simulated urine) (ISO/DIS 9073-14:2022)

ISO 9073-14:2006 specifies a test method to examine the ability of diaper coverstock to resist the transport back onto the skin of a liquid which has already penetrated the coverstock. This test corresponds with the repeated liquid strike-through time described in ISO 9073-13.

This test method is intended for quality control and is designed for comparison of wetback for different nonwoven coverstocks and treatments. It does not simulate in-use conditions for finished products.

Keel: en
Alusdokumendid: ISO/DIS 9073-14; prEN ISO 9073-14
Asendab dokumenti: EVS-EN ISO 9073-14:2007

Arvamusküsitluse lõppkuupäev: 13.08.2022

67 TOIDUAINETE TEHNOLOOGIA

prEN 17855

Foodstuffs - Minimum performance requirements for quantitative measurement of the food allergens milk, egg, peanut, hazelnut, almond, walnut, cashew, pecan nut, brazil nut, pistachio nut, macadamia nut, wheat, lupine, sesame, mustard, soy, celery, fish, molluscs and crustaceans

This document specifies minimum performance requirements for methods that quantify the food allergens milk, egg, peanut, hazelnut, almond, brazil nut, macadamia nut, cashew, pistachio nut, walnut, pecan nut, lupine, sesame, mustard, soy, celery, fish, molluscs, crustaceans, and wheat in raw and processed foodstuffs. Within the scope of this document, minimum requirements for an LOQ (Limit of Quantification) will be derived from threshold data of allergic consumers. For quantitative antibody-based methods, a normative annex will describe what specific information the method developer needs to deliver and how performance characteristics shall be validated. Regarding PCR and LC-MS/MS, information on performance characteristics are in parts covered by EN 15634-1 and EN 17644. This document does not apply to fragmented or hydrolysed food allergens, such as casein hydrolysates or soy sauce. It also does not apply to methods that deliver qualitative results only. Methods that cover gluten-containing cereals (wheat, rye, and barley) with regard to coeliac disease are covered by EN 17254.

Keel: en
Alusdokumendid: prEN 17855

Arvamusküsitluse lõppkuupäev: 13.08.2022

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 16568

Automotive fuels - Blends of Fatty acid methyl ester (FAME) with diesel fuel - Determination of oxidation stability by rapidly accelerated oxidation method at 120 °C

This document specifies a test method for the determination of the oxidation stability at 120 °C of fuels for diesel engines, by means of measuring the induction period of the fuel up to 20 h. The method is applicable to blends of FAME with petroleum-based diesel having a FAME content in the range between 2 % (V/V) and 50 % (V/V).

NOTE 1 An almost identical test method for oxidation stability at 110 °C is described in EN 15751 [1], which applies to pure FAME and diesel/FAME blends containing 2 % (V/V) of FAME at minimum. Other alternative test methods for the determination of the oxidation stability of distillate fuels are described in CEN/TR 17225 [3].

NOTE 2 The precision of this method was determined using samples with a maximum induction period of approximately 20 h. Higher induction periods are not covered by the precision statement; however, experience from EN 15751 indicates sufficient precision up to 48 h.

NOTE 3 The presence of cetane improver can reduce the oxidation stability determined by this test method. Limited studies with 2-ethyl hexyl nitrate (EHN) indicated that the stability is reduced to an extent which is within the reproducibility of the test method.

NOTE 4 For the purposes of this document, the term "% (V/V)" is used to represent the volume fraction.

Keel: en

Alusdokumendid: prEN 16568
Asendab dokumenti: EVS-EN 16568:2014

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 16709

Automotive fuels - High FAME diesel fuel (B20 and B30) - Requirements and test methods

This European Standard specifies requirements and test methods for marketed and delivered high FAME (B20 and B30) diesel fuel for use in diesel engine vehicles designed or subsequently adapted to run on high FAME (B20 and B30) fuel. High FAME (B20 and B30) diesel fuel is a mixture of up to 20 % (V/V) in total and up to 30 % (V/V) in total respectively fatty acid methyl esters (commonly known as FAME) complying to EN 14214 and automotive diesel fuel complying to EN 590.

For maintenance and control reasons high FAME (B20 and B30) diesel fuel is to be used in captive fleets that are intended to have an appropriate fuel management (see Clause 3).

NOTE 1 For the purposes of this European Standard, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

NOTE 2 In this European Standard, A-deviations apply (see Annex A).

Keel: en
Alusdokumendid: prEN 16709
Asendab dokumenti: EVS-EN 16709:2015+A1:2018

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 17867
Petrol fuel for small internal combustion engines — Requirements and test methods

This document specifies requirements on petrol fuel for use as fuel in small engines, together with the methods to be applied for testing these properties.

This document specifies requirements for two types of petrol fuel being low in aromatics and sulphur: one type for use in four-stroke engines with separate lubrication and one mixed petrol fuel type for use in mixture-lubricated engines. Testing the properties of the added engine oil is out of the scope of this document.

Keel: en
Alusdokumendid: 51641; prEN 17867

Arvamusküsitluse lõppkuupäev: 13.08.2022

77 METALLURGIA

prEN 10209
Cold rolled low carbon steel flat products for vitreous enamelling - Technical delivery conditions

This document applies to cold rolled non-coated low carbon steel flat products in rolled widths equal to or over 600 mm and in thicknesses equal to or less than 3 mm, delivered in sheet, wide strip, slit wide strip or cut lengths obtained from slit wide strip or sheet.
It does not apply to cold rolled narrow strip (rolling width < 600 mm) or to cold rolled flat products for which there is a specific standard, in particular the following:

- cold-rolled low carbon steel flat products for cold forming (EN 10130);
- cold-rolled non-oriented electrical steel sheet and strip delivered in fully processed state (EN 10106);
- cold rolled electrical non-alloy and alloy steel sheet and strip delivered in the semi-processed state (EN 10341);
- cold reduced blackplate (EN 10205);
- steel sheet and strip for welded gas cylinders (EN 10120);
- cold-rolled uncoated non-alloy mild steel narrow strip for cold forming (EN 10139);
- cold-rolled structural steels for general purposes;
- cold-rolled flat products made of high yield strength for cold forming (EN 10268).

Keel: en
Alusdokumendid: prEN 10209
Asendab dokumenti: EVS-EN 10209:2013

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 10359
Laser welded tailored blanks - Technical delivery conditions

This document specifies the requirements for laser welded tailored blanks (LWB) made of steels for all cold or hot forming processes.

This document applies to all steel grades with or without metallic and/or organic coatings, having uniform or different sheet thickness, welded with or without extra material addition.

After the welding process, LWB are further processed to pressed parts by forming operations under the responsibility of the processor.

Keel: en
Alusdokumendid: prEN 10359
Asendab dokumenti: EVS-EN 10359:2015

Arvamusküsitluse lõppkuupäev: 13.08.2022

83 KUMMI- JA PLASTITÖÖSTUS

prEN 15346
Plastics - Recycled plastics - Characterization of poly(vinyl chloride) (PVC) recyclates

This document defines a method of specifying delivery conditions for poly(vinyl chloride) (PVC) recyclates. It gives the most important characteristics and associated test methods for assessing of PVC recyclates intended for use in the production of semi-finished/finished products.

It is intended to support parties involved in the use of recycled PVC by mechanical recycling to agree on specifications for specific and generic applications.

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

This document is applicable without prejudice to any existing legislation.

Keel: en
Alusdokumendid: prEN 15346
Asendab dokumenti: EVS-EN 15346:2014

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 11337

Plastics - Polyamides - Determination of e-caprolactam and w-laurolactam by gas chromatography (ISO/DIS 11337:2022)

ISO 11337:2010 specifies a method for determining epsilon-caprolactam and omega-laurolactam in polyamides by gas chromatography. It is suitable particularly for the determination of epsilon-caprolactam in polyamide 6 and omega-laurolactam in polyamide 12. Bearing in mind that gas chromatography offers a wide range of possible conditions, the method specified is that shown to have been suitable in practice.

Two variants of the basic method are specified:

Method A is an extraction method with boiling methanol, and the extract is injected into a gas chromatograph. Method B is a method using a solvent, and the solution is injected into a gas chromatograph.

Keel: en
Alusdokumendid: ISO/DIS 11337; prEN ISO 11337
Asendab dokumenti: EVS-EN ISO 11337:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 182-3

Plastics - Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures - Part 3: Conductometric method (ISO/DIS 182-3:2022)

The principle of the method is maintaining a test portion of the PVC at an agreed temperature in a nitrogen gas stream, absorbing the hydrogen chloride evolved in a given amount of demineralized water, and potentiometrically determining the amount of hydrogen chloride evolved in relation to the recorded change in conductivity of the water. The method is recommended for compounded PVC materials and products only, although it can be used for polymers in powder form under appropriate conditions.

Keel: en
Alusdokumendid: ISO/DIS 182-3; prEN ISO 182-3
Asendab dokumenti: EVS-EN ISO 182-3:2001

Arvamusküsitluse lõppkuupäev: 13.08.2022

85 PABERITEHNOLOOGIA

prEN ISO 12625-12

Tissue paper and tissue products - Part 12: Determination of tensile strength of perforated lines - Calculation of perforation efficiency (ISO/DIS 12625-12:2022)

ISO 12625-12:2010 specifies a test method for the determination of the tensile strength of perforated lines of tissue paper. It uses a tensile-testing apparatus operating with a constant rate of elongation.

This method is only used for measuring machine-direction tensile strength, that is for cross-direction perforations on tissue paper. The calculation of perforation efficiency is also specified in ISO 12625-12:2010.

Keel: en
Alusdokumendid: ISO/DIS 12625-12; prEN ISO 12625-12
Asendab dokumenti: EVS-EN ISO 12625-12:2010

Arvamusküsitluse lõppkuupäev: 13.08.2022

91 EHITUSMATERJALID JA EHITUS

prEN 16863

Thermal insulation products for buildings - Factory made reflective insulation (RI) products - Specification

This document covers factory-made reflective insulation (RI) products intended for use as thermal and acoustic insulation of buildings. The products are manufactured in the form of rolls or boards. They are made from low emissive film(s) and infrared semi-transparent material layer(s) or air cavities.

This document describes the methods and criteria for assessing the performance of factory-made reflective insulation products in relation to essential product characteristics and includes the procedures for assessment and verification of the constancy of performance.

Reflective insulation products require specific setup instruction(s) depending on their level of compressibility. This document does not specify the required level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The levels required for a given application are to be found in regulations or non-conflicting standards.

This document does not cover:

- products intended to be used for the insulation of building equipment and industrial installations;
- products made of mineral wool, polystyrene or polyurethane foams (not inclusive) faced with aluminium or metalized foil on one or both external surfaces (which are already covered by a corresponding harmonized European product standard);
- membranes used as vapour control layer (VCL) or vapour-permeable roof or wall underlay (which are already covered by a specific harmonized European product standard).

Keel: en
Alusdokumendid: prEN 16863

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 197-6

Cement - Part 6: Cement with recycled building materials

This document deals with cement with recycled building materials whose intended use is the preparation of concrete, mortar, grout, etc.

Keel: en
Alusdokumendid: prEN 197-6

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 81-76

Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lifts - Part 76: Evacuation of persons with disabilities using lifts

This document specifies the additional requirements to EN 81-20:2020 for passenger and goods passenger lifts, which can be used to support faster evacuation of persons with disabilities and persons with walking difficulties, including in case of fire alarm.

This document does not apply to:

- lifts installed into buildings which are not in accordance with Annex C;
- lifts for evacuation due to circumstances which introduce other hazards such as explosion threat, chemical or biological attack, flooding, storm damage, or earthquake. In these cases, this document can be used as a basis with further measures as required from risk assessment.

The following significant hazards are out of the scope of this document (see Table 2):

- fire or smoke in the evacuation lift well, safe areas or machinery spaces;
- ingress of water to the lift well during evacuation process;
- insufficient or incorrectly located evacuation lifts;
- insufficient evacuation capacity;
- entrapment in waiting area (safe area) due to absence of lift service or adjacent stairs;
- structural collapse or failure of building services (including public supply network, lighting, ventilation) before the evacuation using lifts has been completed;
- presence of harmful gases, potentially explosive atmosphere, extreme climate conditions, transport of dangerous goods.

Keel: en
Alusdokumendid: prEN 81-76
Asendab dokumenti: CEN/TS 81-76:2011

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 16484-5

Building automation and control systems (BACS) - Part 5: Data communication protocol (ISO/FDIS 16484-5:2022)

The purpose of ISO 16484-5:2017 is to define data communication services and protocols for computer equipment used for monitoring and control of HVAC&R and other building systems and to define, in addition, an abstract, object-oriented representation of information communicated between such equipment, thereby facilitating the application and use of digital control technology in buildings.

Keel: en
Alusdokumendid: ISO/FDIS 16484-5; prEN ISO 16484-5
Asendab dokumenti: EVS-EN ISO 16484-5:2017
Asendab dokumenti: EVS-EN ISO 16484-5:2017/A1:2020

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN ISO 18393-1

Thermal insulation products - Determination of ageing by settlement - Part 1: Blown loose fill insulation for ventilated attics simulating humidity and temperature cycling (ISO/DIS 18393-1:2022)

This document specifies a test method for the determination of settlement of blown loose-fill insulation applied in for ventilated attics.
This test method measures the ageing related to temperature and moisture cycling; However, there may be other factors, impact, seismic, vibration of any kind which may influence a change in thickness.

Keel: en
Alusdokumendid: ISO/DIS 18393-1; prEN ISO 18393-1

Arvamusküsitluse lõppkuupäev: 13.08.2022

97 OLME. MEELELAHUTUS. SPORT

EN 16232:2013/prA2

Child use and care articles - Infant swings

This European Standard specifies safety requirements and the corresponding test methods for infant swings intended for children up to a weight of 9 kg or unable to sit up unaided.

If an infant swing has several functions or can be converted into another function, the relevant European Standards apply to it. Swings falling under the scope of EN 71-8 are excluded from the scope of this European Standard.

Keel: en
Alusdokumendid: EN 16232:2013/prA2
Muudab dokumenti: EVS-EN 16232:2013+A1:2018

Arvamusküsitluse lõppkuupäev: 13.08.2022

EN ISO 22042:2021/prA1

Blast chiller and freezer cabinets for professional use - Classification, requirements and test conditions - Amendment 1 (ISO 22042:2021/DAM 1:2022)

Amendment to EN ISO 22042:2021

Keel: en
Alusdokumendid: ISO 22042:2021/DAmd 1; EN ISO 22042:2021/prA1
Muudab dokumenti: EVS-EN ISO 22042:2021

Arvamusküsitluse lõppkuupäev: 13.08.2022

prEN 17684

Furniture - Electrically operated furniture - Stability, strength, durability and mechanical safety requirements

This document specifies stability and mechanical safety requirements and test methods for electrically operated furniture for domestic and non-domestic use, including requirements on shear, compression, entrapment, strength and durability. The document applies to electrically operated furniture for use in areas accessible by adults and children of all abilities, and domestic pets.

The requirements in this document are intended to minimize the hazards that can occur during intended use and reasonably foreseeable use.

This document includes requirements related to all persons, including children from the age of 4 years in and around the products and the associated hazards.

This document excludes considerations and requirements related to children less than 4 years old operating the product. This document does not include requirements related to the electrical safety of the item of furniture.

In general, it does not take into account:

- damage to property or the environment.

This document does not apply to:

- seating incorporated in other machines;
- seats in vehicles.

If the electrically operated furniture has additional functions or can be converted into other products, other relevant European Standards can apply.

This document is not applicable to electrically operated furniture which is manufactured before the date of publication of this document.

Wherever the term "furniture" is used in this document, it means electrically operated furniture.

Keel: en
Alusdokumendid: prEN 17684

Arvamusküsitluse lõppkuupäev: 13.08.2022

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.

EVS-EN ISO 13940:2016

Terviseinformaatika. Mõistete süsteem tervishoiu ja arstiabi järjepidevuse toetamiseks

Käesolev rahvusvaheline standard piiritleb mõistesüsteemi eri tasandite tervishoiutegevuste jaoks. Tervishoiu põhitegevus seisneb patsiendi ja tervishoiutöötaja omavahelises suhtluses. Need suhtlused toimuvad tervishoiutöös ja kliinilistes tegevustes ning on antud rahvusvahelise standardi protsessikeskse lähenemisviisi aluseks. Kliinilise sisu ja konteksti kirjeldamiseks on käesolev rahvusvaheline standard seotud üldise tervishoiu- ja kliinilise protsessi mudeliga, samuti tervishoiuteenuste kliiniliste, juhtimis- ja ressursitasandi terviklike mõistemääratluste ja mõistemudelitega.

Praktikas hõlmab käesolev rahvusvaheline standard mõistemääratlusi, mida läheb vaja siis, kui nõutakse tervishoiualast struktureeritud teavet. Määratlused puudutavad ainult kontseptuaalset tasandit ega käsitle rakendamise üksikasju. Antud rahvusvaheline standard kirjeldab üksikasjalikult kõigil tasanditel:

— rahvusvahelise, riikliku või kohaliku tasandi semantilise koosvõime arendamiseks vajaminevaid loogilisi infovõrdlusmudeleid,

— infosüsteeme ja

— teatud tüüpi kliiniliste protsesside teavet.

Selles rahvusvahelises standardis ei käsitleta spetsiifiliste tervishoiu-, kliiniliste ega infotehnoloogiliste tegevuste läbiviimist.

Selles rahvusvahelises standardis ei käsitleta tervishoiu-uuringuid ega tervishoiualast haridust.

Keel: et
Alusdokumendid: ISO 13940:2015; EN ISO 13940:2016

Kommenteerimise lõppkuupäev: 14.07.2022

EVS-EN ISO 3740:2019

Akustika. Müraallikate helivõimsustasemete määramine. Juhised põhistandardite rakendamiseks

Dokumendis antakse suunised kaheteistkümnest rahvusvahelisest põhistandardist koosneva kogumi kasutamiseks (vt tabeleid 1, 2 ja 3), milles kirjeldatakse erinevaid meetodeid igat tüüpi masinate, seadmete ja toodete helivõimsustasemete määramiseks. Siin esitatakse suunised nende hulgast ühe või mitme standardi valimiseks, mis sobib vastava konkreetset tüüpi heliallika, mõõtmiskeskkonna ja soovitud täpsusastmega. Esitatud suunised kehtivad õhu kaudu leviva heli kohta. Need on ette nähtud mürakatsenormide ettevalmistamisel kasutamiseks (vt ISO 12001), samuti müraemissiooni katsetes, kui spetsiifiline mürakatsenorm puudub. Sellised standardiseeritud mürakatsenormid võivad anda soovituse konkreetse(te) rahvusvahelis(t)e põhistandardi(te) rakendamiseks ja esitada üksikasjalikud nõuded montaaži- ja kasutustingimustele konkreetse seeria kohta, millesse katsealune masin kuulub, kooskõlas põhistandardites toodud üldpõhimõtetega.

See dokument ei ole ette nähtud asendama rahvusvahelises põhistandardis viidatud üksikute katsemeetodite üksikasju ega täiendama neid lisanõuetega.

MÄRKUS 1 Masinate, seadmete ja toodete müraemissiooni kirjeldamiseks saab kasutada kahte teineteist täiendavat suurust. Üks neist on emissiooni helirõhutase konkreetsel positsioonil ja teine on helivõimsustase. Põhimeetodeid emissiooni helirõhutasemete määramiseks tööjaamades ja teistes täpsustatud kohtades kirjeldatakse rahvusvahelistes standardites ISO 11200 kuni ISO 11205 (viited [20] kuni [25]).

MÄRKUS 2 Standardites ISO 3741 kuni ISO 3747 mainitud helienergiataset selles dokumendis ei käsitleta, sest seda ei mainita üheski õigusaktidest tulenevas nõudes. Selle rakendamine piirdub väga spetsiifiliste, standardis ISO 12001 määratletud üksiku helisööstu või mööduva heli juhtudega.

Keel: et
Alusdokumendid: ISO 3740:2019; EN ISO 3740:2019

Kommenteerimise lõppkuupäev: 14.07.2022

EVS-EN ISO 41012:2018

Kinnisvarakeskkonna korraldus. Juhend strateegiliseks hankimiseks ja lepingute koostamiseks

See dokument annab juhised hankimiseks ja lepingute arendamiseks kinnisvarakeskkonna korralduse valdkonnas. See tõstab esile:

— kinnisvarakeskkonna korralduse hankimisprotsesside olulised elemendid;

— kinnisvarakeskkonna korralduse rollid ja kohustused hankimisprotsessides;

— tüüpiliste lepingumudelite arendamise protsessid ja konstruktsioonid.

See dokument kehtib:

— tuumiktegevuse teenindus- ja tugifunktsioonidega seotud strateegilistele protsessidele;

— kinnisvarakeskkonna korralduse strateegiate väljatöötamisele;

— kinnisvarakeskkonna teenuste osutamise lepingute väljatöötamisele, mis hõlmavad nii avaliku kui erasektori teenuste nõudlust ning ettevõttesiseseid ja väliseid tootmis-/tarnevõimalusi;

— kinnisvarakeskkonna korralduse infosüsteemide arendamisele;

— kinnisvarakeskkonna korralduse haridus- ja teadusuuringutele;

— organisatsiooni arendamisele ja äritegevuse ümberkorraldamise protsessidele peamistes töökeskkondades (nt tööstus, kaubandus, administreerimine, sõjavägi, tervishoid, majutus).

Keel: et
Alusdokumendid: ISO 41012:2017; EN ISO 41012:2018

Kommenteerimise lõppkuupäev: 14.07.2022

prEN 14885

Keemilised desinfektsioonivahendid ja antiseptikumid. Keemiliste desinfektsioonivahendite ja antiseptikumide Euroopa standardite rakendamine

Selles dokumendis täpsustatakse Euroopa standardid, millele tooted peavad vastama, et toetada selles dokumendis osutatud väiteid mikrobitsiidse toime kohta.

Selles dokumendis täpsustatakse ka Euroopa standardis kasutatavad terminid ja määratlused.

Seda kohaldatakse toodete suhtes, mille puhul väidetakse toimet järgmiste mikroorganismide suhtes: vegetatiivsed bakterid (sealhulgas mükobakterid ja Legionella), bakteriaalsed spoorid, pärmseened, seene spoorid ja viirused (sealhulgas bakteriofaagid).

See on ette nähtud:

a) võimaldama toodete tootjatel valida sobivad standardid, mida kasutada andmete esitamiseks, mis toetavad nende väiteid konkreetse toote kohta;

b) võimaldama toote kasutajatel hinnata tootja esitatud teavet kasutusotstarbe kohta, mille jaoks nad kavatsevad toodet kasutada;

c) aitama reguleerivatel asutusel hinnata tootja või toote turuleviimise eest vastutava isiku esitatud nõudeid.

Seda kohaldatakse toodete suhtes, mida kasutatakse inimmeditsiinis, veterinaarias ning toidu-, tööstuse-, kodumajapidamis- ja ametkondlikus valdkonnas.

Inimmeditsiini valdkonnas (töörühm 1, ehk WG 1) kohaldatakse seda keemiliste desinfektsioonivahendite ja antiseptikumide suhtes, mida kasutatakse piirkondades ja olukordades, kus on meditsiiniliselt osutatud desinfektsioonile või antiseptikale. Sellised näidustused esinevad patsiendi hooldamisel:

— haiglates, kogukonna meditsiiniasutustes, hambaraviasutustes ja analüüside ja uurimiste meditsii-nilaborites,

— koolide, lasteaedade ja hooldekodude kliinikutes,

— ja võib esineda ka töökohal ja kodus. See võib hõlmata ka selliseid teenuseid nagu pesumaja ja köögid, mis tarnivad tooteid otse patsiendile.

Veterinaarias (WG 2) on see kasutatav keemiliste desinfektsioonivahendite ja antiseptikumide jaoks, mida kasutatakse aretuses, loomakasvatuses, veterinaarhooldusasutustes, tootmisel, loomade transportimisel ja kõrvaldamisel ja analüüside ja teadustöö meditsiinilaborites. Seda ei kohaldata keemiliste desinfektsioonivahendite suhtes, mida kasutatakse toiduahelas pärast surma ja töötlevasse tööstusesse sisenemist.

Toidu-, tööstuse-, kodumajapidamis- ja ametkondlikes valdkondades (WG 3) on see kohaldatav loomset või taimset päritolu toidu töötlemisel, turustamisel ja jaemüügil kasutatavate keemiliste desinfektsioonsvahendite ja antiseptikumide suhtes. See kehtib ka toodete kohta kõikides avalikes kohtades, kus desinfektsioon ei ole meditsiiniliselt näidustatud (kodud, toitlustus, koolid, lasteaiad, transport, hotellid, kontorid jne) ja toodetele, mida kasutatakse pakendamiseks, biotehnoloogias, laborites (välja arvatud laborid veterinaaria ja meditsiini analüüsideks ja teadustööks) farmaatsia-, kosmeetika- jms tööstuses.

See dokument on kohaldatav ka väljatöötamisel olevatele toimeainetele ja toodetele, mille kasutusala pole veel kindlaks määratud.

Seda dokumenti uuendatakse perioodiliselt, et kajastada iga ajakohase avaldatud standardi versiooni, mis CEN/TC 216 on väljatöötatud. Sõltumata sellest uuendusest tuleb kasutada uusi avaldatud standardeid, isegi kui need ei ole standardis EN 14885 mainitud.

See dokument ei viita toodete või toimeainete toksikoloogiliste ja ökotoksikoloogiliste omaduste katsetamise meetoditele.

Keel: et
Alusdokumendid: prEN 14885

Kommenteerimise lõppkuupäev: 14.07.2022

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-EN 14081-2:2019+A1:2022

Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 2: Masinsortimine. Täiendavad nõuded tüübikatsetusteks
Timber structures - Strength graded structural timber with rectangular cross section - Part 2: Machine grading; additional requirements for type testing

See dokument määrab kindlaks lisaks standardis EN 14081-1 antutele nõuded nelinurkse ristlõikega saagimisega, hööveldamisega või muu meetodiga vormitud ja standardile EN 336 vastava sihtmõõtmete hälbega tugevussorditud ehituspuidu tüübikatsetustele. See sisaldab nõudeid tugevussortimise masinatele.

EVS-EN IEC 61557-3:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3: Rikkesilmuse näivtakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance (IEC 61557-3:2019)

Standardisarja IEC 61557 see osa sätestab nõuded liinijuhi ja kaitsejuhi, liinijuhi ja neutraaljuhi või kahe liinijuhi vahelise rikkesilmuse näivtakistuse mõõteseadmetele, mis kasutavad katsetamisel mõõtmiseks koormatud ahela pingelangu.

EVS-EN IEC 61557-7:2022

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7: Faasijärjestus
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence (IEC 61557-7:2019)

Standardisarja IEC 61557 see osa sätestab nõuded kolmefaasilises jaotussüsteemis faasijärjestuse katsetamiseks kasutatavatele mõõteseadmetele. Faasijärjestuse näit võib olla mehaaniline, visuaalne ja/või akustiline.

See dokument ei kehti muude suuruste täiendavate mõõtmiste kohta. See ei kehti ka seirereleede kohta.

MÄRKUS Maailmas üldiselt kasutatavad kolmefaasilised süsteemid on esitatud standardis IEC 61010-1.