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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 4385:2022

Aerospace series - Non-metallic materials - General organization of standardization - Links between types of standards

This document specifies the general organization of the EN standards for non-metallic materials and their links with other types of standards for aerospace applications. It corresponds to level 0 (see 4.1).

Keel: en
Alusdokumendid: EN 4385:2022

EVS-EN ISO 18064:2022

Thermoplastic elastomers - Nomenclature and abbreviated terms (ISO 18064:2022)

This document establishes a nomenclature system for thermoplastic elastomers based on the chemical composition of the polymer or polymers involved. It specifies symbols and abbreviated terms used to identify thermoplastic elastomers in industry, commerce, and government. It is not intended to conflict with, but to supplement, existing trade names and trademarks. NOTE 1 The name of the thermoplastic elastomer is intended to be used in technical papers and presentations followed by the abbreviated term used to designate the elastomer in this document. NOTE 2 Annex A gives thermoplastic-elastomer abbreviated terms that have been used in the past in materials standards, technical bulletins, textbooks, patents, and trade literature.

Keel: en
Alusdokumendid: ISO 18064:2022; EN ISO 18064:2022
Asendab dokumenti: EVS-EN ISO 18064:2014

EVS-EN ISO 9488:2022

Solar energy - Vocabulary (ISO 9488:2022)

This document defines basic terms relating to the work of ISO/TC 180. The committee covers standardization in the field of the measurement of solar radiation and solar energy utilization in space and water heating, cooling, industrial process heating and air conditioning. Consequently, the vocabulary within this document is focussed on definitions relating to those measurement and utilisation technologies. Since the 1999 version of this document there has been considerable development in solar photovoltaic technologies and high temperature solar thermal technologies that use heat to produce electricity or to provide high temperatures for processes that require elevated temperatures. This standard has some definitions that are useful also for those technologies; however, there are other documents that cover vocabulary for these technologies in more detail.

Keel: en
Alusdokumendid: ISO 9488:2022; EN ISO 9488:2022
Asendab dokumenti: EVS-EN ISO 9488:2000

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

EVS-EN ISO 12855:2022

Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2022)

This document specifies: — the interfaces between electronic fee collection (EFC) back-office systems for vehicle-related transport services, e.g. road user charging, parking and access control; — an exchange of information between the back end system of the two roles of service provision and toll charging, e.g.: — charging-related data (toll declarations, billing details), — administrative data, and — confirmation data; — transfer mechanisms and supporting functions; — information objects, data syntax and semantics. This document is applicable for any vehicle-related toll service and any technology used for charging. The data types and associated coding related to the data elements described in Clause 6 are defined in Annex A, using the abstract syntax notation one (ASN.1) according to ISO/IEC 8824-1. This document specifies basic protocol mechanisms over which implementations can specify and perform complex transfers (transactions). This document does not specify, amongst others: — any communication between toll charger (TC) or toll service provider (TSP) with any other involved party; — any communication between elements of the TC and the TSP that is not part of the back-office communication; — interfaces for EFC systems for public transport; — any complex transfers (transactions), i.e. sequences of inter-related application data units (ADUs) that can possibly involve several application protocol data unit (APDU) exchanges; — processes regarding payments and exchanges of fiscal, commercial or legal accounting documents; and — definitions of service communication channels, protocols and service primitives to transfer the APDUs.

Keel: en
Alusdokumendid: ISO 12855:2022; EN ISO 12855:2022
Asendab dokumenti: EVS-EN ISO 12855:2015

11 TERVISEHOOLDUS

CEN ISO/TR 20342-7:2022

Assistive products for tissue integrity when lying down - Part 7: Foam properties, characteristics and performance (ISO/TR 20342-7:2021)

This document lists the terminology and common test methods used by manufacturers and laboratories to quantify the performance of a foam material. It also and gives information to users or buyers of these products to make an educated assessment of the relevance of the physical characteristics between various products offered to them. This document summarizes/gives information about the tests for — polyurethane foams – typically polyether (polyether polyurethane foam) or polyester based (polyester polyurethane foam) – produced by either slabstock (slabstock foam) or moulded foam process, and — latex foams produced by either the Dunlop process or Talalay process. The physical properties addressed in this document are a) resilience, b) hysteresis, c) support/SAG factor, d) density, e) hardness, f) compression set, g) tensile strength, h) tear strength, i) air flow/permeability, j) resistance to fatigue, and k) microbial resistance. NOTE The test methods presented in this document do not necessarily simulate conditions of use in practice. The use of resulting data is therefore restricted to a broad comparative assessment between different foam products. This document addresses only the characterization and performance of foam materials used in APTIs. It does not address the design, construction method or other factors relating to the final clinical efficiency of the product. Test methods for characterizing the physical properties of any coverings, or the effects of any coverings on the physical properties of the foams, are not addressed in this document.

Keel: en
Alusdokumendid: ISO/TR 20342-7:2021; CEN ISO/TR 20342-7:2022

EVS-EN IEC 61675-1:2022

Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs

IEC 61675-1:2022 specifies terminology and test methods for declaring the characteristics of POSITRON EMISSION TOMOGRAPHS. POSITRON EMISSION TOMOGRAPHS detect the ANNIHILATION RADIATION of positron emitting RADIONUCLIDES by COINCIDENCE DETECTION.

Keel: en
Alusdokumendid: IEC 61675-1:2022; EN IEC 61675-1:2022
Asendab dokumenti: EVS-EN 61675-1:2014

EVS-EN ISO 11608-1:2022

Nõelinfusiooni süsteemid meditsiiniliseks kasutamiseks. Nõuded ja katsemeetodid. Osa 1: Nõelinfusiooni süsteemid
Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems (ISO 11608-1:2022)

This document specifies requirements and test methods for Needle-Based Injection Systems (NISs) for single-patient use intended to deliver discrete volumes (bolus) of medicinal product, which can be delivered through needles or soft cannulas for intradermal, subcutaneous and/or intramuscular delivery, incorporating pre-filled or user-filled, replaceable or non-replaceable containers. This document applies in cases where the NIS incorporates a prefilled syringe. However, stand-alone prefilled syringes defined by ISO 11040-8 are not covered by this document (see exclusions below). It is important to note that other functions and characteristics of the prefilled syringe, such as dose accuracy, are subject to the requirements (delivered volume) in ISO 11040-8 and not this document, unless the addition impacts the delivery function (e.g. a mechanism that intends to restrict or stop the plunger movement, which would limit the dose delivered). In that case, the system is completely covered by this document and applicable requirements of the ISO 11608 series. Excluded from the scope are: — stand-alone prefilled syringes defined by ISO 11040-8 (with noted exceptions above); — NISs that provide continuous delivery and require a delivery rate clinically specified in the medicinal product labelling or determined by a physician based on clinical relevance (i.e. medication efficacy) as would be the case with insulin patch pumps or traditional infusion pumps (e.g. IEC 60601-2-24, ISO 28620) associated with continuous delivery of medicinal products (e.g. insulin); — NISs with containers that can be refilled multiple times; — requirements relating to methods or equipment associated with user filling of containers unless they are dedicated accessories (a component necessary for primary function, whether included in the original kitted product or not); — NISs intended for dental use; — NISs intended for different routes of administration (e.g. intravenous, intrathecal, intraocular). NOTE These products that are excluded might benefit from elements in this document but might not completely fulfil the basic safety and effectiveness of such products.

Keel: en
Alusdokumendid: ISO 11608-1:2022; EN ISO 11608-1:2022
Asendab dokumenti: EVS-EN ISO 11608-1:2015

EVS-EN ISO 11608-2:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 2: Double-ended pen needles (ISO 11608-2:2022)

This document specifies requirements and test methods for single-use, double-ended, sterile needles intended to be used with some needle-based injection systems (NISs) that use a non-integrated double-ended needle according to ISO 11608-1. This document is not applicable to the following: — needles for dental use; — pre-attached syringe needles; — hypodermic needles; — needles intended for different routes of administration (e.g. intravenous, intrathecal, intraocular); — materials that form the medicinal product contact surfaces of the primary container closure. However, while this document is not intended to directly apply to these needle products, it does contain requirements and tests methods that can be used to help design and

evaluate them. NOTE Needles provided by the manufacturer integrated into the fluid path or container are covered in ISO 11608-3, and hypodermic needles provided separately are covered in ISO 7864.

Keel: en
Alusdokumendid: ISO 11608-2:2022; EN ISO 11608-2:2022
Asendab dokumenti: EVS-EN ISO 11608-2:2012

EVS-EN ISO 11608-3:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 3: Containers and integrated fluid paths (ISO 11608-3:2022)

This document specifies requirements and test methods for design verification of containers and integrated fluid paths used with Needle-Based Injection Systems (NISs) according to ISO 11608-1. It is applicable to single and multi-dose containers either filled by the manufacturer (primary container closure) or by the end-user (reservoir) (e.g. cartridges, syringes) and fluid paths that are integrated with the NIS at the point of manufacture. This document is also applicable to prefilled syringes (see ISO 11040-8) when used with a NIS (see also scope of ISO 11608-1:2022). This document is not applicable to the following products: — sterile hypodermic needles; — sterile hypodermic syringes; — sterile single-use syringes, with or without needle, for insulin; — containers that can be refilled multiple times; — containers intended for dental use; — catheters or infusion sets that are attached or assembled separately by the user.

Keel: en
Alusdokumendid: ISO 11608-3:2022; EN ISO 11608-3:2022
Asendab dokumenti: EVS-EN ISO 11608-3:2012

EVS-EN ISO 11608-4:2022

Needle-based injection systems for medical use - Requirements and test methods - Part 4: Needle-based injection systems containing electronics (ISO 11608-4:2022)

This document specifies requirements and test methods for needle-based injection systems (NISs) containing electronics with or without software (NIS-Es). The needle-based injection system containing electronics can be single use or reusable and can be operated with or without electrical/conductive connections to other devices. The system is intended to deliver medication to a patient by self-administration or by administration by one other operator (e.g. caregiver or health care provider). This document applies to electronic accessories that are intended to be physically connected to a NIS or NIS-E according to the NIS/NIS-E intended use. This document also applies to electronic accessories that are intended to have electrical/conductive connections to a NIS or NIS-E according to the NIS/NIS-E intended use. This document does not specify requirements for software in programmable NIS-E. NOTE IEC 60601-1:2005+AMD1:2012+AMD2:2020, Clause 14 addresses software life cycle processes. This document does not specify requirements for cybersecurity.

Keel: en
Alusdokumendid: ISO 11608-4:2022; EN ISO 11608-4:2022
Asendab dokumenti: EVS-EN ISO 11608-4:2007

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 22100-5:2022

Safety of machinery - Relationship with ISO 12100 - Part 5: Implications of artificial intelligence machine learning (ISO/TR 22100-5:2021)

This document addresses how artificial intelligence machine learning can impact the safety of machinery and machinery systems. This document describes how hazards being associated with artificial intelligence (AI) applications machine learning in machinery or machinery systems, and designed to act within specific limits, can be considered in the risk assessment process. This document is not applicable to machinery or machinery systems with AI applications machine learning designed to act beyond specified limits that can result in unpredictable effects. This document does not address safety systems with AI, for example, safety-related sensors and other safety-related parts of control systems.

Keel: en
Alusdokumendid: ISO/TR 22100-5:2021; CEN ISO/TR 22100-5:2022

CLC/TS 50136-10:2022

Alarm systems - Alarm transmission systems and equipment - Part 10: Requirements for remote access

This document specifies minimum requirements for secure connection and session for remote access to one or more alarm systems, for example fire safety systems, intruder and hold-up alarm systems, electronic access control systems, external perimeter security systems, video surveillance systems, and social alarm systems. This document specifies the requirements for the performance, reliability, integrity, and security characteristics of a Remote Access Infrastructure. This document specifies the requirements for a Remote Access Infrastructure between a Remote Access Client and an alarm system at the supervised premises and may be either integrated as part of the ATS or a separate infrastructure. In either case, the requirements of this European technical specification should apply. This document does not cover the provision of functions and features on the alarm system.

Keel: en
Alusdokumendid: CLC/TS 50136-10:2022

EVS-EN ISO 12863:2022

Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022)

This document specifies a test method for testing the capability of a cigarette, positioned on one of three standard substrates, to extinguish or to generate sufficient heat to continue burning, and thus potentially cause ignition of bedding or upholstered furniture. This document is only applicable to factory-made cigarettes that burn along the length of a tobacco column. This is a performance-based document; it does not prescribe any design features of the cigarette that can lead to improved or degraded performance in the test method. The output of this method has been correlated with the potential for cigarettes to ignite upholstered furniture.

Keel: en
Alusdokumendid: ISO 12863:2022; EN ISO 12863:2022
Asendab dokumenti: EVS-EN ISO 12863:2010
Asendab dokumenti: EVS-EN ISO 12863:2010/A1:2016
Asendab dokumenti: EVS-EN ISO 12863:2010/AC:2011

EVS-EN ISO 16321-1:2022

Silmade ja näo kaitsevahendid töökeskkonnas kasutamiseks. Osa 1: Üldnõuded
Eye and face protection for occupational use - Part 1: General requirements (ISO 16321-1:2021)

This document specifies general requirements for eye and face protectors. These protectors are intended to provide protection for the eyes and faces of persons against one or more common occupational hazards such as impacts from flying particles and fragments, optical radiation, dusts, splashing liquids, molten metals, heat, flame, hot solids, harmful gases, vapours and aerosols. Additional requirements for eye and face protectors used during welding and related techniques and for mesh protectors are given in ISO 16321-2 and ISO 16321-3, respectively. This document applies to: — all plano as well as corrective and prescription lensed protectors and components; — those eye and face protectors used for occupational-type tasks that are performed similarly to an occupation, e.g. "do-it-yourself"; — those eye and face protectors used in educational establishments. This document does not apply to: — protectors specifically intended for protection against only solar radiation and used in non- occupational environments for which the ISO 12312 series applies; — protectors for medically prescribed applications (not occupational), e.g. eye protection for severe dry eye, tints prescribed for medical conditions; — patient eye protectors during diagnosis or treatment (e.g. ISO/TR 22463); — protectors for use during medical or e.g. aesthetic applications, e.g. intense light sources (ILS) for which the ISO 12609 series applies; — protectors specifically intended for sports for which the ISO 18527 series applies; — laser protectors; — face protectors intended for live-working to protect against short-circuit electric arcs for which IEC 62819 applies; — protectors intended to protect against ionizing radiation, e.g. X-rays, for which IEC 61331-3 applies.

Keel: en
Alusdokumendid: ISO 16321-1:2021; EN ISO 16321-1:2022
Asendab dokumenti: EVS-EN 166:2003
Asendab dokumenti: EVS-EN 169:2002
Asendab dokumenti: EVS-EN 170:2002
Asendab dokumenti: EVS-EN 171:2002
Asendab dokumenti: EVS-EN 172:1999
Asendab dokumenti: EVS-EN 172:1999/A1:2000
Asendab dokumenti: EVS-EN 172:1999/A2:2002
Asendab dokumenti: EVS-EN 379:2003+A1:2009

EVS-EN ISO 16321-3:2022

Silmade ja näo kaitsevahendid töökeskkonnas kasutamiseks. Osa 3: Lisanõuded võrkkaitsetele
Eye and face protection for occupational use - Part 3: Additional requirements for mesh protectors (ISO 16321-3:2021)

This document specifies additional performance and marking requirements for mesh protectors designed to provide protection for the eyes and faces of persons against mechanical hazards such as impacts from flying particles and fragments. The other applicable requirements for mesh protectors and the frames/mountings to which they are intended to be fitted are given in ISO 16321-1. This document also applies to mesh protectors used in educational establishments. This document also applies to those eye and face protectors used for occupational-type tasks that are performed similarly to an occupation, e.g. "do-it-yourself". This document is not applicable to protectors for use against liquid splash (including molten metal), hot solid risks, infrared and ultraviolet radiation. For protection against these hazards suitable additional or alternative protectors according ISO 16321-1 will be needed. This document does not apply to mesh protectors used in sports such as fencing.

Keel: en
Alusdokumendid: ISO 16321-3:2021; EN ISO 16321-3:2022
Asendab dokumenti: EVS-EN 166:2003
Asendab dokumenti: EVS-EN 1731:2006

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 62127-1:2022

Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields

IEC 62127-1:2022 specifies methods of use of calibrated hydrophones for the measurement in liquids of acoustic fields generated by ultrasonic medical equipment including bandwidth criteria and calibration frequency range requirements in dependence on the spectral content of the fields to be characterized. This document: - defines a group of acoustic parameters that can be measured

on a physically sound basis; - defines a second group of parameters that can be derived under certain assumptions from these measurements, and called derived intensity parameters; - defines a measurement procedure that can be used for the determination of acoustic pressure parameters; - defines the conditions under which the measurements of acoustic parameters can be made using calibrated hydrophones; - defines procedures for correcting for limitations caused by the use of hydrophones with finite bandwidth and finite active element size, and for estimating the corresponding uncertainties. IEC 62127-1:2022 cancels and replaces the first edition published in 2007 and Amendment 1:2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition. a) The upper frequency limit of 40 MHz has been removed. b) Hydrophone sensitivity definitions have been changed to recognize sensitivities as complex-valued quantities. c) Procedures and requirements for narrow-band approximation and broadband measurements have been modified; details on waveform deconvolution have been added. d) Procedures for spatial averaging correction have been amended. e) Annex D, Annex E and bibliography have been updated to support the changes of the normative parts.

Keel: en
Alusdokumendid: IEC 62127-1:2022; EN IEC 62127-1:2022
Asendab dokumenti: EVS-EN 62127-1:2007
Asendab dokumenti: EVS-EN 62127-1:2007/A1:2013

EVS-EN ISO 8655-2:2022

Kolbmahumõõtevahendid. Osa 2: Pipetid
Piston-operated volumetric apparatus - Part 2: Pipettes (ISO 8655-2:2022)

Selles dokumendis määratletakse — metroloogilised nõuded, — maksimaalselt lubatavad hälbed, — nõuded märgistamisele ja — kasutajatele edastatav teave, mis puudutavad ühe ja mitme kanaliga õhkpadjaga kolbpipette (tüüp A) ja kolbpipette (tüüp D) koos nende valitud otsiku(te)ga ning kõigi muude oluliste tarvikutega, mis on ette nähtud valitud mahu väljastamiseks (Ex).

Keel: en, et
Alusdokumendid: EN ISO 8655-2:2022; ISO 8655-2:2022
Asendab dokumenti: EVS-EN ISO 8655-2:2003
Asendab dokumenti: EVS-EN ISO 8655-2:2003/AC:2009

EVS-EN ISO 8655-6:2022

Kolbmahumõõtevahendid. Osa 6: Gravimeetriline tugimõõteprotseduur mahu mõõtmiseks
Piston-operated volumetric apparatus - Part 6: Gravimetric reference measurement procedure for the determination of volume (ISO 8655-6:2022)

Selles dokumendis määratletakse gravimeetriline tugimõõteprotseduur kolbmahumõõtevahendite (piston-operated volumetric apparatus, POVA) mahu mõõtmiseks. Protseduur on kohandatav terviklikele süsteemidele, mis sisaldavad põhiseadet ja kõiki seadmega kasutamiseks valitud osi, ühekordseid või korduskasutatavaid, mis on seotud sisalduva mahu mõõtmisega (In) või mõõtmisega väljastamisel (Ex).

Keel: en, et
Alusdokumendid: EN ISO 8655-6:2022; ISO 8655-6:2022
Asendab dokumenti: EVS-EN ISO 8655-6:2003
Asendab dokumenti: EVS-EN ISO 8655-6:2003/AC:2009

19 KATSETAMINE

EVS-EN IEC 61010-2-012:2022

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-012: Erinõuded kliima- ja keskkonnaalastele katsetusseadmetele ja muudele temperatuuri konditsioneerimise seadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment

IEC 61010-2-012:2019 specifies safety requirements for electrical equipment and its accessories within the categories a) through c), wherever it is intended to be used, whenever that equipment incorporates one or more of the following characteristics: – A refrigerating system that is acted on or impacted by an integral heating function such that the combined heating and refrigerating system generates additional and/or more severe hazards than those for the two systems if treated separately. – The materials being treated in the intended application introduce significant heat into the refrigerating system, so that the refrigerating system in the application yields additional and/or more severe hazards than those for the refrigerating system if operated at the maximum rated ambient temperature alone. – An irradiation function for the materials being treated presenting additional hazards. – A function to expose the materials being treated to excessive humidity, carbon dioxide, salt mist, or other substances which can result in additional hazards. – A function of mechanical movement presenting additional hazards. – Provision for an operator to walk in to the operating area to load or unload the materials being treated. It has the status of a group safety publication in accordance with IEC Guide 104. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) alignment with changes introduced by Amendment 1 of IEC 61010-1:2010; b) changes related to the use of small capitals for defined terms only; c) clarifications for cooling tests in 4.4.2.10; d) requirements for overtemperature protection in 10.101, including deletion of the second part of the sentence in item b), and the deletion of item c); e) changes pertaining to the accurate employment of terms "temperature", "operating temperature", "working temperature", "application temperature", "room temperature" and "ambient temperature" in 3.5.104, 3.5.105, 4.3.1, 4.3.2, 5.4.2, 8.2.1, 8.2.2, 11.7.2.101.2, 11.7.2.101.3, 13.2.102, 14.102, 15.101, 15.102, 15.103, Introduction and many other locations. For the purpose of clarification, the definition of 3.5.114, controlled temperature, is added.

Keel: en
Alusdokumendid: IEC 61010-2-012:2019; EN IEC 61010-2-012:2022
Asendab dokumenti: EVS-EN 61010-2-012:2016

EVS-EN IEC 61010-2-012:2022/A11:2022

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-012: Erinõuded kliima- ja keskkonnaalastele katsetusseadmetele ja muudele temperatuuri konditsioneerimise seadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment

1 Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the first paragraph by the following: This group safety publication is primarily intended to be used as a product safety standard for the products mentioned in the scope, but shall also be used by technical committees in the preparation of their publications for products similar to those mentioned in the scope of this standard, in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. This Part 2 of IEC 61010 specifies safety requirements for electrical equipment and their accessories within the categories a) through c), wherever they are intended to be used, whenever that equipment incorporates one or more of the following characteristics: – A REFRIGERATING SYSTEM that is acted on or impacted by an integral heating function such that the combined heating and cooling system generates additional and/or more severe HAZARDS than those for the two systems if treated separately. – The materials being treated in the intended application introduce significant heat into the REFRIGERATING SYSTEM that the cooling system in the application yield additional and/or more severe HAZARDS than those for the cooling system if operated at the maximum RATED ambient alone. – An irradiation function for the materials being treated presenting additional HAZARDS. – A function to expose the materials being treated to excessive humidity, carbon dioxide, salt mist, or other substances which may result in additional HAZARDS. – A function of MECHANICAL MOVEMENT presenting additional HAZARDS. – Provision for an OPERATOR to walk-in to the operating area to load or unload the materials being treated.

Keel: en
Alusdokumendid: EN IEC 61010-2-012:2022/A11:2022
Muudab dokumenti: EVS-EN IEC 61010-2-012:2022

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 14592:2022

Puitkonstruktsioonid. Tüübelkinnitid. Nõuded
Timber structures - Dowel-type fasteners - Requirements

This document specifies the characteristics of the following types of dowel-type fasteners: - nails; - staples; - screws; - dowels; - bolts with nuts. This document covers dowel-type fasteners for structural use in load bearing timber structures only. This document covers also the following additional intended uses of the screws: - to fix roof or cladding elements to the timber structure, with or without insulation layers; and - as reinforcement inserted in timber or in a glue laminated timber element to improve its resistance to compression perpendicular to the grain. This document covers types of dowel-type fasteners, which are manufactured of either carbon steel or stainless steel and which may be coated for the following purposes: - corrosion protection (as Type 1 coating); - lubrication, to facilitate insertion (as Type 2 coating); - withdrawal enhancement and/or collation for nails and staples (adhesive and/or resin coatings) (as Type 3 coating). This document covers types of dowel-type fasteners, which are manufactured from materials and within the specifications for their geometry related properties, only as they are specified for: - nails (see G.1); - staples (see G.2); - screws (see G.3); - dowels (see G.4); and - bolts with nuts (see G.5). This document specifies also the assessment and verification of constancy of performance (AVCP) procedures of these characteristics and includes provisions for marking of dowel-type fasteners. This document does not cover dowel-type fasteners treated with fire retardants to improve their fire performance, nor does it cover glued-in rods.

Keel: en
Alusdokumendid: EN 14592:2022
Asendab dokumenti: EVS-EN 14592:2008+A1:2012

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 15112:2022

External cathodic protection of well casings

This document provides information on methods suitable for assessing the likelihood of leakage due to external corrosion of well casings and to evaluate the need for cathodic protection, as well as methods of providing cathodic protection to the external part of these wells in contact with the soil. It also defines requirements for monitoring of performance of CP systems. Onshore and offshore wells are included in the scope. However, for offshore wells where protection is provided by anodes on the wellhead structure, it is recognized that it might not be practical to achieve full protection of well casings. This document applies to any gas, oil or water well with metallic casing, whether cemented or not. However, in special conditions (shallow casings: e.g. 50 m, and homogeneous soil), EN 12954 can be used to achieve the cathodic protection and assess its efficiency. The general requirements of EN 12954 apply; this document details additional, specific, requirements for CP of well casings. This document applies to production and injection wells. References later in this document to production also apply to injection.

Keel: en
Alusdokumendid: EN 15112:2022
Asendab dokumenti: EVS-EN 15112:2006

EVS-EN 15632-4:2022

District heating pipes - Factory made flexible pipe systems - Part 4: Bonded system with metal service pipes; requirements and test methods

This document specifies requirements and test methods for flexible, factory made, buried district heating pipe systems with metallic service pipes and bonding between the layers of the pipe assemblies and thermal insulation materials of polyurethane or polyisocyanurate foam, the casing being made of polyethylene. It is only applicable in conjunction with part 1. This document is applicable to pipes, fittings, their joints and to joints with components made of non-plastics materials intended to be used for district heating installations. This document is applicable to a continuous operating temperature up to 120 °C and a maximum operating temperature of 140 °C for maximum 300 h/a, and a design pressure up to 2,5 MPa for a design service life of at least 30 years. This document does not apply to cover surveillance systems. NOTE For higher temperatures or for the transport of other fluids, for example potable water, additional requirements and testing is needed. Such requirements are not specified in this document.

Keel: en
Alusdokumendid: EN 15632-4:2022
Asendab dokumenti: EVS-EN 15632-4:2009

EVS-EN 476:2022

General requirements for components used in drains and sewers

This document specifies general requirements to be respected in product standards for components such as pipes, fittings, inspection chambers and manholes with their respective joints intended for use in drains and sewers inside and outside buildings which operate as gravity systems allowing for a maximum pressure of 40 kPa. It also specifies general requirements for components used in hydraulically and pneumatically pressurized pipes, drains and sewers. NOTE 1 Where the term “inside buildings” is used in the context of components fixed inside buildings, it also includes pipes and fittings fixed on external surfaces of buildings. NOTE 2 This document is not a product standard and therefore not intended for the direct evaluation of products. This document covers components to be used in conveying in a satisfactory manner: — domestic wastewater; — rainwater and surface water; — other wastewater acceptable for discharge into the system. This document is applicable to components of circular and other cross sections. This document is equally applicable to components which are factory-made and to those constructed on site, where applicable. NOTE 3 This document does not apply to components used for trenchless construction according to EN 14457 and for components used for renovation of drains and sewers according to EN 13380. This document does not supersede the functional requirements of a complete system as defined in EN 752.

Keel: en
Alusdokumendid: EN 476:2022
Asendab dokumenti: EVS-EN 476:2011

EVS-EN ISO 22434:2022

Gas cylinders - Inspection and maintenance of valves (ISO 22434:2022)

This document specifies requirements for the inspection and maintenance of valves [including ball valves and valves with integrated pressure regulator (VIPRs)] for: a) refillable transportable gas cylinders; b) cylinder bundles; c) pressure drums and tubes; which convey compressed, liquefied or dissolved gases. This document does not apply to valves for liquefied petroleum gas (LPG). NOTE Where there is no risk of ambiguity, gas cylinders, cylinder bundles, pressure drums and tubes are addressed with the collective term “gas cylinders” within this document. This document is applicable to valves reused at the time of the periodic inspection of gas cylinders, cylinder bundles, pressure drums and tubes, and can be applied at any other time, e.g. at a change of gas service (see ISO 11621). This document does not apply to the routine inspection of valves, e.g. carried out at the time of a gas cylinder filling.

Keel: en
Alusdokumendid: ISO 22434:2022; EN ISO 22434:2022
Asendab dokumenti: EVS-EN ISO 22434:2011

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 62714-5:2022

Engineering data exchange format for use in industrial automation systems engineering - Automation Markup Language - Part 5: Communication

Engineering processes of technical systems and their embedded automation systems have to be executed with increasing efficiency and quality. Especially since the project duration tends to increase as the complexity of the engineered system increases. To solve this problem, the engineering process is more often being executed by exploiting software based engineering tools exchanging engineering information and artefacts along the engineering process related tool chain. Communication systems establish an important part of modern technical systems and, especially, of automation systems embedded within them. Following the increasing decentralisation of automation systems and the application of fieldbus and Ethernet technology connecting automation devices and further interacting entities have to fulfil special requirements on communication quality, safety and security. Thus, within the engineering process of modern technical systems, engineering information and artefacts relating to communication systems also have to be exchanged along the engineering process tool chain. In each phase of the engineering process of technical systems, communication system related information can be created which can be consumed in later engineering phases. A typical application case is the creation of configuration information for communication components of automation devices including communication addresses and communication package structuring within controller programming devices during the control programming phase and its use in a device configuration tool. Another typical application case is the transmission of communication device configurations to virtual commissioning tools, to documentation tools, or to diagnosis tools. At present, the consistent and lossless transfer of communication system engineering information along the complete engineering chain of technical systems is unsolved. While user organisations and companies have provided data exchange formats for parts

of the relevant information like FDCML, EDDL, and GSD the above named application cases cannot be covered by a data exchange format. Notably the networking related information describing communication relations and their properties and qualities cannot be modelled by a data exchange format.

Keel: en
Alusdokumendid: IEC 62714-5:2022; EN IEC 62714-5:2022

EVS-EN ISO 4531:2022

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en
Alusdokumendid: ISO 4531:2022; EN ISO 4531:2022
Asendab dokumenti: EVS-EN ISO 4531:2018

EVS-EN ISO 9016:2022

Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination (ISO 9016:2022)

This document specifies the method to be used when describing test specimen location and notch orientation for the testing and reporting of impact tests on welded butt joints. This document applies to impact tests on metallic materials in all forms of product made by any fusion and pressure welding process. It is used in addition to the ISO 148 series and includes test specimen denomination and additional reporting requirements.

Keel: en
Alusdokumendid: ISO 9016:2022; EN ISO 9016:2022
Asendab dokumenti: EVS-EN ISO 9016:2012

EVS-EN ISO/ASTM 52925:2022

Additive manufacturing of polymers - Feedstock materials - Qualification of materials for laser-based powder bed fusion of parts (ISO/ASTM 52925:2022)

This document provides guidance and recommendations for the qualification of polymeric materials intended for laser-based powder bed fusion of polymers (PBF-LB/P). The parameters and recommendations presented in this document relate mainly to the material polyamide 12 (PA12), but references are also made to polyamide 11 (PA11). The parameters and recommendations set forth herein cannot be applicable to other polymeric materials.

Keel: en
Alusdokumendid: ISO/ASTM 52925:2022; EN ISO/ASTM 52925:2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 61215-1-2:2021/A1:2022

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules

Amendment to EN IEC 61215-1-2:2021

Keel: en
Alusdokumendid: IEC 61215-1-2:2021/AMD1:2022; EN IEC 61215-1-2:2021/A1:2022
Muudab dokumenti: EVS-EN IEC 61215-1-2:2021

EVS-EN IEC 61215-1-3:2021/A1:2022

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules

Amendment to EN IEC 61215-1-3:2021

Keel: en
Alusdokumendid: IEC 61215-1-3:2021/AMD1:2022; EN IEC 61215-1-3:2021/A1:2022
Muudab dokumenti: EVS-EN IEC 61215-1-3:2021

EVS-EN IEC 61215-1-4:2021/A1:2022

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-4: Special requirements for testing of thin-film Cu(In,GA)(S,Se)2 based photovoltaic (PV) modules

Amendment to EN IEC 61215-1-4:2021

Keel: en

Alusdokumendid: IEC 61215-1-4:2021/AMD1:2022; EN IEC 61215-1-4:2021/A1:2022
Muudab dokumenti: EVS-EN IEC 61215-1-4:2021

EVS-EN ISO 9488:2022

Solar energy - Vocabulary (ISO 9488:2022)

This document defines basic terms relating to the work of ISO/TC 180. The committee covers standardization in the field of the measurement of solar radiation and solar energy utilization in space and water heating, cooling, industrial process heating and air conditioning. Consequently, the vocabulary within this document is focussed on definitions relating to those measurement and utilisation technologies. Since the 1999 version of this document there has been considerable development in solar photovoltaic technologies and high temperature solar thermal technologies that use heat to produce electricity or to provide high temperatures for processes that require elevated temperatures. This standard has some definitions that are useful also for those technologies; however, there are other documents that cover vocabulary for these technologies in more detail.

Keel: en
Alusdokumendid: ISO 9488:2022; EN ISO 9488:2022
Asendab dokumenti: EVS-EN ISO 9488:2000

29 ELEKTROTEHNIKA

EVS-EN IEC 60947-5-2:2020+A11:2022

Madalpingelised lülitusaparaadid. Osa 5-2: Juhtimisahelaaparaadid ja lülituselemendid. Läheduslülitid

Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches (IEC 60947-5-2:2019)

This part of IEC 60947 applies to inductive and capacitive proximity switches that sense the presence of metallic and/or non-metallic objects, ultrasonic proximity switches that sense the presence of sound reflecting objects, photoelectric proximity switches that sense the presence of objects and non-mechanical magnetic proximity switches that sense the presence of objects with a magnetic field. Products covered by the scope of this document are not subjected to defined behaviours under fault conditions. Proximity switches with defined behaviour are covered by IEC 60947-5-3 and have to fulfil additional requirements. These proximity switches are self-contained, have semiconductor switching element(s) and are intended to be connected to circuits, the rated voltage of which does not exceed 250 V 50 Hz/60 Hz AC RMS or 300 V DC. Examples of typical applications for in-scope products: • factory automation and machinery industry; • logistic and packaging industry; • conveyor belts, lifts; • process industry; • power plants. Special applications (e.g. corrosive atmosphere) can cause additional requirements. This document is not intended to cover proximity switches with analogue outputs. The object of this document is to state for proximity switches: • definitions; • classification; • characteristics; • product information; • normal service, mounting and transport conditions; • constructional and performance requirements; • tests to verify rated characteristics. Products covered by the scope of this document are expected to be selected, installed, and maintained by skilled personnel only. Annex ZC of this document defines requirements in respect of safety under article 3.1(a) and Electromagnetic Compatibility (EMC) under article 3.1(b) of Directive 2014/53/EU for proximity switches that incorporate one or more radio technologies as set out in ZC.4 in a fixed and permanent manner. NOTE Requirements applicable to the efficient use of radio spectrum are not included in this document. These requirements can be found in the applicable ETSI product standard(s) for the effective use of the radio spectrum under article 3.2 of Directive 2014/53/EU.

Keel: en
Alusdokumendid: IEC 60947-5-2:2019; EN IEC 60947-5-2:2020; EN IEC 60947-5-2:2020/A11:2022
Konsolideerib dokumenti: EVS-EN IEC 60947-5-2:2020
Konsolideerib dokumenti: EVS-EN IEC 60947-5-2:2020/A11:2022

33 SIDETEHNIKA

EVS-EN 303 213-5-2 V1.1.1:2022

Lennuvälja maapealse liikluse täiustatud juhtimis- ja juhendamissüsteem (A-SMGCS); Osa 5. Raadiospektrile juurdepääsu harmoneeritud standard multilateraalse seiresüsteemi (MLAT) seadmetele; Alajaotus 2. Tugijaamad- ja maapealsete sõidukite saatjad

Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 2: Reference and Vehicle Transmitters

The present document specifies technical characteristics and methods of measurements for the following equipment: 1) devices transmitting in the 1 090 MHz band, used as ground-based reference transmitters in Mode S multilateration equipment in an Advanced Surface Movement Guidance and Control System (A-SMGCS); 2) devices transmitting in the 1 090 MHz band, used for ground vehicle tracking in an Advanced Surface Movement Guidance and Control System (A-SMGCS). Antennas for this equipment are considered to be passive without an additional amplifier. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: ETSI EN 303 213-5-2 V1.1.1

EVS-EN 319 532-4 V1.2.1:2022

Electronic Signatures and Infrastructures (ESI); Registered Electronic Mail (REM) Services; Part 4: Interoperability profiles

The present document specifies the interoperability profiles of the Registered Electronic Mail (REM) messages according to the formats defined in ETSI EN 319 532-3 and the concepts and semantics defined in ETSI EN 319 532-1 and ETSI EN 319 532-2. It deals with issues relating to authentication, authenticity and integrity of the information, with the purpose to address the achievement of interoperability across REM service providers, implemented according to the aforementioned specifications. The present document covers all the options to profile REM services for both styles of operation: S&N and S&F. The mandatory requirements defined in the aforementioned referenced REM services specifications are not normally repeated here, but, when necessary, the present document contains some references to them. More specifically, the present document: a) Defines generalities on profiling. b) Defines constraints for SMTP profile. The present document also specifies a REM baseline supporting the technical interoperability amongst service providers in different regulatory frameworks. NOTE: Specifically but not exclusively, REM baseline specified in the present document aims at supporting implementations of interoperable REM services by use of Trusted List Frameworks to constitute Trusted domains and qualified REM services (instances of electronic registered delivery services) by use of EU Trusted List system as per Regulation (EU) No 910/2014.

Keel: en
Alusdokumendid: ETSI EN 319 532-4 V1.2.1

EVS-EN 50411-3-6:2022

Fibre management systems and protective housings to be used in optical fibre communication systems - Product specifications - Part 3-6: Multi- mode mechanical fibre splice

1.1 Product definition This document contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements, which multimode mechanical splice needs to meet in order for it to be categorized as a European standard product. Although, in this document, the product is qualified for EN IEC 60793 2 10 types A1-OM1, A1-OM2, A1-OM3, A1-OM4 and A1-OM5 multimode fibres, it can also be suitable for other fibre types with 125 µm cladding diameter. 1.2 Interoperability The installed mechanical splice fits into optical fibre management system with optical splice cassettes or splice trays as defined in EN IEC 61756 1. This document specifies the following two physical interface dimensions: — cross sectional profile with width, height or diameter (in millimetres); — length (in millimetres). 1.3 Expected performance In this document, the performance of the mechanical splice is given with identical fibres only as specified in Annex A. Losses associated with tolerances in fibre cladding diameter and core diameter mismatch are not taken into account. The measured attenuation is a function of the core concentricity, cladding non-circularity and alignment capability. The optical return loss performance is a function of the index matching gel and the fibre end face preparation 1.4 Operating environment The tests selected combined with the severities and durations are representative of an outdoor enclosed environment category OP as defined in EN IEC 61753 1:2018, Table A.5. To ensure that the product can be used in outdoor closures, boxes or street cabinets for categories A, G or S (as defined in EN IEC 61753 1:2018, Tables A.13, A.14 and A.15) the specified lower temperature is extended to −40 °C and a water immersion requirement for temporary flooding conditions has been added. 1.5 Reliability Whilst the anticipated service life expectancy of the product in this environment is at least 20 years, compliance with this specification does not guarantee the reliability of the product. This is expected to be predicted using a recognized reliability assessment programme. 1.6 Quality assurance Compliance with this specification does not guarantee the manufacturing consistency of the product. This is expected to be maintained using a recognized quality assurance programme.

Keel: en
Alusdokumendid: EN 50411-3-6:2022
Asendab dokumenti: EVS-EN 50411-3-6:2013

EVS-EN 50411-6-1:2022

Fibre management systems and protective housings to be used in optical fibre communication systems - Product specifications - Part 6-1: Unprotected microduct for category S and A

1.1 Product definition This document contains the initial, start of life dimensional, mechanical and environmental performance requirements which an unprotected microduct are expected to meet. 1.2 Operating environment The tests selected combined with the severities and duration are representative of an outside plant for subterranean and/or aerial environment defined by: — ETS 300 019 class 8.1 - underground locations (without earthquake requirement); — EN IEC 61753 1 - category A (aerial environment) and category S (subterranean environment). 1.3 Quality assurance Compliance with this document does not guarantee the manufacturing consistency of the product. This is expected to be maintained using a recognized quality assurance programme. 1.4 Allowed product types This document covers all European Standards on optical fibre unprotected microducts. This includes, but is not limited to, EN 60794 5, Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing. 1.5 Allowed microduct connector types This microduct standard allows the use of all European Standard microduct connectors, including: straight, reducer/enlarger stem, reducer/enlarger, close down, liquid block, liquid block with barb end, and end stop connectors. This includes EN 50411 2 8, Fibre organizers and closures to be used in optical fibre communication systems - Product specifications - Part 2-8: Microduct connectors, for air blown optical fibres, Type 1.

Keel: en
Alusdokumendid: EN 50411-6-1:2022
Asendab dokumenti: EVS-EN 50411-6-1:2011

EVS-EN 61850-5:2013/A1:2022

Communication networks and systems for power utility automation - Part 5: Communication requirements for functions and device models

Amendment to EN 61850-5:2013

Keel: en

Alusdokumendid: IEC 61850-5:2013/AMD1:2022; EN 61850-5:2013/A1:2022
Muudab dokumenti: EVS-EN 61850-5:2013

EVS-EN IEC 61757-3-2:2022

Fibre Optic Sensors - Part 3-2: Acoustic sensing and vibration measurement - Distributed sensing

This part of IEC 61757 specifies terminology, characteristic performance parameters, related test and calculation methods, and specific test equipment for interrogation units used in distributed fibre optic acoustic sensing and vibration measurement systems. This document refers to Rayleigh backscatter and phase detection method by phase-sensitive coherent optical time-domain reflectometry (ϕ-OTDR) only. Quasi-static and low frequency operation modes are not covered by this document. Generic specifications for fibre optic sensors are defined in IEC 61757.

Keel: en
Alusdokumendid: IEC 61757-3-2:2022; EN IEC 61757-3-2:2022

EVS-EN IEC 62325-451-8:2022

Framework for energy market communications - Part 451-8: HVDC Scheduling process, contextual and assembly models for European style market

IEC 62325-451-8:2022 specifies a UML package for the HVDC Link scheduling business process and its associated document contextual models, assembly models and XML schemas for use within the European style electricity markets. This part of IEC 62325 is based on the European style market contextual model (IEC 62325-351). The business process covered by this part of IEC 62325 is described in Subclause 5.3. The relevant aggregate core components (ACCs) defined in IEC 62325-351 have been contextualised into aggregated business information entities (ABIEs) to satisfy the requirements of the European style market HVDC Link scheduling business process.

Keel: en
Alusdokumendid: IEC 62325-451-8:2022; EN IEC 62325-451-8:2022

35 INFOTEHNOLOOGIA

EVS-EN ISO 12855:2022

Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2022)

This document specifies: — the interfaces between electronic fee collection (EFC) back-office systems for vehicle-related transport services, e.g. road user charging, parking and access control; — an exchange of information between the back end system of the two roles of service provision and toll charging, e.g.: — charging-related data (toll declarations, billing details), — administrative data, and — confirmation data; — transfer mechanisms and supporting functions; — information objects, data syntax and semantics. This document is applicable for any vehicle-related toll service and any technology used for charging. The data types and associated coding related to the data elements described in Clause 6 are defined in Annex A, using the abstract syntax notation one (ASN.1) according to ISO/IEC 8824-1. This document specifies basic protocol mechanisms over which implementations can specify and perform complex transfers (transactions). This document does not specify, amongst others: — any communication between toll charger (TC) or toll service provider (TSP) with any other involved party; — any communication between elements of the TC and the TSP that is not part of the back-office communication; — interfaces for EFC systems for public transport; — any complex transfers (transactions), i.e. sequences of inter-related application data units (ADUs) that can possibly involve several application protocol data unit (APDU) exchanges; — processes regarding payments and exchanges of fiscal, commercial or legal accounting documents; and — definitions of service communication channels, protocols and service primitives to transfer the APDUs.

Keel: en
Alusdokumendid: ISO 12855:2022; EN ISO 12855:2022
Asendab dokumenti: EVS-EN ISO 12855:2015

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2535:2022

Aerospace series - Vacuum deposition of cadmium

This document specifies the method for depositing cadmium layers according to the vacuum deposition process, for use in aerospace construction. According to this process, cadmium metal is vaporized under vacuum and deposited directly on the base material with an interlayer. The coating produced in this way is ductile and electrically conductive. This document is applicable whenever referenced.

Keel: en
Alusdokumendid: EN 2535:2022
Asendab dokumenti: EVS-EN 2535:2011

EVS-EN 3155-075:2022

Aerospace series - Electrical contacts used in elements of connection - Part 075: Contacts, electrical, quadrax, size 8, female, type E, crimp, class R - Product standard

This document specifies the required characteristics, tests and tooling applicable to female electrical quadrax contacts, shielded, size 8, type E characteristic impedance 100 Ω, crimp, class R, used in elements of connection according to EN 3155-002. It is used together with EN 3155-001. The associated male contacts are defined in EN 3155-074.

Keel: en
Alusdokumendid: EN 3155-075:2022
Asendab dokumenti: EVS-EN 3155-075:2009

EVS-EN 3660-062:2022

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking - Product standard

This product standard defines a range of cable outlets, style K, 90°, shielded, sealed, self-locking (anti-rotational), for heat shrinkable boot, and/ or metallic bands for use under the following conditions: The mating connectors are listed in EN 3660-002. Temperature range, Class N : − 65 °C to 200 °C; Class K : − 65 °C to 260 °C; Class W : − 65 °C to 175 °C; Class T : − 65 °C to 175 °C (Nickel PTFE plating); Class Z : − 65 °C to 175 °C (Black zinc nickel plating). Associated electrical accessories: EN 3660-033 Metallic band (for shield termination). These cable outlets are designed for termination of overall shielding braid and/or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-062:2022
Asendab dokumenti: EVS-EN 3660-062:2016

EVS-EN 3660-063:2022

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking - Product standard

This product standard defines a range of cable outlets, style K, straight, shielded, sealed, self-locking (anti-rotational), heat shrinkable boot, and / or metallic bands for use under the following conditions: Associated electrical connector(s) EN 3660-002. Temperature range, Class N : - 65 °C to 200 °C; Class K : - 65 °C to 260 °C; Class W : - 65 °C to 175 °C; Class T : - 65 °C to 175 °C (Nickel PTFE plating); Class Z : - 65 °C to 175 °C (Black zinc nickel plating). Associated electrical accessories: EN 3660-033 Metallic band (for shield termination). These cable outlets are designed for termination of overall shielding braid and/or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-063:2022
Asendab dokumenti: EVS-EN 3660-063:2015

EVS-EN 3660-064:2022

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking - Product standard

This product standard defines a range of cable outlets, style K, straight, shielded, sealed, self-locking (anti-rotational), heat shrinkable boot, and / or metallic bands for use under the following conditions: The mating connectors are listed in EN 3660-002. Temperature range, Class N : - 65 °C to 200 °C; Class K : - 65 °C to 260 °C; Class W : - 65 °C to 175 °C; Class T : - 65 °C to 175 °C (Nickel PTFE plating); Class Z : - 65 °C to 175 °C (Black zinc nickel plating). Associated electrical accessories: EN 3660-033 Metallic band (for shield termination). These cable outlets are designed for termination of overall shielding braid and / or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-064:2022
Asendab dokumenti: EVS-EN 3660-064:2016

EVS-EN 3660-065:2022

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 065: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking - Product standard

This document defines a range of cable outlets, style K, 90°, shielded, sealed, self-locking (anti rotational) for heat shrinkable boot, and or with metallic bands under the following conditions. The mating connectors are listed in EN 3660-002. Temperature range, Class N : -65 °C to 200 °C; Class K : -65 °C to 260 °C; Class W : -65 °C to 175 °C; Class T : -65 °C to 175 °C (Nickel PTFE plating); Class Z : -65 °C to 175 °C (Black zinc nickel plating). Associated electrical accessories : EN 3660-033 Metallic band (for shield termination). These cable outlets are designed for termination of overall shielding braid and/or individual cable shields. They accommodate/permit the termination of heat shrinkable boots.

Keel: en
Alusdokumendid: EN 3660-065:2022
Asendab dokumenti: EVS-EN 3660-065:2016

EVS-EN 3745-412:2022

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 412: Humidity resistance

This document evaluates the resistance of the fiber optic cable to humidity changes at different temperatures.

Keel: en
Alusdokumendid: EN 3745-412:2022
Asendab dokumenti: EVS-EN 3745-412:2005

EVS-EN 3792:2022

Aerospace series - Anaerobic polymerisable compounds - Technical specification

This document specifies the requirements for a range of one part anaerobic polymerisable compounds which polymerises upon the exclusion of oxygen and activation by a metal surface.

Keel: en
Alusdokumendid: EN 3792:2022

EVS-EN 4260:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of technical specifications

This document specifies the rules for the drafting and presentation of technical specifications for metallic materials.

Keel: en
Alusdokumendid: EN 4260:2022

EVS-EN 4261:2022

Aerospace series - Metallic materials - Rules for drafting and presentation of test method standards

This document specifies the rules for the drafting and presentation of test method standards.

Keel: en
Alusdokumendid: EN 4261:2022

EVS-EN 4385:2022

Aerospace series - Non-metallic materials - General organization of standardization - Links between types of standards

This document specifies the general organization of the EN standards for non-metallic materials and their links with other types of standards for aerospace applications. It corresponds to level 0 (see 4.1).

Keel: en
Alusdokumendid: EN 4385:2022

EVS-EN 4387:2022

Aerospace series - Non-metallic materials - Rules for drafting and presentation of technical specifications

This document specifies the general rules for drafting and presentation of EN aerospace series non-metallic material technical specifications.

Keel: en
Alusdokumendid: EN 4387:2022

EVS-EN 6059-401:2022

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 401: Expansion range

This document specifies a method to determine the expansion range of protection sleeve for electrical cable and cable bundles, it is used together with EN 6059-100.

Keel: en
Alusdokumendid: EN 6059-401:2022

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 5402-1:2022

Leather - Determination of flex resistance - Part 1: Flexometer method (ISO 5402-1:2022)

This document specifies a method for determining the dry or wet flex resistance of leather and finishes applied to leather. It is applicable to all types of flexible leather below 3,0 mm in thickness.

Keel: en

Alusdokumendid: ISO 5402-1:2022; EN ISO 5402-1:2022
Asendab dokumenti: EVS-EN ISO 5402-1:2017

65 PÕLLUMAJANDUS

EVS-EN ISO 12863:2022

Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2022)

This document specifies a test method for testing the capability of a cigarette, positioned on one of three standard substrates, to extinguish or to generate sufficient heat to continue burning, and thus potentially cause ignition of bedding or upholstered furniture. This document is only applicable to factory-made cigarettes that burn along the length of a tobacco column. This is a performance-based document; it does not prescribe any design features of the cigarette that can lead to improved or degraded performance in the test method. The output of this method has been correlated with the potential for cigarettes to ignite upholstered furniture.

Keel: en
Alusdokumendid: ISO 12863:2022; EN ISO 12863:2022
Asendab dokumenti: EVS-EN ISO 12863:2010
Asendab dokumenti: EVS-EN ISO 12863:2010/A1:2016
Asendab dokumenti: EVS-EN ISO 12863:2010/AC:2011

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 4531:2022

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en
Alusdokumendid: ISO 4531:2022; EN ISO 4531:2022
Asendab dokumenti: EVS-EN ISO 4531:2018

71 KEEMILINE TEHNOLOOGIA

CEN/TR 17608:2022

State of the art on the use of flammable refrigerant alternatives, in particular from class A3, in refrigeration, air conditioning and heat pump equipment

This document provides the results of a comprehensive assessment of the state of the art on the use of flammable refrigerants, in particular from class A3. Refrigerants from class B (toxic) are excluded from this scope. This document includes the following elements: • A segmentation of the refrigeration, air conditioning and heat pump market, making use of existing studies and research, including an assessment of safety-related barriers to the uptake of flammable refrigerants in particular from class A3 across all relevant applications; • An assessment of the way risk assessments is used in existing standards for refrigeration, air conditioning and heat pump equipment and in other standards and a review of available risk assessment research to be taken into account including identification of potential needs for additional research; • Analysis of: • the relationship between risk and increased charge; • the acceptability of increased risk compared to the risk presented by other technologies; • the options for additional mitigation methods if the risk increase is unacceptable; • Review of existing standards and work programmes and identification of standards that should be further updated under existing or future standardisation requests based on relevant product safety legislation, in particular with regard to allowable charge sizes of flammable refrigerants, taking into account available technology as well as emerging research and development; • Identification of options for performance based requirements that result from risk assessments to enable the use of all flammable substances; • Identification of options for risk minimisation and for offering flexibility in application of mitigation measures. eptable.

Keel: en
Alusdokumendid: CEN/TR 17608:2022

EVS-EN 12124:2022

Chemicals used for treatment of water intended for human consumption - Sodium sulfite

This document is applicable to sodium sulfite used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of sodium sulfite and refers to the corresponding analytical methods. It gives information for its use in water treatment.

Keel: en
Alusdokumendid: EN 12124:2022
Asendab dokumenti: EVS-EN 12124:2012

EVS-EN 12126:2022

Chemicals used for treatment of water intended for human consumption - Liquefied ammonia

This document is applicable to liquefied ammonia used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of liquefied ammonia and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to the safe handling and use of liquefied ammonia (see Annex B).

Keel: en
Alusdokumendid: EN 12126:2022
Asendab dokumenti: EVS-EN 12126:2012

EVS-EN 14805:2022

Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using non-membrane technology

This document is applicable to sodium chloride intended for on-site electrochlorination of water intended for human consumption using non-membrane technology. It describes the characteristics and specifies the requirements and the corresponding test methods for sodium chloride (see Annex B). It gives information on its use in water treatment.

Keel: en
Alusdokumendid: EN 14805:2022
Asendab dokumenti: EVS-EN 14805:2008

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 13503-3:2022

Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines (ISO 13503-3:2022)

This document covers the physical properties, potential contaminants and test procedures for heavy brine fluids manufactured for use in oil and gas well drilling, completion, and workover fluids. This document supplements API RP 13J, 5th edition (2014), the requirements of which are applicable with the exceptions specified in this document. This document provides more suitable method descriptions for determining the formate brines pH, carbonate/bicarbonate concentrations and crystallization temperature at ambient pressure compared to the methods provided by API RP 13J, 5th edition (2014). This document is intended for the use of manufacturers, service companies and end-users of heavy brines.

Keel: en
Alusdokumendid: ISO 13503-3:2022; EN ISO 13503-3:2022
Asendab dokumenti: EVS-EN ISO 13503-3:2006
Asendab dokumenti: EVS-EN ISO 13503-3:2006/AC:2007

EVS-EN ISO 20765-5:2022

Natural gas - Calculation of thermodynamic properties - Part 5: Calculation of viscosity, Joule-Thomson coefficient, and isentropic exponent (ISO 20765-5:2022)

This document specifies methods to calculate (dynamic) viscosity, Joule-Thomson coefficient, isentropic exponent, and speed of sound, excluding density, for use in the metering of natural gas flow.

Keel: en
Alusdokumendid: ISO 20765-5:2022; EN ISO 20765-5:2022

77 METALLURGIA

EVS-EN 15094:2022

Masinaohutus. Külmvaltspinkide ohutusnõuded
Safety of machinery - Safety requirements for cold flat rolling mills

This document specifies the general safety requirements for cold rolling mills for flat products as defined in 3.1. This document is applicable to: Plant (machinery, equipment, devices according Annex D) used for the manufacturing of metal cold rolled flat products from the material supply from entry (1), via the mill stand(s) (2) with roll changing devices (4), to the material removal (3) (see Figure 1). This document does not cover: — Design and construction of buildings including cellars and their facilities; — Thermo process equipment, e.g. in accordance with EN 746 series; — Strip processing lines according to EN 15061, e.g. pickling line; — Abrasive blasting plants according to EN 1248; — Coil transporting system before coil take-over-point at the entry section and after coil take-over-point at the exit section, e.g. hook conveyors, overhead cranes, fork lift and railway trucks and other vehicles; — Roll shop equipment; — Hook conveyors according to EN 619; — Non-fixed load lifting attachments, e.g. according to EN 13155; — Storage equipment (e.g. high-bay warehouses); — Cranes, fork lifts, trucks and railway trucks and other vehicles; — Process technology (e.g. systems for rolling lubricant, compressed air, treatment of water, cleaning system for exhaust air); — Firefighting system. NOTE 1 Special requirements for protection of persons in case of using asphyxiant gases used in firefighting system is covered by this document, see Annex C.

Keel: en
Alusdokumendid: EN 15094:2022
Asendab dokumenti: EVS-EN 15094:2008

EVS-EN 15112:2022

External cathodic protection of well casings

This document provides information on methods suitable for assessing the likelihood of leakage due to external corrosion of well casings and to evaluate the need for cathodic protection, as well as methods of providing cathodic protection to the external part of these wells in contact with the soil. It also defines requirements for monitoring of performance of CP systems. Onshore and offshore wells are included in the scope. However, for offshore wells where protection is provided by anodes on the wellhead structure, it is recognized that it might not be practical to achieve full protection of well casings. This document applies to any gas, oil or water well with metallic casing, whether cemented or not. However, in special conditions (shallow casings: e.g. 50 m, and homogeneous soil), EN 12954 can be used to achieve the cathodic protection and assess its efficiency. The general requirements of EN 12954 apply; this document details additional, specific, requirements for CP of well casings. This document applies to production and injection wells. References later in this document to production also apply to injection.

Keel: en
Alusdokumendid: EN 15112:2022
Asendab dokumenti: EVS-EN 15112:2006

79 PUIDUTEHNOLOOGIA

EVS-EN 14081-3:2022

Timber structures - Strength graded structural timber with rectangular cross section - Part 3: Machine grading; additional requirements for factory production control

See dokument määrab kindlaks, lisaks standardis EN 14081-1 antule, ettevõtte tootmisohje nõuded saagimisel, hööveldamisel või muul meetodil töödeldud nelinurkse ristlõikega masinsorditud ehituspuidule, mille mõõtmete hälbed sihtmõõtmetest vastavad standardile EN 336.

Keel: en
Alusdokumendid: EN 14081-3:2022
Asendab dokumenti: EVS-EN 14081-3:2012+A1:2018

83 KUMMI- JA PLASTITÖÖSTUS

CEN/TS 14541-2:2022

Plastics pipes and fittings - Utilisation of thermoplastics recyclates - Part 2: Recommendations for relevant characteristics

This document provides guidance and information for drafting product standards to specify characteristics and test methods for the utilization of thermoplastics recyclates (PVC-U, PVC-C, PE, PP, ABS) in pipes, fittings and ancillaries for thermoplastics piping systems. This document covers recyclates with an agreed specification from all sources. NOTE 1 This document does not cover characteristics for reworked material. NOTE 2 This document does not cover recycling processes (e.g. chemical or mechanical). NOTE 3 This document does not define if recycled material can be used in a specific application. The possible use of recyclates will be defined in the applicable product standard. This document provides guidance about the relevant characteristics to be included in the agreed specification for recyclates. This document is applicable without prejudice to any existing legislation. For the recycling process, the transport, the testing and the use of thermoplastics recyclates, National and/or European regulations (e.g. hygienic aspects) can apply. NOTE 4 For example, threshold levels for substances of very high concern (SVHC) as defined in the REACH-legislation which can possibly be present in thermoplastic recyclates.

Keel: en
Alusdokumendid: CEN/TS 14541-2:2022
Asendab dokumenti: CEN/TS 14541:2013

EVS-EN 14541-1:2022

Plastics pipes and fittings - Utilisation of thermoplastics recyclates - Part 1: Vocabulary

This document specifies the general terms and definitions relevant for the utilization of thermoplastics recyclates in thermoplastics pipes, fittings and ancillaries for both pressure and non-pressure piping systems. This document is intended to be used by specification writers in conjunction with CEN/TS 14541-2 when preparing normative documents under the scope of CEN/TC 155.

Keel: en
Alusdokumendid: EN 14541-1:2022
Asendab dokumenti: CEN/TS 14541:2013

EVS-EN ISO 11358-1:2022

Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles (ISO 11358-1:2022)

This document specifies general conditions for the analysis of polymers using thermogravimetric techniques. It is applicable to liquids or solids. Solid materials can be in the form of pellets, granules or powders. Fabricated shapes reduced to appropriate specimen size can also be analysed by this method. This document establishes methods for the investigation of physical effects and chemical reactions that are associated with changes of mass. This document can be used to determine the temperature(s) and rate(s) of decomposition of polymers, and to measure at the same time the amounts of volatile matter, additives and/or fillers they contain. This document is applicable to measurements in dynamic mode (mass change versus temperature or time under programmed temperature conditions) or isothermal mode (mass change versus time at constant temperature). This document is applicable to measurements at different testing atmospheres, such as separation of decomposition in an inert atmosphere from oxidative degradation.

Keel: en
Alusdokumendid: ISO 11358-1:2022; EN ISO 11358-1:2022
Asendab dokumenti: EVS-EN ISO 11358-1:2014

EVS-EN ISO 18064:2022

Thermoplastic elastomers - Nomenclature and abbreviated terms (ISO 18064:2022)

This document establishes a nomenclature system for thermoplastic elastomers based on the chemical composition of the polymer or polymers involved. It specifies symbols and abbreviated terms used to identify thermoplastic elastomers in industry, commerce, and government. It is not intended to conflict with, but to supplement, existing trade names and trademarks. NOTE 1 The name of the thermoplastic elastomer is intended to be used in technical papers and presentations followed by the abbreviated term used to designate the elastomer in this document. NOTE 2 Annex A gives thermoplastic-elastomer abbreviated terms that have been used in the past in materials standards, technical bulletins, textbooks, patents, and trade literature.

Keel: en
Alusdokumendid: ISO 18064:2022; EN ISO 18064:2022
Asendab dokumenti: EVS-EN ISO 18064:2014

91 EHITUSMATERJALID JA EHITUS

EVS-EN 1015-1:2004+A1:2007/AC:2022

Müürimörtide katsemeetodid. Osa 1: Terastikulise koostise määramine (sõelanalüüs)
Methods of test for mortar for masonry - Part 1: Determination of particle size distribution (by sieve analyses)

Standardi EVS-EN 1015-1:2004+A1:2007 parandus

Keel: et
Parandab dokumenti: EVS-EN 1015-1:2004+A1:2007

EVS-EN 14592:2022

Puitkonstruktsioonid. Tüübelkinnitid. Nõuded
Timber structures - Dowel-type fasteners - Requirements

This document specifies the characteristics of the following types of dowel-type fasteners: - nails; - staples; - screws; - dowels; - bolts with nuts. This document covers dowel-type fasteners for structural use in load bearing timber structures only. This document covers also the following additional intended uses of the screws: - to fix roof or cladding elements to the timber structure, with or without insulation layers; and - as reinforcement inserted in timber or in a glue laminated timber element to improve its resistance to compression perpendicular to the grain. This document covers types of dowel-type fasteners, which are manufactured of either carbon steel or stainless steel and which may be coated for the following purposes: - corrosion protection (as Type 1 coating); - lubrication, to facilitate insertion (as Type 2 coating); - withdrawal enhancement and/or collation for nails and staples (adhesive and/or resin coatings) (as Type 3 coating). This document covers types of dowel-type fasteners, which are manufactured from materials and within the specifications for their geometry related properties, only as they are specified for: - nails (see G.1); - staples (see G.2); - screws (see G.3); - dowels (see G.4); and - bolts with nuts (see G.5). This document specifies also the assessment and verification of constancy of performance (AVCP) procedures of these characteristics and includes provisions for marking of dowel-type fasteners. This document does not cover dowel-type fasteners treated with fire retardants to improve their fire performance, nor does it cover glued-in rods.

Keel: en
Alusdokumendid: EN 14592:2022
Asendab dokumenti: EVS-EN 14592:2008+A1:2012

EVS-EN 17468-1:2022

Fibre cement products - Determination of pull through and shear resistance and bending strength calculations - Part 1: Flat sheets

The document establishes an agreed method for evaluation of pull through resistance (tension/compression for fasteners through the sheets), shear resistance, bending strength and bending modulus of elasticity and suggests an approved safety concept of fibre-cement flat sheets for internal and external wall and ceiling finishes based on the experiences obtained over the last number of years in different countries. The results are only applicable to the fibre-cement product and not to the complete fixing assembly. NOTE 1 For design purposes of fibre-cement flat sheets in the final application, the failure modes pull-out and breaking of the fixing or substructure are not in the scope of this standard. They might become decisive and need to be tested or calculated according to the relevant design standards for fixings (e.g. EN 14592) or ETA and substructure (e.g. Eurocode 3 for steel, Eurocode 5 for wood and Eurocode 9 for aluminium substructures) and compared with the results for pull-through and shear resistance. The results are also applicable for: — Coated or uncoated sheets manufactured at the same production facility as the tested sheets provided that the sheets are of the same type, have at least the same declared class according to EN 12467:2012+A2:2018, Table 6 and at least the same nominal thickness. — The test method can be applied to textured or non-textured fibre-cement flat sheets. The results of non-textured sheets are only applicable for textured sheets if the nominal minimum thickness of the textured sheet is at least the nominal thickness of the non-textured sheet. — The same type of fixing head or washer assembly where applicable if the diameter of the fixing head or washer is 0 mm to 2 mm larger than in the test. — The Shore A hardness of the sealing washer, where applicable, is ± 5 that of the washer used in the test, given that the washer thickness is at least as thick, the washer material at least as strong and the shape (dome or flat) of the washer equal to what has been tested. NOTE 2 A) For pull-through resistance, if the diameter of the drilled hole through the fibre-cement sheet is 0 mm to 2 mm smaller or equal than in the test up to the diameter of the shank of the fastener, providing, during the test there is the

required clearance hole around the shank of the fastener. B) For shear resistance, if the diameter of the drilled hole is equal to what has been tested. It applies only to products as delivered.

Keel: en
Alusdokumendid: EN 17468-1:2022

EVS-EN ISO 10545-18:2022

Ceramic tiles - Part 18: Determination of Light Reflectance Value (LRV) (ISO 10545-18:2022)

The objective of this document is to define a test method to determine the light reflectance value (LRV) of ceramic tiles, including mosaic tiles. It is applicable to solid-coloured, multicoloured and non-uniform shade tile surfaces including tile with flame effects, speckled or textured with different types of finishing.

Keel: en
Alusdokumendid: ISO 10545-18:2022; EN ISO 10545-18:2022

EVS-EN ISO 29463-5:2022

High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements (ISO 29463-5:2022)

This document specifies the test methods for determining the efficiency of filters at their most penetrating particle size (MPPS). It also gives guidelines for the testing and classification for filters with an MPPS of less than 0,1 µm (Annex B) and filters using media with (charged) synthetic fibres (Annex C). It is intended for use in conjunction with ISO 29463-1, ISO 29463-2, ISO 29463-3 and ISO 29463-4.

Keel: en
Alusdokumendid: ISO 29463-5:2022; EN ISO 29463-5:2022
Asendab dokumenti: EVS-EN ISO 29463-5:2018

93 RAJATISED

EVS-EN 476:2022

General requirements for components used in drains and sewers

This document specifies general requirements to be respected in product standards for components such as pipes, fittings, inspection chambers and manholes with their respective joints intended for use in drains and sewers inside and outside buildings which operate as gravity systems allowing for a maximum pressure of 40 kPa. It also specifies general requirements for components used in hydraulically and pneumatically pressurized pipes, drains and sewers. NOTE 1 Where the term “inside buildings” is used in the context of components fixed inside buildings, it also includes pipes and fittings fixed on external surfaces of buildings. NOTE 2 This document is not a product standard and therefore not intended for the direct evaluation of products. This document covers components to be used in conveying in a satisfactory manner: — domestic wastewater; — rainwater and surface water; — other wastewater acceptable for discharge into the system. This document is applicable to components of circular and other cross sections. This document is equally applicable to components which are factory-made and to those constructed on site, where applicable. NOTE 3 This document does not apply to components used for trenchless construction according to EN 14457 and for components used for renovation of drains and sewers according to EN 13380. This document does not supersede the functional requirements of a complete system as defined in EN 752.

Keel: en
Alusdokumendid: EN 476:2022
Asendab dokumenti: EVS-EN 476:2011

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 16411:2022

Child care articles - Compiled interpretations of CEN/TC 252 standards

The purpose of this CEN Technical Report is to provide replies to requests for interpretations and clarifications of: — EN 1273:2005, Child use and care articles — Baby walking frames — Safety requirements and test methods; — EN 1888:2012, Child care articles — Wheeled child conveyances — Safety requirements and test methods; — EN 1888-1:2018, Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams; — EN 1930:2011, Child use and care articles — Safety barriers — Safety requirements and test methods; — EN 12586:2007, Child use and care articles — Soother holder — Safety requirements and test methods; — EN 12790:2009, Child use and care articles — Reclined cradles; — EN 12221 1:2008, Changing units for domestic use — Part 1: Safety requirements; — EN 12221 2:2008, Changing units for domestic use — Part 2: Test methods; — EN 1466:2004+A1:2007, Child care articles — Carry cots and stands — Safety requirements and test methods; — EN 14350 2:2004, Child use and care articles — Drinking equipment — Part 2: Chemical requirements and tests; — EN 1400:2013+A1:2014, Child use and care articles — Soothers for babies and young children; — EN 14372:2004, Child use and care articles — Cutlery and feeding utensils — Safety requirements and tests; — EN 16120:2012, Child use and care articles — Chair mounted seat; — EN 16120:2012+A2:2016, Child use and care articles — Chair mounted seat; — EN 14350-1:2004, Child use and care articles — Drinking equipment - Part 1: General and mechanical requirements and tests; — EN 16232:2013, Child use and care articles — Infant swings. — EN 17022:2018, Child care articles - Bathing aids - Safety requirements and test methods; — EN 17072:2018, Child care articles - Bath tubs, stands and non-standalone bathing aids - Safety requirements and test methods; — EN 12586:2007+A1:2011, Child care articles - Soother holder – Safety requirements and test methods; — EN 14350:2020, Child care articles – Drinking equipment - Safety requirements and test methods; — EN 13209-1:2004, Child use and care articles - Baby carriers - Safety requirements and test methods - Part 1: Framed back carriers; — EN 13209-1:2021, Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier.

Keel: en
Alusdokumendid: CEN/TR 16411:2022
Asendab dokumenti: CEN/TR 16411:2019

EVS-EN 13209-1:2022

Lapsehooldustooted. Väikelaste kandmisvahendid. Ohutusnõuded ja katsemeetodid. Osa 1: Raamtoestusega kandevahendid
Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

This document specifies the safety requirements and test methods for child back carriers with framed support to carry a child in a seated position. Framed back carriers are intended for children from 6 months of age up to a maximum weight of 18 kg and are designed to carry the child on the carer’s back and be attached to a carer’s torso allowing a hands-free operation, e.g. standing, walking. NOTE The rationales for the inclusion of some of the requirements given in this document are given in Annex B. This document does not cover framed back carriers designed for children with special needs. If the framed back carrier has other functions not covered in this document, reference should be made to the relevant European Standard.

Keel: en
Alusdokumendid: EN 13209-1:2022
Asendab dokumenti: EVS-EN 13209-1:2021

EVS-EN 71-13:2021+A1:2022

Mänguasjade ohutus. Osa 13: Lõhnavad lauamängud, kosmeetikakomplektid ja maitsmismängud
Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games

This document applies to olfactory board games, cosmetic kits, gustative games and supplementary sets. It specifies requirements on the use of substances and mixtures and in some cases on their amount and concentration in olfactory board games, cosmetic kits, gustative games and supplementary sets to such games or kits. These substances and mixtures are: - those classified as hazardous by the EC-legislation applying to hazardous substances [13] and hazardous mixtures [13]; - substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as hazardous by the above-mentioned legislation; and - any other chemical substance(s) and mixture(s) delivered with the set. Furthermore, this document specifies allergenic fragrances which are prohibited in toys, marking requirements, in particular regarding allergenic fragrances, and requirements on a contents list, instructions for use, the equipment intended to be used during the activity and the use of highly flammable liquids. This document does not apply to cosmetic toys such as play cosmetics for dolls. NOTE The terms "substance" and "mixture" are defined in the REACH regulation (EC) No. 1907/2006 [14] and in the CLP regulation (EC) No. 1272/2008 [13].

Keel: en
Alusdokumendid: EN 71-13:2021+A1:2022
Asendab dokumenti: EVS-EN 71-13:2021

EVS-EN ISO 4531:2022

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2022)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. This document is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en
Alusdokumendid: ISO 4531:2022; EN ISO 4531:2022
Asendab dokumenti: EVS-EN ISO 4531:2018

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 18064:2014
Thermoplastic elastomers - Nomenclature and abbreviated terms

Keel: en
Alusdokumendid: EN ISO 18064:2014; ISO 18064:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 18064:2022
Standardi staatus: Kehtetu

EVS-EN ISO 9488:2000
Solar energy - Vocabulary

Keel: en
Alusdokumendid: ISO 9488:1999; EN ISO 9488:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9488:2022
Standardi staatus: Kehtetu

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

EVS-EN ISO 12855:2015
Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2015)

Keel: en
Alusdokumendid: EN ISO 12855:2015; ISO 12855:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 12855:2022
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 61675-1:2014
Radioloogilised pildiseadmed. Omadused ja katsetingimused. Osa 1: Positronide emisssiooniga tomograafid
Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs

Keel: en
Alusdokumendid: IEC 61675-1:2013; EN 61675-1:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61675-1:2022
Standardi staatus: Kehtetu

EVS-EN 62127-1:2007/A1:2013
Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz (IEC 62127-1:2007/A1:2013)

Keel: en
Alusdokumendid: IEC 62127-1:2007/A1:2013; EN 62127-1:2007/A1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62127-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 11608-1:2015
Nõelinfusiooni süsteemid meditsiiniliseks kasutamiseks. Nõuded ja katsemeetodid. Osa 1: Nõelinfusiooni süsteemid
Needle-based injection systems for medical use - Requirements and test methods - Part 1: Needle-based injection systems (ISO 11608-1:2014)

Keel: en
Alusdokumendid: ISO 11608-1:2014; EN ISO 11608-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 11608-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 11608-2:2012

Needle-based injection systems for medical use - Requirements and test methods - Part 2: Needles (ISO 11608-2:2012)

Keel: en
Alusdokumendid: ISO 11608-2:2012; EN ISO 11608-2:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 11608-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 11608-3:2012

Needle-based injection systems for medical use - Requirements and test methods - Part 3: Finished containers (ISO 11608-3:2012)

Keel: en
Alusdokumendid: ISO 11608-3:2012; EN ISO 11608-3:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 11608-3:2022
Standardi staatus: Kehtetu

EVS-EN ISO 11608-4:2007

Pen-injectors for medical use - Part 4: Requirements and test methods for electronic and electromechanical pen-injectors

Keel: en
Alusdokumendid: ISO 11608-4:2006; EN ISO 11608-4:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 11608-4:2022
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 166:2003

Isiklikud silmakaitsevahendid. Spetsifikatsioonid
Personal eye-protection - Specifications

Keel: en, et
Alusdokumendid: EN 166:2001
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-3:2022
Standardi staatus: Kehtetu

EVS-EN 169:2002

Isiklikud silmakaitsevahendid. Filtrid keevitamisele ja sellega seotud meetoditele. Läbilaskvuse nõuded ja soovitatav kasutus
Personal eye-protection - Filters for welding and related techniques - Transmittance requirements and recommended use

Keel: en
Alusdokumendid: EN 169:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN 170:2002

Isiklikud silmakaitsevahendid. Ultraviolettfiltrid . Läbilaskvuse nõuded ja soovitatav kasutus
Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use

Keel: en
Alusdokumendid: EN 170:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN 171:2002

Isiklikud silmakaitsevahendid. Infrapunakiirguse filtrid. Nõuded läbilaskvustegurile ja soovitatav kasutamine
Personal eye-protection - Infrared filters - Transmittance requirements and recommended use

Keel: en
Alusdokumendid: EN 171:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN 172:1999

Isiklikud silmakaitsevahendid. Pimestava valguse filtrid tööstusliku kasutamise jaoks
Personal eye protection - Sunglare filters for industrial use

Keel: en
Alusdokumendid: EN 172:1994
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Muudetud järgmise dokumendiga: EVS-EN 172:1999/A1:2000
Muudetud järgmise dokumendiga: EVS-EN 172:1999/A2:2002
Standardi staatus: Kehtetu

EVS-EN 172:1999/A1:2000

Isiklikud silmakaitsevahendid. Pimestava valguse filtrid tööstusliku kasutamise jaoks
Personal eye protection - Sunglare filters for industrial use

Keel: en
Alusdokumendid: EN 172:1994/A1:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN 172:1999/A2:2002

Isiklikud silmakaitsevahendid. Pimestava valguse filtrid tööstusliku kasutamise jaoks. MUUDATUS 2
Personal eye-protection - Sunglare filters for industrial use - AMENDMENT 2

Keel: en
Alusdokumendid: EN 172:1994/A2:2001
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN 1731:2006

Isiklikud silmakaitsevahendid. Võrest silma- ja näokaitsevahendid
Personal eye protection - Mesh eye and face protectors

Keel: en
Alusdokumendid: EN 1731:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-3:2022
Standardi staatus: Kehtetu

EVS-EN 379:2003+A1:2009

Isiklikud silmakaitsevahendid. Automaatsed keevitusfiltrid KONSOLIDEERITUD TEKST
Personal eye-protection - Automatic welding filters CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 379:2003+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 16321-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 12863:2010

Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes

Keel: en, et
Alusdokumendid: ISO 12863:2010+AC:2011; EN ISO 12863:2010; EN ISO 12863:2010/AC:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Muudetud järgmise dokumendiga: EVS-EN ISO 12863:2010/A1:2016
Parandatud järgmise dokumendiga: EVS-EN ISO 12863:2010/AC:2011
Standardi staatus: Kehtetu

EVS-EN ISO 12863:2010/A1:2016

Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Amd 1:2016)

Keel: en
Alusdokumendid: ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Standardi staatus: Kehtetu

EVS-EN ISO 12863:2010/AC:2011

Standardne katsemeetod sigarettide süttivuse hindamiseks (ISO 12863:2010/Corr 1:2011)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Corr 1:2011)

Keel: en
Alusdokumendid: ISO 12863:2010/Corr 1:2011; EN ISO 12863:2010/AC:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 62127-1:2007

Ultrasonics - Hydrophones -- Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz

Keel: en
Alusdokumendid: IEC 62127-1:2007; EN 62127-1:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 62127-1:2022
Muudetud järgmise dokumendiga: EVS-EN 62127-1:2007/A1:2013
Standardi staatus: Kehtetu

EVS-EN ISO 8655-2:2003

Piston-operated volumetric apparatus - Part 2: Piston pipettes

Keel: en
Alusdokumendid: ISO 8655-2:2002; EN ISO 8655-2:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-2:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 8655-2:2003/AC:2009
Standardi staatus: Kehtetu

EVS-EN ISO 8655-2:2003/AC:2009

Piston-operated volumetric apparatus - Part 2: Piston pipettes

Keel: en
Alusdokumendid: ISO 8655-2:2002/Cor 1:2008; EN ISO 8655-2:2002/AC:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 8655-6:2003

Piston-operated volumetric apparatus - Part 6: Gravimetric methods for the determination of measurement error

Keel: en
Alusdokumendid: ISO 8655-6:2002; EN ISO 8655-6:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-6:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 8655-6:2003/AC:2009
Standardi staatus: Kehtetu

EVS-EN ISO 8655-6:2003/AC:2009

Piston-operated volumetric apparatus - Part 6: Gravimetric methods for the determination of measurement error

Keel: en
Alusdokumendid: ISO 8655-6:2002/Cor.1:2008; EN ISO 8655-6:2002/AC:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-6:2022
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 61010-2-012:2016

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment

Keel: en
Alusdokumendid: IEC 61010-2-012:2016; EN 61010-2-012:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-012:2022
Standardi staatus: Kehtetu

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 14592:2008+A1:2012
Puittarindid. Tüübelkinnitusdetailid. Nõuded
Timber structures - Dowel-type fasteners - Requirements

Keel: en
Alusdokumendid: EN 14592:2008+A1:2012
Asendatud järgmise dokumendiga: EVS-EN 14592:2022
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 14541:2013
Plastics pipes and fittings - Characteristics for utilisation of nonvirgin PVC-U, PP and PE materials

Keel: en
Alusdokumendid: CEN/TS 14541:2013
Asendatud järgmise dokumendiga: CEN/TS 14541-2:2022
Asendatud järgmise dokumendiga: EVS-EN 14541-1:2022
Standardi staatus: Kehtetu

EVS-EN 15112:2006
External cathodic protection of well casings

Keel: en
Alusdokumendid: EN 15112:2006
Asendatud järgmise dokumendiga: EVS-EN 15112:2022
Standardi staatus: Kehtetu

EVS-EN 15632-4:2009
District heating pipes - Pre-insulated flexible pipe systems - Part4: Bonded system with metal service pipes; requirements andtest methods

Keel: en
Alusdokumendid: EN 15632-4:2009
Asendatud järgmise dokumendiga: EVS-EN 15632-4:2022
Standardi staatus: Kehtetu

EVS-EN ISO 22434:2011
Transportable gas cylinders - Inspection and maintenance of cylinder valves (ISO 22434:2006)

Keel: en
Alusdokumendid: ISO 22434:2006; EN ISO 22434:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 22434:2022
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN ISO 4531:2018
Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2018)

Keel: en
Alusdokumendid: ISO 4531:2018; EN ISO 4531:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 4531:2022
Standardi staatus: Kehtetu

EVS-EN ISO 9016:2012
Metalsete materjalide keevisliidete purustav katsetamine. Löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine
Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination (ISO 9016:2012)

Keel: en, et
Alusdokumendid: ISO 9016:2012; EN ISO 9016:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 9016:2022
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN ISO 9488:2000
Solar energy - Vocabulary

Keel: en
Alusdokumendid: ISO 9488:1999; EN ISO 9488:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9488:2022
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60320-2-2:2001
Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 2: Seadmetevahelised pistikühendused majapidamis- ja muudele taolistele seadmetele Appliance couplers for household and similar general purposes - Part 2: Interconnection couplers for household and similar equipment

Keel: en
Alusdokumendid: IEC 60320-2-2:1998; EN 60320-2-2:1998
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 50411-3-6:2013
Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 3-6: Multimode mechanical fibre splice for use in an outdoor protected environment (Cat U)

Keel: en
Alusdokumendid: EN 50411-3-6:2013
Asendatud järgmise dokumendiga: EVS-EN 50411-3-6:2022
Standardi staatus: Kehtetu

EVS-EN 50411-6-1:2011
Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 6-1: Unprotected microduct for category S and A

Keel: en
Alusdokumendid: EN 50411-6-1:2011
Asendatud järgmise dokumendiga: EVS-EN 50411-6-1:2022
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN ISO 12855:2015
Electronic fee collection - Information exchange between service provision and toll charging (ISO 12855:2015)

Keel: en
Alusdokumendid: EN ISO 12855:2015; ISO 12855:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 12855:2022
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2535:2011
Aerospace series - Vacuum deposition of cadmium

Keel: en
Alusdokumendid: EN 2535:2011
Asendatud järgmise dokumendiga: EVS-EN 2535:2022
Standardi staatus: Kehtetu

EVS-EN 3155-075:2009

Aerospace series - Electrical contacts used in elements ofconnection - Part 075: Contacts, electrical, quadrax, size 8,female, type E, crimp, class R - Product standard

Keel: en
Alusdokumendid: EN 3155-075:2009
Asendatud järgmise dokumendiga: EVS-EN 3155-075:2022
Standardi staatus: Kehtetu

EVS-EN 3660-062:2016

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 - Product standard

Keel: en
Alusdokumendid: EN 3660-062:2016
Asendatud järgmise dokumendiga: EVS-EN 3660-062:2022
Standardi staatus: Kehtetu

EVS-EN 3660-063:2015

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 - Product standard

Keel: en
Alusdokumendid: EN 3660-063:2015
Asendatud järgmise dokumendiga: EVS-EN 3660-063:2022
Standardi staatus: Kehtetu

EVS-EN 3660-064:2016

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 2997 - Product standard

Keel: en
Alusdokumendid: EN 3660-064:2016
Asendatud järgmise dokumendiga: EVS-EN 3660-064:2022
Standardi staatus: Kehtetu

EVS-EN 3660-065:2016

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 065 : Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self locking - Product standard

Keel: en
Alusdokumendid: EN 3660-065:2016
Asendatud järgmise dokumendiga: EVS-EN 3660-065:2022
Standardi staatus: Kehtetu

EVS-EN 3745-412:2005

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 412: Humidity resistance

Keel: en
Alusdokumendid: EN 3745-412:2005
Asendatud järgmise dokumendiga: EVS-EN 3745-412:2022
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 5402-1:2017

Leather - Determination of flex resistance - Part 1: Flexometer method (ISO 5402-1:2017)

Keel: en
Alusdokumendid: ISO 5402-1:2017; EN ISO 5402-1:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 5402-1:2022
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN ISO 12863:2010
Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes

Keel: en, et
Alusdokumendid: ISO 12863:2010+AC:2011; EN ISO 12863:2010; EN ISO 12863:2010/AC:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Muudetud järgmise dokumendiga: EVS-EN ISO 12863:2010/A1:2016
Parandatud järgmise dokumendiga: EVS-EN ISO 12863:2010/AC:2011
Standardi staatus: Kehtetu

EVS-EN ISO 12863:2010/A1:2016
Standardne katsemeetod sigarettide süütamisvõime hindamiseks
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Amd 1:2016)

Keel: en
Alusdokumendid: ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Standardi staatus: Kehtetu

EVS-EN ISO 12863:2010/AC:2011
Standardne katsemeetod sigarettide süttivuse hindamiseks (ISO 12863:2010/Corr 1:2011)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Corr 1:2011)

Keel: en
Alusdokumendid: ISO 12863:2010/Corr 1:2011; EN ISO 12863:2010/AC:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 12863:2022
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 4531:2018
Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2018)

Keel: en
Alusdokumendid: ISO 4531:2018; EN ISO 4531:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 4531:2022
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 12124:2012
Chemicals used for treatment of water intended for human consumption - Sodium sulfite

Keel: en
Alusdokumendid: EN 12124:2012
Asendatud järgmise dokumendiga: EVS-EN 12124:2022
Standardi staatus: Kehtetu

EVS-EN 12126:2012
Chemicals used for treatment of water intended for human consumption - Liquefied ammonia

Keel: en
Alusdokumendid: EN 12126:2012
Asendatud järgmise dokumendiga: EVS-EN 12126:2022
Standardi staatus: Kehtetu

EVS-EN 14805:2008
Chemicals used for treatment of water intended for human consumption - Sodium chloride for on site electrochlorination using non-membrane technology

Keel: en
Alusdokumendid: EN 14805:2008
Asendatud järgmise dokumendiga: EVS-EN 14805:2022
Standardi staatus: Kehtetu

EVS-EN ISO 8655-2:2003
Piston-operated volumetric apparatus - Part 2: Piston pipettes

Keel: en
Alusdokumendid: ISO 8655-2:2002; EN ISO 8655-2:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-2:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 8655-2:2003/AC:2009
Standardi staatus: Kehtetu

EVS-EN ISO 8655-6:2003
Piston-operated volumetric apparatus - Part 6: Gravimetric methods for the determination of measurement error

Keel: en
Alusdokumendid: ISO 8655-6:2002; EN ISO 8655-6:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 8655-6:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 8655-6:2003/AC:2009
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 13503-3:2006
Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines

Keel: en
Alusdokumendid: ISO 13503-3:2005; EN ISO 13503-3:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 13503-3:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 13503-3:2006/AC:2007
Standardi staatus: Kehtetu

EVS-EN ISO 13503-3:2006/AC:2007
Petroleum and natural gas industries - Completion fluids and materials - Part 3: Testing of heavy brines

Keel: en
Alusdokumendid: ISO 13503-3:2005/Cor 1:2006; EN ISO 13503-3:2005/AC:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 13503-3:2022
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 15094:2008
Masinate ohutus. Külmvaltsimisseadmete ohutus
Safety of Machinery - Safety requirements for cold flat rolling mills

Keel: en
Alusdokumendid: EN 15094:2008
Asendatud järgmise dokumendiga: EVS-EN 15094:2022
Standardi staatus: Kehtetu

EVS-EN 15112:2006
External cathodic protection of well casings

Keel: en
Alusdokumendid: EN 15112:2006
Asendatud järgmise dokumendiga: EVS-EN 15112:2022
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

EVS-EN 14081-3:2012+A1:2018
Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 3: Masinsortimine. Täiendavad nõuded tootmisohjele ettevõttes
Timber structures - Strength graded structural timber with rectangular cross section - Part 3: Machine grading; additional requirements for factory production control

Keel: en, et
Alusdokumendid: EN 14081-3:2012+A1:2018
Asendatud järgmise dokumendiga: EVS-EN 14081-3:2022
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 11358-1:2014
Plastid. Polümeeride termogravimeetriline analüüs (TG). Osa 1: Üldpõhimõtted (ISO 11358-1:2014)
Plastics - Thermogravimetry (TG) of polymers - Part 1: General principles (ISO 11358-1:2014)

Keel: en
Alusdokumendid: ISO 11358-1:2014; EN ISO 11358-1:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 11358-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 18064:2014
Thermoplastic elastomers - Nomenclature and abbreviated terms

Keel: en
Alusdokumendid: EN ISO 18064:2014; ISO 18064:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 18064:2022
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 14592:2008+A1:2012
Puittarindid. Tüübelkinnitusdetailid. Nõuded
Timber structures - Dowel-type fasteners - Requirements

Keel: en
Alusdokumendid: EN 14592:2008+A1:2012
Asendatud järgmise dokumendiga: EVS-EN 14592:2022
Standardi staatus: Kehtetu

EVS-EN ISO 29463-5:2018
High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements (ISO 29463-5:2011)

Keel: en
Alusdokumendid: ISO 29463-5:2011; EN ISO 29463-5:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 29463-5:2022
Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 476:2011
General requirements for components used in drains and sewers

Keel: en
Alusdokumendid: EN 476:2011
Asendatud järgmise dokumendiga: EVS-EN 476:2022
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 16411:2019
Child care articles - Compiled interpretations of CEN/TC 252 standards

Keel: en
Alusdokumendid: CEN/TR 16411:2019
Asendatud järgmise dokumendiga: CEN/TR 16411:2022
Standardi staatus: Kehtetu

EVS-EN 13209-1:2021
Lastele kasutamiseks ja laste hooldamiseks mõeldud tooted. Väikelaste kandmisvahendid. Ohutusnõuded ja katsemeetodid. Osa 1: Raamtoestusega kandevahendid
Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

Keel: en
Alusdokumendid: EN 13209-1:2021
Asendatud järgmise dokumendiga: EVS-EN 13209-1:2022
Standardi staatus: Kehtetu

EVS-EN 71-13:2021

Mänguasjade ohutus. Osa 13: Lõhnavad lauamängud, kosmeetikakomplektid ja maitsmismängud
Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games

Keel: en
Alusdokumendid: EN 71-13:2021
Asendatud järgmise dokumendiga: EVS-EN 71-13:2021+A1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4531:2018

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO 4531:2018)

Keel: en
Alusdokumendid: ISO 4531:2018; EN ISO 4531:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 4531:2022
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.

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

prEN 14534

Postal services - Quality of service - Measurement of the transit time of end-to-end services for bulk mail

This European Standard specifies methods for measuring the end-to-end transit-time of domestic and cross-border bulk mail, collected, processed and delivered by postal service operators. It considers methods using representative end-to-end samples for all types of bulk-mail services with defined transit-time service-levels as offered to the postal customer. It specifies a set of minimum requirements for the design of a quality-of-service measurement system for bulk mail, involving the selection and distribution of test mail sent by business senders and received by selected panellists. This European Standard is applicable to the measurement of end-to-end priority and non-priority bulk-mail services. For the purpose of this standard, bulk mail services can include all types of addressed bulk mail including, but not limited to letter mail, direct mail, magazines and newspapers and encombrant-format mailings. This European Standard relates to the measurement of bulk-mail services offered to businesses that have pick-ups at their offices or give their mail to postal service operators. If a third party agent acts for the postal operator, then the time the mail is handed over to the agent will form part of the measurement. Where a third party agent acts for the sending customer, the measurement will be from the point when mail is handed over to the postal operator. This European Standard is of modular structure. It is designed to assess the service performance of postal operators for bulk mail services on the level of a single bulk mailing as defined by the postal customer or any aggregations thereof, including the performance of an individual customer / operator or the performance of a group of customers / operators or the performance at national level. The standardized QoS measurement-method provides a uniform way for measuring the end-to-end transit time of postal items. Using a standardized measurement-method will ensure that the measurement will be done in an objective and equal way for all operators in accordance with the requirements of the Directive 97/67/EC and its amendments. The end-to-end service measured may be provided by one operator or by a group of operators working either together in the same distribution chain or parallel in different distribution chains. The method for end-to-end measurement specified in this European Standard is not designed to provide results for the measurement of parts of the distribution chain. This standard does not include other service performance indicators than those related to end-to-end transit time. In particular, this standard does not measure whether the timings of collections meet customers' requirements. The transit-time quality-of-service result will be expressed as percentage of mail delivered by, on or between expected dates. These dates can be defined absolute as calendar-days or relative to the date of induction. The transit time calculation rule will be in whole days. This quality of service indicator does not measure the postal operator's overall performance in a way, which provides direct comparison of postal service operators. This European Standard nevertheless provides minimum requirements for the comparability of end-to-end transit-time measurement results of specific bulk mailings. This European Standard is not applicable for the measurement of end-to-end transit-times of single-piece mail services and hybrid mail, which require different measurement systems and methodologies (see, for example, EN 13850, Postal Services - Quality of Services - Measurement of the transit time of end-to-end services for single piece priority mail and first class mail. (...)

Keel: en
Alusdokumendid: prEN 14534
Asendab dokumenti: EVS-EN 14534:2016
Asendab dokumenti: EVS-EN 14534:2016/AC:2017

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 63376:2022

INDUSTRIAL FACILITY ENERGY MANAGEMENT SYSTEM (FEMS) - Functions and Information Flows

This document specifies the functions and the information flows of industrial Facility Energy Management System (FEMS). Generic functions are defined for the FEMS, to enable upgrading traditional Energy Management System (EMS) from visualization of the status of energy consumption to automation of energy management defining a closer relation with other management and control systems. A generic method to classify the FEMS functions will be explained. The information exchange between the FEMS and other systems such as Manufacturing Operations Management (MOM), Manufacturing Execution System (MES) and Enterprise Resource Planning (ERP) will be outlined.

Keel: en
Alusdokumendid: 65/924/CDV; prEN IEC 63376:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 12813

Electronic fee collection — Compliance check communication for autonomous systems (ISO/DIS 12813:2022)

This document defines requirements for short-range communication for the purposes of compliance checking in autonomous electronic fee collecting systems. Compliance checking communication (CCC) takes place between a road vehicle's on-board equipment (OBE) and an interrogator (roadside mounted equipment, mobile device or hand-held unit), and serves to establish whether the data that are delivered by the OBE correctly reflect the road usage of the corresponding vehicle according to the rules of the pertinent toll regime. The operator of the compliance checking interrogator is assumed to be part of the toll charging role as defined in ISO 17573-1. The CCC permits identification of the OBE, vehicle and contract, and verification of whether the driver has fulfilled his obligations and the checking status and performance of the OBE. The CCC reads, but does not write, OBE data. This document is applicable to OBE in an autonomous mode of operation; it is not applicable to compliance checking in dedicated short-range communication (DSRC)-based charging systems. It defines data syntax and semantics, but not a communication sequence. All the attributes defined herein are required in any OBE claimed to be compliant with this document, even if some values are set to "not defined" in cases where certain functionality is not present in an OBE. The interrogator is free to choose which attributes are read in the data retrieval phase, as well as the sequence in which they are read. In order to achieve compatibility with existing systems, the communication makes use of the attributes defined in ISO 14906 wherever useful. The CCC is suitable for a range of short-range communication media. Specific definitions are given for the CEN-DSRC as specified in EN 15509, as well as for the use of ISO CALM IR, the Italian DSRC as specified in ETSI ES 200 674-1, ARIB DSRC and WAVE DSRC as alternatives to the CEN-DSRC. The attributes and functions defined are for compliance checking by means of the DSRC communication services provided by DSRC application layer, with the CCC attributes and functions made available to the CCC applications at the roadside equipment (RSE) and OBE. The attributes and functions are defined on the level of application data units (ADU). The definition of the CCC includes: — the application interface between OBE and RSE (as depicted in Figure 2); — use of the generic DSRC application layer as specified in ISO 15628 and EN 12834; — CCC data type specifications given in Annex A; — a protocol implementation conformance statement (PICS) proforma is given in Annex B; — use of the CEN-DSRC stack as specified in EN 15509, or other equivalent DSRC stacks as described in Annex C, Annex D, Annex E and Annex F; — security services for mutual authentication of the communication partners and for signing of data (see Annex H); — an example CCC transaction is presented in Annex G; — the informative Annex I highlights how to use this document for the European electronic toll service (as defined in Commission Decision 2009/750/EC). Test specifications are not within the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 12813; prEN ISO 12813
Asendab dokumenti: EVS-EN ISO 12813:2019

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO/IEC 17043

Conformity assessment - General requirements for proficiency testing (ISO/IEC/DIS 17043:2022)

This document specifies general requirements for the competence and impartiality of proficiency testing providers and consistent operation of all proficiency testing schemes. This document can be used as a basis for specific technical requirements for particular fields of application. Users of proficiency testing schemes, regulatory authorities, organizations and schemes using peer-assessment, accreditation bodies, and others can use these requirements in confirming or recognizing the competence of proficiency testing providers.

Keel: en
Alusdokumendid: ISO/IEC DIS 17043; prEN ISO/IEC 17043
Asendab dokumenti: EVS-EN ISO/IEC 17043:2010

Arvamusküsitluse lõppkuupäev: 15.07.2022

11 TERVISEHOOLDUS

prEN ISO 22523

External limb prostheses and external orthoses - Requirements and test methods (ISO/DIS 22523:2022)

This document specifies requirements and test methods for external limb prostheses and external orthoses, including the following classifications from ISO 9999: 06 03 - 06 15 Orthoses 06 18 - 06 27 Limb prostheses It covers strength, materials, restrictions on

use, risk and the provision of information associated with the normal conditions of use of both components and assemblies of components. This document is also applicable as a guide in the design and test of custom build orthosis and prosthesis. NOTE The application of Quality Systems as described or referred to in ISO 13485 and ISO 13488 can be appropriate.

Keel: en
Alusdokumendid: ISO/DIS 22523; prEN ISO 22523
Asendab dokumenti: EVS-EN ISO 22523:2006

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 80601-2-72

Medical electrical equipment - Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO/DIS 80601-2-72:2022)

ISO 80601-2-72:2015 applies to the basic safety and essential performance of a ventilator in combination with its accessories, hereafter referred to as me equipment: intended for use in the home healthcare environment; intended for use by a lay operator; intended for use with patients who are dependent on mechanical ventilation for their life support. ISO 80601-2-72:2015 is also applicable to those accessories intended by their manufacturer to be connected to a ventilator breathing system or to a ventilator where the characteristics of those accessories can affect the basic safety or essential performance of the ventilator. ISO 80601-2-72:2015 is a particular International Standard in the IEC 60601-1 and ISO/IEC 80601 series of standards.

Keel: en
Alusdokumendid: ISO/DIS 80601-2-72; prEN ISO 80601-2-72
Asendab dokumenti: EVS-EN ISO 80601-2-72:2015

Arvamusküsitluse lõppkuupäev: 15.07.2022

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN ISO 683-17

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO/DIS 683-17:2022)

ISO 683-17:2014 specifies the technical delivery requirements for five groups of wrought ball and roller bearing steels: through-hardening bearing steels (steels with about 1 % C and 1 % to 2 % Cr), case-hardening bearing steels, induction-hardening bearing steels (unalloyed and alloyed), stainless bearing steels, and high-temperature bearing steels.

Keel: en
Alusdokumendid: ISO/DIS 683-17; prEN ISO 683-17
Asendab dokumenti: EVS-EN ISO 683-17:2014

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 8675

Fasteners - Hexagon thin nuts (style 0), with fine pitch thread (ISO/DIS 8675:2022)

This document specifies the characteristics of hexagon thin nuts (style 0), in steel and stainless steel, with metric fine pitch thread 8 mm to 64 mm, and with product grades A and B. Thin nuts used as jam nuts are to be assembled together with a regular or high nut. WARNING — Thin nuts (style 0) have a reduced loadability compared to regular nuts or high nuts, and are not designed to provide resistance to thread stripping (see ISO 898-2). If in certain cases other specifications are requested, stainless steel grades and property classes can be selected from ISO 3506-2.

Keel: en
Alusdokumendid: ISO/DIS 8675; prEN ISO 8675
Asendab dokumenti: EVS-EN ISO 8675:2012

Arvamusküsitluse lõppkuupäev: 15.07.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN ISO 10298:2020/prA1

Gas cylinders - Gases and gas mixtures - Determination of toxicity for the selection of cylinder valve outlets - Amendment 1 (ISO 10298:2018/Amd 1:2021)

This document lists the best available acute-toxicity data of gases taken from a search of the current literature to allow the classification of gases and gas mixtures for toxicity by inhalation. Scope of amendment Changes to formula in clause 4.3

Keel: en
Alusdokumendid: ISO 10298:2018/Amd 1:2021; EN ISO 10298:2020/prA1
Muudab dokumenti: EVS-EN ISO 10298:2020

Arvamusküsitluse lõppkuupäev: 15.07.2022

25 TOOTMISTEHNOLOOGIA

FprEN IEC 60974-1:2021/prAA
Arc welding equipment - Part 1: Welding power sources

Common Mod in order to cover EU Ecodesign requirements on IEC 60974-1 It is applicable to power sources for arc welding and allied processes designed for INDUSTRIAL AND PROFESSIONAL USE, and supplied by a voltage not exceeding 1 000 V, BATTERY supplied or driven by mechanical means. This document specifies safety and performance requirements of WELDING POWER SOURCES and PLASMA CUTTING SYSTEMS. This document is not applicable to limited duty arc welding and cutting power sources which are designed mainly for use by laymen and designed in accordance with IEC 60974-6. This document includes requirements for battery-powered WELDING POWER SOURCES and BATTERY packs, which are given in Annex O. This document is not applicable to testing of power sources during periodic maintenance or after repair. NOTE 1 Typical allied processes are electric arc cutting and arc spraying. NOTE 2 AC systems having a nominal voltage between 100 V and 1 000 V are given in Table 1 of IEC 60038:2009. NOTE 3 This document does not include electromagnetic compatibility (EMC) requirements.

Keel: en
Alusdokumendid: FprEN IEC 60974-1:2021/prAA
Muudab dokumenti: prEN IEC 60974-1:2020

Arvamusküsitluse lõppkuupäev: 15.07.2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN IEC 61076-8-107:2022
Connectors for electrical and electronic equipment - Product requirements - Part 8-107: Power connectors - Detail specification for 2P 200 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

This part of IEC 61076-8 describes free and fixed rectangular connectors with: − 2P power plus 2P signal contacts; − plastic housing with locking lever and four possible codings; − 200 A rated current, 1 000 V DC rated voltage on the power section; − 5 A rated current, 50 V DC rated voltage on the signal section; − individual shielding around each power contact with relevant shielding termination; − IP65/IP68 degree of protection when mated and locked and IPXXB on both plug and receptacle parts when unmated. hereinafter referred to as a connector, for use in electrical and electronic equipment, including overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods. Connectors according to this document are intended for use in class II equipment. Hence, they are not equipped with PE contact.

Keel: en
Alusdokumendid: 48B/2951/CDV; prEN IEC 61076-8-107:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 61076-8-108:2022
Connectors for electrical and electronic equipment - Product requirements - Part 8-108: Power connectors - Detail specification for 2P 250 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

This part of IEC 61076-8 describes free and fixed rectangular connectors with: − 2P power plus 2P signal contacts; − plastic housing with locking lever and four possible codings; − 250 A rated current, 1 000 V DC rated voltage on the power section; − 5 A rated current, 50 V DC rated voltage on the signal section; − individual shielding around each power contact with relevant shielding termination; − IP65/IP68 degree of protection when mated and locked and IPXXB on both plug and receptacle parts when unmated. hereinafter referred to as a connector, for use in electrical and electronic equipment, including overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods. Connectors according to this document are intended for use in class II equipment. Hence, they are not equipped with PE contact.

Keel: en
Alusdokumendid: 48B/2950/CDV; prEN IEC 61076-8-108:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 62286-6-401:2022
Fuel cell technologies - Part 6-401: Micro fuel cell power systems - Power and data interchangeability - Performance test methods for laptop computers

This document covers the requirements for the performance test methods between micro fuel cell power systems and notebook powered systems with unassuming built-in battery powered systems For this purpose, this document covers electrical performance test for the fuel cell/battery hybrid system. This document also covers performance test methods which focus on the power and data interchangeability with the micro fuel cell power system and laptop computer and other characteristics for BOP installed for laptop computer applications with fuel cell/battery hybrid system. For the power and data interchangeability with the micro fuel cell power system and laptop computer, this document applies to both gaseous hydrogen-fuelled fuel cell power, liquid hydrogen-fuelled fuel cell power, direct methanol fuel cell power and battery hybrid power pack systems. The following fuels are considered within the scope of this standard: – gaseous hydrogen, and – methanol. This document does not apply to reformer-

equipped fuel cell power systems. Block diagram of micro fuel cell power system is shown in Figure 1. This document covers configuration, the mode of hybridization, operation mode for fuel cell/battery power system.

Keel: en
Alusdokumendid: 105/902/CDV; prEN IEC 62286-6-401:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

29 ELEKTROTEHNIKA

prEN IEC 60071-2:2022
Insulation co-ordination - Part 2: Application guidelines (Proposed horizontal standard)

This part of IEC 60071 constitutes application guidelines and deals with the selection of insulation levels of equipment or installations for three-phase a.c. systems. Its aim is to give guidance for the determination of the rated withstand voltages for ranges I and II of IEC 60071- 1 and to justify the association of these rated values with the standardized highest voltages for equipment. This association is for insulation co-ordination purposes only. The requirements for human safety are not covered by this document. This document covers three-phase a.c. systems with nominal voltages above 1 kV. The values derived or proposed herein are generally applicable only to such systems. However, the concepts presented are also valid for two-phase or single-phase systems. This document covers phase-to-earth, phase-to-phase and longitudinal insulation. This document is not intended to deal with routine tests. These are to be specified by the relevant product committees. The content of this document strictly follows the flow chart of the insulation co-ordination process presented in Figure 1 of IEC 60071-1:2019. Clauses 5 to 8 correspond to the squares in this flow chart and give detailed information on the concepts governing the insulation coordination process which leads to the establishment of the required withstand levels. This document emphasizes the necessity of considering, at the very beginning, all origins, all classes and all types of voltage stresses in service irrespective of the range of highest voltage for equipment. Only at the end of the process, when the selection of the standard withstand voltages takes place, does the principle of covering a particular service voltage stress by a standard withstand voltage apply. Also, at this final step, this document refers to the correlation made in IEC 60071-1 between the standard insulation levels and the highest voltage for equipment. The annexes contain examples and detailed information which explain or support the concepts described in the main text, and the basic analytical techniques used.

Keel: en
Alusdokumendid: 99/356/CDV; prEN IEC 60071-2:2022
Asendab dokumenti: EVS-EN IEC 60071-2:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 62305-1:2022
Protection against lightning - Part 1: General principles

Standardi IEC 62305 käesolevas osas on toodud üldpõhimõtted, mida peab järgima nii ehitiste, kaasa arvatud ehitiste seadmestik ja sisaldised, kui ka inimeste piksekaitsel. Kui vaatluse all on: — raudteesüsteemid; — sõidukid, laevad, lennukid, merre ehitatud rajatised; — maa-alused kõrgsurvetorustikud; — torud ning elektri- ja sideliinid, mis paiknevad väljaspool ehitist; — tuumaelektrijaamad; siis need on objektid, mille kohta kehtivad mitmesuguste eri ametkondade poolt kehtestatud erieeskirjad, seetõttu on need väljaspool käesoleva standardi käsitlusala. MÄRKUS Standard IEC 61400-24 käsitleb ka tuuleelektrijaamade piksekaitset.

Keel: en
Alusdokumendid: prEN IEC 62305-1:2022; 81/695/FDIS
Asendab dokumenti: EVS-EN 62305-1:2011
Asendab dokumenti: EVS-EN 62305-1:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 15.06.2022

prEN IEC 62561-4:2022
Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners

This part of IEC 62561 deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used to retain and support the air-termination, down-conductor and earth-termination systems. This document does not cover the fixing of conductor fasteners to the fabric of structures due to the vast number and types used in modern day construction. LPSC may also be suitable for use in hazardous atmospheres. Additional requirements are necessary for the components to be installed in such conditions.

Keel: en
Alusdokumendid: 81/694/CDV; prEN IEC 62561-4:2022
Asendab dokumenti: EVS-EN 62561-4:2017

Arvamusküsitluse lõppkuupäev: 15.07.2022

prHD 60269-3:2022
Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F

Fuses for use by unskilled persons according to the following fuse systems comply with all subclauses of IEC 60269-1 and with the requirements laid down in the relevant fuse systems. This standard is divided into four fuse systems, each dealing with a specific example of standardized fuses for use by unskilled persons. All systems provide their own mechanical solution to avoid

the use of a fuse-link with higher current rating (non-interchangeability) whereas the protection of cables and lines is ensured. The applicant required to take care of replacing a fuse-link by the same type.

Keel: en
Alusdokumendid: 32B/719/CDV; prHD 60269-3:2022
Asendab dokumenti: EVS-HD 60269-3:2010
Asendab dokumenti: EVS-HD 60269-3:2010/A1:2013
Asendab dokumenti: EVS-HD 60269-3:2010/A1:2013/AC:2013
Asendab dokumenti: HD 60269-3:2010/prA2:2016

Arvamusküsitluse lõppkuupäev: 15.07.2022

31 ELEKTROONIKA

prEN IEC 61076-2-115:2022

Connectors for electrical and electronic equipment – Product requirements – Part 2–115: Circular connectors – Detail specification for 12-pole connectors with 2 A rated current and push-pull locking IP65/IP67 with metal housing

This part of IEC 61076-2 describes free and fixed 12P circular connectors with 2 A rated current, rated voltage up to and including 50 V AC/DC, IP65/IP67 metal housing with push- pull locking (hereinafter referred to as a connectors) for use in electrical and electronic equipment. It includes overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods.

Keel: en
Alusdokumendid: 48B/2948/CDV; prEN IEC 61076-2-115:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 61076-8-103:2022

Connectors for electrical and electronic equipment - Product requirements - Part 8–103: Power connectors - Detail specification for 2P+PE circular connectors with 20 A rated current and push-pull locking IP65/IP67 with metal housing

This part of IEC 61076-8 describes free and fixed 2-pole power (1P+N) plus PE circular connectors with 20 A rated current, rated voltage up to and including 300 V AC, IP65/IP67 metal housing with push-pull locking (hereinafter referred to as a connectors) for use in electrical and electronic equipment. It includes overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods.

Keel: en
Alusdokumendid: 48B/2952/CDV; prEN IEC 61076-8-103:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 61076-8-104:2022

Connectors for electrical and electronic equipment - Product requirements - Part 8-104: Power connectors - Detail specification for 2-pole circular connectors with 40 A rated current and push-pull locking IP65/IP67 with metal housing

This part of IEC 61076-8 describes free and fixed 2-pole circular power connectors with 40 A rated current, rated voltage up to and including 50 V AC/DC, and push-pull locking IP65/IP67 metal housings (hereinafter referred to as connectors) for use in electrical and electronic equipment. It includes overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods.

Keel: en
Alusdokumendid: 48B/2953/CDV; prEN IEC 61076-8-104:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 61076-8-109:2022

Connectors for electrical and electronic equipment - Product requirements - Part 8-109: Power connectors - Detail specification for 2P 130 A, 1 000 V plus 2P 5 A 50 V rectangular housing shielded connectors with IP65/IP68 degree of protection when mated and locked, and IPXXB when unmated

This part of IEC 61076-8 describes free and fixed rectangular connectors with: − 2P power plus 2P signal contacts; − plastic housing with locking lever and four possible codings; − 130 A rated current, 1 000 V DC rated voltage on the power section; − 5 A rated current, 50 V DC rated voltage on the signal section; − individual shielding around each power contact with relevant shielding termination; − IP65/IP68 degree of protection when mated and locked and IPXXB on both plug and receptacle parts when unmated. hereinafter referred to as a connector, for use in electrical and electronic equipment, including overall dimensions, interface dimensions, technical characteristics, performance requirements and test methods. Connectors according to this document are intended for use in class II equipment. Hence, they are not equipped with PE contact.

Keel: en
Alusdokumendid: 48B/2949/CDV; prEN IEC 61076-8-109:2022

Arvamusküsitluse lõppkuupäev: 15.07.2022

33 SIDETEHNIKA

EN IEC 55036:2020/prA1:2022

Amendment 1 - Electric and hybrid electric road vehicles - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers below 30 MHz

Amendment to EN IEC 55036:2020

Keel: en
Alusdokumendid: CIS/D/483/CDV; EN IEC 55036:2020/prA1:2022
Muudab dokumenti: EVS-EN IEC 55036:2020

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 61744:2022

Calibration of fibre optic chromatic dispersion test sets

This International Standard provides standard procedures for the calibration of optical fibre chromatic dispersion (CD) test sets. This standard is applicable to all types of CD test sets, with the exception that measurements on multimode optical fibres are excluded. The purpose of this standard is to define a standard procedure for calibrating optical fibre chromatic dispersion (CD) test sets. The detailed calibration steps used vary according to the measurement technique used in the CD test set. Whilst it is acknowledged that chromatic dispersion also occurs in multimode fibre and this fibre may be measured on many CD test sets, this standard will restrict discussion to single mode fibre measurements applications only. The purpose of the procedures outlined in this standard is to focus manufacturers and users of CD test sets toward the reduction of measurement uncertainty in chromatic dispersion determination in optical fibres under all applicable conditions. The procedures apply to calibration laboratories and to the manufacturers or users of CD test sets for the purpose of a) calibrating CD test sets; b) evaluating the level of performance of the instrument. Use of the procedures also allows correct evaluation of CD test set uncertainty, relative and traceable to appropriate (for example, national) standards.

Keel: en
Alusdokumendid: 86/598/CDV; prEN IEC 61744:2022
Asendab dokumenti: EVS-EN 61744:2006

Arvamusküsitluse lõppkuupäev: 15.07.2022

35 INFOTEHNOLOOGIA

prEN ISO 12813

Electronic fee collection — Compliance check communication for autonomous systems (ISO/DIS 12813:2022)

This document defines requirements for short-range communication for the purposes of compliance checking in autonomous electronic fee collecting systems. Compliance checking communication (CCC) takes place between a road vehicle's on-board equipment (OBE) and an interrogator (roadside mounted equipment, mobile device or hand-held unit), and serves to establish whether the data that are delivered by the OBE correctly reflect the road usage of the corresponding vehicle according to the rules of the pertinent toll regime. The operator of the compliance checking interrogator is assumed to be part of the toll charging role as defined in ISO 17573-1. The CCC permits identification of the OBE, vehicle and contract, and verification of whether the driver has fulfilled his obligations and the checking status and performance of the OBE. The CCC reads, but does not write, OBE data. This document is applicable to OBE in an autonomous mode of operation; it is not applicable to compliance checking in dedicated short-range communication (DSRC)-based charging systems. It defines data syntax and semantics, but not a communication sequence. All the attributes defined herein are required in any OBE claimed to be compliant with this document, even if some values are set to "not defined" in cases where certain functionality is not present in an OBE. The interrogator is free to choose which attributes are read in the data retrieval phase, as well as the sequence in which they are read. In order to achieve compatibility with existing systems, the communication makes use of the attributes defined in ISO 14906 wherever useful. The CCC is suitable for a range of short-range communication media. Specific definitions are given for the CEN-DSRC as specified in EN 15509, as well as for the use of ISO CALM IR, the Italian DSRC as specified in ETSI ES 200 674-1, ARIB DSRC and WAVE DSRC as alternatives to the CEN-DSRC. The attributes and functions defined are for compliance checking by means of the DSRC communication services provided by DSRC application layer, with the CCC attributes and functions made available to the CCC applications at the roadside equipment (RSE) and OBE. The attributes and functions are defined on the level of application data units (ADU). The definition of the CCC includes: — the application interface between OBE and RSE (as depicted in Figure 2); — use of the generic DSRC application layer as specified in ISO 15628 and EN 12834; — CCC data type specifications given in Annex A; — a protocol implementation conformance statement (PICS) proforma is given in Annex B; — use of the CEN-DSRC stack as specified in EN 15509, or other equivalent DSRC stacks as described in Annex C, Annex D, Annex E and Annex F; — security services for mutual authentication of the communication partners and for signing of data (see Annex H); — an example CCC transaction is presented in Annex G; — the informative Annex I highlights how to use this document for the European electronic toll service (as defined in Commission Decision 2009/750/EC). Test specifications are not within the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 12813; prEN ISO 12813
Asendab dokumenti: EVS-EN ISO 12813:2019

Arvamusküsitluse lõppkuupäev: 15.07.2022

49 LENNUNDUS JA KOSMOSETEHNIKA

FprEN 2003-2
Aerospace series - Steels - Test methods - Part 2: Izod impact test

This document specifies the Izod impact test method for steel products used for aerospace applications. It shall be applied when referred to in the EN technical specification or material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: FprEN 2003-2

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 2282
Aerospace series - Characteristics of aircraft electrical supplies

This document specifies the characteristics of electrical power supplied to the terminals of equipment installed in the aircraft. It also defines the supply system and compatibility requirements for equipment together with the special systems with constant and variable frequency. This document applies to a.c. and d.c. on-board or ground systems.

Keel: en
Alusdokumendid: FprEN 2282
Asendab dokumenti: EVS-EN 2282:2000

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3557
Aerospace series - Aluminium alloy AL-P6061-T4 - Drawn tube for pressure applications - 0,6 mm ≤ a ≤ 3 mm

This document specifies the requirements relating to: Aluminium alloy AL-P6061-T4, Drawn tube for pressure applications, 0,6 mm ≤ a ≤ 3 mm - for aerospace applications.

Keel: en
Alusdokumendid: FprEN 3557

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3656
Aerospace series - Polycarbonate, self-extinguishing, low smoke emission - Characteristics

This document specifies the characteristics of self-extinguishing and low smoke emission semi-finished polycarbonate sheets with and without UV radiation protection requirement, as used for aircraft equipment, such as internal panelling, simple internal glazing, sound-proofing panels, light covers, etc.

Keel: en
Alusdokumendid: FprEN 3656

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3675
Aerospace series - Sampling plan for acceptance testing of aramid, carbon fibre and textile glass filament yarns

This document specifies the sampling plan for acceptance testing of aramid, carbon fibre and textile glass filament yarns in terms of sample size and rejection criteria. This document serves as a basis for the corresponding technical specification. It covers the inspection by attributes. The inspection by measurements (variables) will be added in subsequent edition. It is also planned to extend its scope of application to reinforcing woven fabrics.

Keel: en
Alusdokumendid: FprEN 3675

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3700
Aerospace series - Static inverters for aircraft - Technical specification

This document specifies the characteristics, the test methods and the qualification conditions for static inverters for use in converting electrical power in flight vehicles from 28 V d.c. to a. c. power at 400 Hz.

Keel: en
Alusdokumendid: FprEN 3700

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3758

Aerospace series - Simplex high speed data transmission system

A terminal transmits data to one or more other terminals on a single fibre optic or wire Interconnect. The system is intended to operate at 10 Mbit/s or greater. Characteristics of an implementation including data rate are defined by slash sheets included in Annex B and Annex E. This document specifies the transmission media, the transmitting and receiving terminals, and the associated interface electronics. The concept of operation and information flow on the interconnect and the optical, electrical and functional formats to be employed are also specified. This document will promote commonality with EN 3910-001 in the areas of hardware, fibre optic and wire transmission media, installation techniques and Electromagnetic Compatibility behaviour. When invoked in a specification or statement of work, the requirements specified in this document shall apply to the interconnect and associated equipment which is developed either alone or as a portion of a system or subsystem development as required by the invitation for bid or request for proposal.

Keel: en
Alusdokumendid: FprEN 3758

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 3762

Aerospace series - Heat-resisting alloy X6NiCrTiMnMoV26-15 (1.4944) - Softened and cold worked - Wire for forged fasteners - D ≤ 15 mm - 1 100 MPa ≤ Rm ≤ 1 300 MPa

This document specifies the requirements relating to: Heat-resisting alloy X6NiCrTiMnMoV26-15 (1.4944), Softened and cold worked Wire for forged fasteners, D ≤ 15 mm, 1 100 MPa ≤ Rm ≤ 1 300 MPa - for aerospace applications.

Keel: en
Alusdokumendid: FprEN 3762

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 4165-002

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 002: Specification of performance and contact arrangements

This document defines a number of conditions common to rectangular electrical modular connectors for receptacles, plugs and rack and panel, with interchangeable modules and continuous operating temperature 175 °C.

Keel: en
Alusdokumendid: FprEN 4165-002
Asendab dokumenti: EVS-EN 4165-002:2015
Asendab dokumenti: EVS-EN 4165-002:2015/AC:2016

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 4374

Aerospace series - Heat-resisting alloy NI-PH1301 (NiCr19Co18Mo4Ti3Al3) - Solution treated and precipitation treated - Bars and sections - De ≤ 200 mm

This document specifies the requirements relating to: Heat-resisting alloy NI-PH1301 (NiCr19Co18Mo4Ti3Al3), Solution treated and precipitation treated, Bars and sections, De ≤ 200 mm - for aerospace applications.

Keel: en
Alusdokumendid: FprEN 4374

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 4708-201

Aerospace series - Sleeves, heat-shrinkable, for binding, insulation and identification - Part 201: Polyolefin identification sleeves - Operating Temperature range -55 °C to 135 °C - Product standard

This document specifies the required characteristics for heat-shrinkable polyolefin identification sleeving for use in aircraft electrical systems at operating temperatures between -55 °C and 135 °C. This specification is for the characterisation of identification sleeves only. This sleeving is flexible and flame retarded, and is available with 2:1 and 3:1 shrink ratios. The product is normally supplied with internal diameters up to 57 mm. The standard colours are white or yellow. Sizes or colours other than those specifically listed in this standard may be available. These items shall be considered to comply with this document if they comply with the property requirements listed in tables 3 and 4 except for dimensions and mass. As the sleeving to be tested is a printed article the complete system is to be recorded as part of the evaluation. The sleeve will only be considered as meeting the requirements of this specification if printed with the printer, ribbon, inks, and settings referenced within the test report. Mark adherence and print permanence are determined in this document using method EN 6059-407.

Keel: en
Alusdokumendid: FprEN 4708-201

Arvamusküsitluse lõppkuupäev: 15.07.2022

FprEN 4708-203

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 203: polyvinylidene fluoride (PVDF) Identification sleeves - Operating Temperature range -55ºC to 225ºC - Product Standard

This document specifies the required characteristics for heat-shrinkable semi rigid polyvinylidene identification sleeves for use in aircraft electrical systems at operating temperatures between -55 °C and 225 °C. This specification is for the characterisation of Identification sleeves only. This sleeving is a semi rigid tough product and is suitable for use where high temperatures and extreme fluid resistance properties are required. It is available with a shrink ratio of 2:1. The product is normally supplied with internal diameters up to 38 mm The standard colours are white, black or yellow. For use at temperatures above 200 °C black with white or silver ink is recommended Sizes or colours other than those specifically listed in this standard may be available. These items shall be considered to comply with this document if they comply with the property requirements listed in tables 2 and 3 except for dimensions and mass. As the sleeving to be tested is a printed article the complete system is to be recorded as part of the evaluation. The sleeve will only be considered as meeting the requirements of this specification if printed with the printer, ribbon/inks and settings referenced within the test report. Mark adherence and print permanence are determined in this document using method EN 6059-407.

Keel: en
Alusdokumendid: FprEN 4708-203

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 2591-508

Aerospace series - Elements of electrical and optical connection - Part 508: Measurement of thickness of coating on contacts - Test methods

This document specifies methods of measuring thickness of electro-deposited gold or gold alloys coatings on contacts of elements of connection.

Keel: en
Alusdokumendid: prEN 2591-508
Asendab dokumenti: EVS-EN 2591-508:2002

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 2591-509

Aerospace series - Elements of electrical and optical connection - Part 509: Adhesion of coating on contacts - Test methods

This document specifies methods of verifying adhesion of electrodeposited gold and gold alloy coatings on contacts.

Keel: en
Alusdokumendid: prEN 2591-509
Asendab dokumenti: EVS-EN 2591-509:2002

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 2997-004

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 004: Jam-nut mounted receptacle - Product standard

This document specifies the characteristics of jam-nut mounted receptacles in the family of circular electrical connectors coupled by threaded ring. It applies to the class defined in Table 4. For contacts, filler plugs, and rear accessories associated with this receptacle, see EN 2997-002. For plugs and protective covers, see EN 2997-008 and EN 2997-009 respectively. For spare jam-nuts and o-rings, see EN 2997-012 and EN 2997-013 respectively.

Keel: en
Alusdokumendid: prEN 2997-004
Asendab dokumenti: EVS-EN 2997-004:2006

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 2997-006

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 006: Hermetic jam-nut mounted receptacle - Product standard

This document specifies the characteristics of hermetic jam-nut mounted receptacles in the family of circular electrical connectors coupled by threaded ring. It applies to the class defined in Table 4. For plugs and protective covers, see EN 2997-008 and EN 2997-009 respectively. For spare jam-nuts and O-rings, see EN 2997-012 and EN 2997-013 respectively.

Keel: en
Alusdokumendid: prEN 2997-006
Asendab dokumenti: EVS-EN 2997-006:2017

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 3628
Aerospace series - Lockwire, drawn - Corrosion resisting steel

This document specifies the dimensions and tolerances for corrosion resisting steel drawn lockwire for aerospace applications.

Keel: en
Alusdokumendid: prEN 3628

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 3745-306
Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 306: Variation of attenuation during temperature cycling

This document specifies a method for checking the variation of attenuation of an optical cable during temperature cycling.

Keel: en
Alusdokumendid: prEN 3745-306
Asendab dokumenti: EVS-EN 3745-306:2005

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 4703
Aerospace series - Test specification for verification of the permeability of electrical insulation

This document specifies a test that determines the ability of electrical equipment to withstand wet atmospheres in combination with variable ambient air pressure in particular in an aircraft installation. The main adverse effects to be anticipated are fluid ingress and related insulation breakdown.

Keel: en
Alusdokumendid: prEN 4703

Arvamusküsitluse lõppkuupäev: 15.07.2022

65 PÕLLUMAJANDUS

prEN ISO 5674
Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive-shafts - Strength and wear tests and acceptance criteria (ISO/DIS 5674:2022)

This International Standard specifies laboratory tests for determining the strength and wear resistance of guards for power take-off (PTO) drive- shafts on tractors and machinery used in agriculture and forestry, and their acceptance criteria. It is intended to be used in combination with ISO 5673-1:2005. It is applicable to the testing of PTO drive- shaft guards and their restraining means. It is not applicable to the testing of guards designed and constructed to be used as steps.

Keel: en
Alusdokumendid: ISO/DIS 5674; prEN ISO 5674
Asendab dokumenti: EVS-EN ISO 5674:2009

Arvamusküsitluse lõppkuupäev: 15.07.2022

77 METALLURGIA

prEN ISO 683-17
Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO/DIS 683-17:2022)

ISO 683-17:2014 specifies the technical delivery requirements for five groups of wrought ball and roller bearing steels: through-hardening bearing steels (steels with about 1 % C and 1 % to 2 % Cr), case-hardening bearing steels, induction-hardening bearing steels (unalloyed and alloyed), stainless bearing steels, and high-temperature bearing steels.

Keel: en
Alusdokumendid: ISO/DIS 683-17; prEN ISO 683-17
Asendab dokumenti: EVS-EN ISO 683-17:2014

Arvamusküsitluse lõppkuupäev: 15.07.2022

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 1675
Plastics - Liquid resins - Determination of density by the pycnometer method (ISO/DIS 1675:2022)

This document specifies a method for the determination of the density of liquid resins using a pycnometer

Keel: en
Alusdokumendid: ISO/DIS 1675; prEN ISO 1675
Asendab dokumenti: EVS-EN ISO 1675:2000

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 6401

Plastics - Poly(vinyl chloride) - Determination of residual vinyl chloride monomer - Gas-chromatographic method (ISO/DIS 6401:2022)

ISO 6401:2008 specifies a method for the determination of vinyl chloride monomer in homopolymer and copolymer resins of vinyl chloride and compounded materials. The method is based on sample dissolution and headspace gas chromatography. Concentrations of vinyl chloride in the range 0,1 mg/kg to 3,0 mg/kg can be determined. A "dry method", suitable for PVC resins but not compounded materials, is widely used within the industry for in-house determinations. A separate International Standard based on this methodology is under development.

Keel: en
Alusdokumendid: ISO/DIS 6401; prEN ISO 6401
Asendab dokumenti: EVS-EN ISO 6401:2008

Arvamusküsitluse lõppkuupäev: 15.07.2022

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 1518-1

Paints and varnishes - Determination of scratch resistance - Part 1: Constant-loading method (ISO/DIS 1518-1:2022)

This document specifies a test method for determining under defined conditions the resistance of a single coating or a multi-coat system of paint, varnish or related product to penetration by scratching with a scratch stylus loaded with a specified load. Penetration of the stylus is to the substrate, except in the case of a multi-coat system, in which case the stylus can penetrate either to the substrate or to an intermediate coat. The method specified can be carried out a) either as a "pass/fail" test, by testing with a single specified load applied to the stylus to assess conformity with a particular specification, or b) as an assessment test by applying increasing loads to the stylus to determine the minimum load at which the coating is penetrated. NOTE Neither this document nor ISO 1518-2 specifies a method using a curved stylus, which is specified in ISO 12137. The choice between the three methods will depend on the particular practical problem.

Keel: en
Alusdokumendid: ISO/DIS 1518-1; prEN ISO 1518-1
Asendab dokumenti: EVS-EN ISO 1518-1:2019

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 7784-1

Paints and varnishes - Determination of resistance to abrasion - Part 1: Method with abrasive-paper covered wheels and rotating test specimen (ISO/DIS 7784-1:2022)

ISO 7784-1:2016 specifies a method for determining the resistance to abrasion of coatings, for which two loaded, freely rotatable but eccentrically arranged abrasive-paper covered wheels affect the coating of the rotating test specimens.

Keel: en
Alusdokumendid: ISO/DIS 7784-1; prEN ISO 7784-1
Asendab dokumenti: EVS-EN ISO 7784-1:2016

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN ISO 7784-2

Paints and varnishes - Determination of resistance to abrasion - Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO/DIS 7784-2:2022)

ISO 7784-2:2016 specifies a method for determining the resistance to abrasion of coatings, for which two loaded, freely rotatable but eccentrically arranged abrasive rubber wheels affect the coating of the rotating test specimen.

Keel: en
Alusdokumendid: ISO/DIS 7784-2; prEN ISO 7784-2
Asendab dokumenti: EVS-EN ISO 7784-2:2016

Arvamusküsitluse lõppkuupäev: 15.07.2022

91 EHITUSMATERJALID JA EHITUS

prEN 17195

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in eluates

This document specifies analytical methods for the determination of major, minor and trace elements and of anions in aqueous eluates from construction products. It refers to the following 67 elements: Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt),

potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr) and to the following four anions: Cl-, Br-, F-, SO42-. This document also describes how to measure general parameters like pH, electrical conductivity, DOC/TOC. The methods in this document are applicable to construction products. NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045. The selection of analytical methods to be applied is based on the required sensitivity of the method, which is provided for all substance - analytical procedure combinations.

Keel: en
Alusdokumendid: prEN 17195
Asendab dokumenti: CEN/TS 17195:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17196

Construction products: Assessment of release of dangerous substances - Digestion by aqua regia for subsequent analysis of inorganic substances

This document specifies methods for obtaining the aqua regia digestible content of construction products. Solutions produced by this method are for analysis by inductively coupled plasma mass spectrometry (ICP-MS) and inductively coupled spectrometry (ICP-OES) for the following 67 elements: Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr). Solutions produced by the methods are suitable for analysis by cold vapour atomic absorption or fluorescent spectrometry (CV-AAS, CV-AFS), for mercury (Hg). The method in this document is applicable to construction products. Digestion with aqua regia will not necessarily accomplish total decomposition of the sample. The extracted analyte concentrations might not necessarily reflect the total content in the sample. NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045.

Keel: en
Alusdokumendid: prEN 17196
Asendab dokumenti: CEN/TS 17196:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17197

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by inductively coupled plasma optical emission spectrometry (ICP-OES)

This document specifies the method for the determination of major, minor and trace elements in aqua regia and nitric acid digests and in eluates of construction products by inductively coupled plasma optical emission spectrometry (ICP-OES). It refers to the following 44 elements: Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), chromium (Cr), cobalt (Co), copper (Cu), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), phosphorus (P), potassium (K), praseodymium (Pr), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), thallium (Tl), thorium (Th), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), zinc (Zn), and zirconium (Zr). For the determination of low levels of As, Se and Sb, hydride generation can be applied. This method is described in Annex E. NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045. The method in this document is applicable to construction products and validated for the product types listed in Annex C.

Keel: en
Alusdokumendid: prEN 17197
Asendab dokumenti: CEN/TS 17197:2018+AC:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17200

Construction products: Assessment of release of dangerous substances - Analysis of inorganic substances in digests and eluates - Analysis by inductively coupled plasma mass spectrometry (ICP-MS)

This document specifies the method for the determination of major, minor and trace elements in aqua regia and nitric acid digests and in eluates of construction products by inductively coupled plasma mass spectrometry (ICP-MS). It refers to the following 67 elements: aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), caesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo),

neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr). NOTE 1 Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045 [1]. The working range depends on the matrix and the interferences encountered. NOTE 2 The limit of detection of most elements will be affected by their natural abundance, ionization behaviour, on abundance of isotope(s) free from isobaric interferences and by contamination (e.g. handling and airborne). Handling contaminations are in many cases more important than airborne ones. The limit of detection will be higher in cases where the determination is likely to be interfered (see Clause 6) or in case of memory effects (see e.g. EN ISO 17294 1:2006). The method in this document is applicable to construction products and validated for the product types listed in Annex A.

Keel: en
Alusdokumendid: prEN 17200
Asendab dokumenti: CEN/TS 17200:2018+AC:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17201

Construction products: Assessment of release of dangerous substances - Content of inorganic substances - Methods for analysis of aqua regia digests

This document specifies analytical methods for the determination of major, minor and trace elements in aqua regia digests of construction products. It refers to the following 67 elements: Aluminium (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), bismuth (Bi), boron (B), cadmium (Cd), calcium (Ca), cerium (Ce), cesium (Cs), chromium (Cr), cobalt (Co), copper (Cu), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), gallium (Ga), germanium (Ge), gold (Au), hafnium (Hf), holmium (Ho), indium (In), iridium (Ir), iron (Fe), lanthanum (La), lead (Pb), lithium (Li), lutetium (Lu), magnesium (Mg), manganese (Mn), mercury (Hg), molybdenum (Mo), neodymium (Nd), nickel (Ni), palladium (Pd), phosphorus (P), platinum (Pt), potassium (K), praseodymium (Pr), rubidium (Rb), rhenium (Re), rhodium (Rh), ruthenium (Ru), samarium (Sm), scandium (Sc), selenium (Se), silicon (Si), silver (Ag), sodium (Na), strontium (Sr), sulphur (S), tellurium (Te), terbium (Tb), thallium (Tl), thorium (Th), thulium (Tm), tin (Sn), titanium (Ti), tungsten (W), uranium (U), vanadium (V), ytterbium (Yb), yttrium (Y), zinc (Zn), and zirconium (Zr). The methods in this document are applicable to construction products. NOTE Construction products include e.g. mineral-based products (S); bituminous products (B); metals (M); wood-based products (W); plastics and rubbers (P); sealants and adhesives (A); paints and coatings (C), see also CEN/TR 16045 [1]. The selection of analytical methods to be applied is based on the required sensitivity of the method, which is provided for all combinations of substance and analytical procedure.

Keel: en
Alusdokumendid: prEN 17201
Asendab dokumenti: CEN/TS 17201:2018+AC:2018

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17331

Construction products: Assessment of release of dangerous substances - Content of organic substances - Methods for extraction and analysis

This document specifies existing methods for the determination of the content of specific organic substances in construction products. The following parameters are covered: BTEX, biocides, dioxins, furans and dioxin-like PCBs, mineral oil, nonylphenols, PAH, PCB, PCP, PBDE, and short-chain chlorinated paraffins. NOTE 1 Methods still under development or available at national level only are listed in Annex B for PFOS, PFOA, HBCD and EOX. The methods can be included in the normative text as soon as full EN standards are available. NOTE 2 Methods that have not been validated for construction products, because no suitable material was available at the time of the robustness validation, only are listed in Annex B. This applies to organotin compounds, phenols and phthalates. The methods listed in this document come from different fields and are expected to be suitable for organic substances in organic extracts from all types of constructions products. The methods in this document are validated for the product types listed in Annex A. NOTE 3 Construction products include, e.g. mineral-based products, bituminous products, wood-based products, polymer-based products and metals. This document includes analytical methods for all matrices except metals.

Keel: en
Alusdokumendid: prEN 17331
Asendab dokumenti: CEN/TS 17331:2019

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17332

Construction products: Assessment of release of dangerous substances - Analysis of organic substances in eluates

This document specifies existing methods for the determination of specific organic substances in aqueous eluates from leaching of construction products. The following parameters are covered: pH, electrical conductivity, biocides, bisphenol A, BTEX, dioxins and furans, DOC, epichlorohydrin, mineral oil, nonylphenols, PAH, PBDE, PCB, dioxin-like PCB, PCP, phenols and phthalates. NOTE 1 Methods still under development or available at national level only are listed in Annex B for certain amines, AOX, and biocidal and plant protection products. NOTE 2 Methods that have not been validated for aqueous eluates from leaching of construction products, because no suitable material was available at the time of the robustness validation, only are listed in Annex B. This applies to organotin compounds. The methods in this document come from different fields, mainly the analysis of water, and are applicable for the eluates from construction products. They are validated for eluates of the product types listed in Annex A. NOTE 3 Construction products include, e.g. mineral-based products, bituminous products, wood-based products, polymer-

based products and metals. This document includes analytical methods for all matrices except metals. The selection of the method to be applied is based on the product matrix and the required sensitivity.

Keel: en
Alusdokumendid: prEN 17332
Asendab dokumenti: CEN/TS 17332:2019

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17840

Performance and condition assessment for buildings and civil engineering works - Framework for assessment within physical asset management

This document specifies and gives guidance on the performance and condition assessment process of existing physical assets in the utilization stage (from commissioning to the end of life). This document relates to assessment of physical assets within the building and civil engineering sector; however, it can also be used in other sectors where applicable. This document describes a generic framework for assessment, specification of requirements, the observation process and gathering of the required information in order to sustain informed asset management decision making. This document is an umbrella standard and refers to other standards for detailed methods. It does not replace any other standard, but is an addition to provide a system for the assessment work. NOTE 1 The references to other standards only relate to building and civil engineering works. There are no references for production machinery and equipment, offshore, electrical and mechanical assets, mobile assets and non-tangible assets. NOTE 2 In this document the physical assets will be referred to as assets, except in the clause Terms and definitions.

Keel: en
Alusdokumendid: prEN 17840

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17844

Construction products: Assessment of release of dangerous substances - Determination of the content of polycyclic aromatic hydrocarbons (PAH) and of benzene, toluene, ethylbenzene and xylenes (BTEX) - Gas chromatographic method with mass spectrometric detection

This document describes two methods for determining the content of polycyclic aromatic hydrocarbons (PAH) and one method for determining the content of benzene, toluene, ethylbenzene and xylenes (BTEX) with gas chromatography with mass spectrometric detection (GC-MS). See Annex A for a list of PAH and BTEX that can be determined with this document. This document is intended to be used for construction products. In a number of cases additional analysis with high performance liquid chromatography (HPLC) can be necessary to determine a number of compounds. To determine PAH multiple liquid-liquid extraction is used to remove disturbing compounds. The tests that led to this document were carried out on different types of roofing material, asphalt and one tar containing asphalt, [3] and [5]. The detectability limit of the methods for individual compounds in roofing material, asphalt and tar containing asphalt for PAH is 0,5 mg/kg to 1,5 mg/kg and for BTEX 0,1 mg/kg.

Keel: en
Alusdokumendid: prEN 17844

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN 17845

Construction products: Assessment of release of dangerous substances - Determination of biocide residues using LC-MS/MS

This document describes a method for the determination of the content of biocides in construction products, (either finished (dried) or in a ready-to-use state) and in eluates thereof, using liquid chromatography and tandem mass spectrometric detection (LC-MS/MS). For content analysis liquid chromatography with UV-detection can also be used, if sufficient sensitivity and selectivity is ensured (see Annex A). The method in this document is validated for the product types listed in Annex D. For eluate analysis quantification limits of 0,1 µg/l can be achieved.

Keel: en
Alusdokumendid: prEN 17845

Arvamusküsitluse lõppkuupäev: 15.07.2022

prEN IEC 62305-1:2022

Protection against lightning - Part 1: General principles

Standardi IEC 62305 käesolevas osas on toodud üldpõhimõtted, mida peab järgima nii ehitiste, kaasa arvatud ehitiste seadmestik ja sisaldised, kui ka inimeste piksekaitsel. Kui vaatluse all on: — raudteesüsteemid; — sõidukid, laevad, lennukid, merre ehitatud rajatised; — maa-alused kõrgsurvetorustikud; — torud ning elektri- ja sideliinid, mis paiknevad väljaspool ehitist; — tuumaelektrijaamad; siis need on objektid, mille kohta kehtivad mitmesuguste eri ametkondade poolt kehtestatud erieeskirjad, seetõttu on need väljaspool käesoleva standardi käsitlusala. MÄRKUS Standard IEC 61400-24 käsitleb ka tuuleelektrijaamade piksekaitset.

Keel: en
Alusdokumendid: prEN IEC 62305-1:2022; 81/695/FDIS
Asendab dokumenti: EVS-EN 62305-1:2011
Asendab dokumenti: EVS-EN 62305-1:2011/AC:2016

Arvamusküsitluse lõppkuupäev: 15.06.2022

prEN IEC 62561-4:2022

Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners

This part of IEC 62561 deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used to retain and support the air-termination, down-conductor and earth-termination systems. This document does not cover the fixing of conductor fasteners to the fabric of structures due to the vast number and types used in modern day construction. LPSC may also be suitable for use in hazardous atmospheres. Additional requirements are necessary for the components to be installed in such conditions.

Keel: en
Alusdokumendid: 81/694/CDV; prEN IEC 62561-4:2022
Asendab dokumenti: EVS-EN 62561-4:2017

Arvamusküsitluse lõppkuupäev: 15.07.2022

93 RAJATISED

prEN 805

Water supply - Requirements for systems and components outside buildings

This document specifies: - general requirements for water supply systems outside buildings including potable water mains and service pipes, service reservoirs, other facilities and raw water mains but excluding treatment works and water resources development; - general requirements for components; - general requirements for inclusion in product standards which may include specifications which are more stringent; - requirements for installation, site testing and commissioning. The requirements of this document apply to: - the design and construction of new water supply systems; - the extension of significant areas forming a coherent part of an existing water supply system; - significant modification and/or rehabilitation of existing water supply systems; - all those water infrastructure systems since they are key to meet the sustainable goals of the cities and to show the urgent need to invest in them in order to consider fundamental aspects, such as resilience or mitigation/adaptation to climate change. NOTE It is not intended that existing water supply systems are to be altered to comply with this document, provided that there are no significant detrimental effects on water quantity, security, reliability and adequacy of the supply.

Keel: en
Alusdokumendid: prEN 805
Asendab dokumenti: EVS-EN 805:2000

Arvamusküsitluse lõppkuupäev: 15.07.2022

97 OLME. MEELELAHUTUS. SPORT

EN 60335-2-53:2011/prA2

Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins

This standard deals with the safety of electric sauna heating appliances and infrared emitting units having a rated power input not exceeding 20 kW, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en
Alusdokumendid: IEC 60335-2-53:2011/AMD2:2021; EN 60335-2-53:2011/prA2
Muudab dokumenti: EVS-EN 60335-2-53:2011

Arvamusküsitluse lõppkuupäev: 15.07.2022

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 14081-3:2022

Puitkonstruktsioonid. Nelinurkse ristlõikega tugevussorditud ehituspuit. Osa 3: Masinsortimine. Täiendavad nõuded tootmisohjele ettevõttes

See dokument määrab kindlaks, lisaks standardis EN 14081-1 antule, ettevõtte tootmisohje nõuded saagimisel, hööveldamisel või muul meetodil töödeldud nelinurkse ristlõikega masinsorditud ehituspuidule, mille mõõtmete hälbed sihtmõõtmetest vastavad standardile EN 336.

Keel: et
Alusdokumendid: EN 14081-3:2022

Kommenteerimise lõppkuupäev: 15.06.2022

EVS-EN ISO 14050:2020

Keskkonnajuhtimine. Sõnavara

Selles dokumendis määratletakse terminid, mida kasutatakse keskkonnajuhtimissüsteemide valdkonna dokumentides ja kestlikku arengut toetavates vahendites. Need hõlmavad juhtimissüsteeme, auditeerimist ja teisi hindamissüsteeme, jalajälje uuringuid, kasvuhoonegaaside leevendamist ja kohandumist kliimamuutustega.

Keel: et
Alusdokumendid: ISO 14050:2020; EN ISO 14050:2020

Kommenteerimise lõppkuupäev: 15.06.2022

prEVS-EN 12101-13

Suitsu ja soojuse kontrollsüsteemid. Osa 13: Rõhuvahesüsteemid. Projekteerimis- ja arvutusmeetodid, paigaldus, vastuvõtukatsed, korraline katsetus ja hooldus

Käesolev dokument käsitleb arvutusmeetodeid, juhendeid ja nõudeid, mis puudutavad rõhuvahesüsteemide projekteerimist, paigaldust, vastuvõtukatseid, korralisi katsetusi ja hooldust. Rõhuvahesüsteemid on kavandatud suitsu peatamiseks hoone suitsu mittepidavate füüsiliste takistuste nagu uste (avatud või suletud) või muude sarnaselt piiratud avade juures ja säilitada püsivaid tingimusi evakuatsiooni- ja juurdepääsuteedel, sõltuvalt rakendusest. See käsitleb süsteeme, mis on ette nähtud evakuatsiooniteede, näiteks trepikojad, koridorid ja tamburid, kaitsmiseks, samuti süsteeme, mis tagavad kaitstud tulekustutusala (tugipunkt) päästemeeskonnale. Toodud on kriitilisi omadusi ja asjakohaseid protseduure puudutavad üksikasjad. Kirjeldatakse kasutuselevõtu protseduure ja vastuvõtukatsete kriteeriumeid, mida on vaja kinnitamaks, et kavandatud lahendus on hoones saavutatud. Käesolev dokument toob välja juhised, nõuded ja protseduurid rõhuvahesüsteemide projekteerimiseks hoonetele kõrgusega kuni 60 m. Üle 60 m kõrgustele hoonetele on antud samasugused juhised (näiteks tabel 1), kuid vajalikud on täiendavad arvutus- ja kontrollimeetodid. Nõuded seoses selliste meetodite ja kontrolliga on toodud lisas D, kuid need meetodid (nt täiendav matemaatiline analüüs ja/või arvutuslik vedelike dünaamika) jäävad käesoleva dokumendi käsitlusalast välja. Samuti on käesolevas dokumendis määratletud korralised katsetused ja hooldusnõuded. Riiklike eeskirjade puudumisel ja eeldatavatel ümbritseva keskkonna tingimustel peab rõhuvahesüsteem vastama tabelis 1 toodud nõuetele.

Keel: et
Alusdokumendid: EN 12101-13:2022

Kommenteerimise lõppkuupäev: 15.06.2022

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 840:2017

Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings

Selles Eesti standardis antakse projekteerijatele ja ehitajatele juhised radooniohutu hoone ehitamiseks, et vältida tervist kahjustava radooni lubatud viitetaseme ületamist ruumides, kus inimesed pikemat aega viibivad. Standardis on esitatud valik radooniohu vähendamise meetmeid. Tuleb arvestada, et see loetelu ja lahendused pole lõplikud ning lisaks võib radooniohutuse tagada ka muude lahendustega, mille toimivust on uuritud ja dokumenteeritult tõestatud.

Kehtima jätmise alus: EVS/TK 28 otsus 25.03.2022 2-8/24 ja teade pikendamisküsitlusest 01.04.2022 EVS Teatajas

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

Selles rubriigis avaldame teavet Eesti standardite paranduste koostamise kohta. Standardiparandus koostatakse toimetuslikku laadi vigade (trükivead jms) kõrvaldamiseks standardist. Eesti standardi paranduse tähis koosneb standardi tähisest ja selle lõppu lisatud tähtedest AC.

Näiteks standardile EVS XXX:YYYY tehtud parandus kannab eraldi avaldatuna tähist EVS XXX:YYYY/AC:ZZZZ. Parandatud standardi tähis ei muutu.

EVS-EN 1015-1:2004+A1:2007/AC:2022

Müürimörtide katsemeetodid. Osa 1: Terastikulise koostise määramine (sõelanalüüs)
Methods of test for mortar for masonry - Part 1: Determination of particle size distribution (by sieve analyses)

AVALDATUD STANDARDI PARANDATUD VÄLJAANNE

Selles rubriigis avaldame teavet Eesti standardi parandatud väljaande avaldamise kohta, mis on avaldatud standardi kokkupanekul tekkinud vigade kõrvaldamiseks.

.

EVS-EN ISO 17422:2019

Plastics - Environmental aspects - General guidelines for their inclusion in standards (ISO 17422:2018)

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.

CEN/TR 17452:2020

Maagaasi tanklad. Euroopa standardite rakendamise juhend CNG ja LNG sõidukite tanklatele
Natural gas fuelling stations — Guidance for implementation of European standards on CNG and LNG stations for fuelling vehicles

See dokument annab juhised organisatsioonide toetamiseks CNG ja LNG sõidukite tanklate Euroopa standardite rakendamise kohta (st vastavalt EN ISO 16923:2018 ja EN ISO 16924:2018). See dokument ristviitab Euroopa standardid rahvusvahelistele standarditele, mis on loetletud standardites EN ISO 16923:2018 ja EN ISO 16924:2018, ning seob need standardid vajaduse korral asjakohaste Euroopa direktiividega. See dokument annab selgitusi standardites EN ISO 16923:2018 ja EN ISO 16924:2018 kirjeldatud teatud nõuete ja soovituste kohta.

EVS-EN 50522:2022

Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine
Earthing of power installations exceeding 1 kV a.c.

Selles dokumendis määratakse võrkudes nimivahelduvpingega üle 1 kV ja nimisagedusega kuni 60 Hz paiknevate elektripaigaldiste maandussüsteemide projekteerimise ja ehitamise nõuded, et tagada ettenähtud kasutamise ohutus ja nõuetekohane toimivus. MÄRKUS Selle dokumendi tehnilisi ja protseduurilisi põhimõtteid saab rakendada, kui kolmandate poolte paigaldisi ja rajatisi kavandatakse ja/või ehitatakse kõrgepinge tugevvoolupaigaldiste lähedusse. Selles dokumendis mõistetakse tugevvoolupaigaldiste all järgmisi paigaldisi: a) alajaamad, sealhulgas elektriraudtee toitealajaamad; b) elektripaigaldised postidel, mastidel ja tornides; väljaspool suletud elektrikäiduala paiknevad jaotlad ja/või trafod; c) ühessamas paigas asuv(ad) üks (või mitu) elektrijaamaplokk(i); tugevvoolupaigaldis sisaldab generaatoreid ja trafosid koos kõigi selle juurde kuuluvate jaotlate ja kõigi abivooluahelatega; eri paikades asuvate elektrijaamaplokkide vahelised ühendused siia hulka ei kuulu; d) tehaste, tootmisettevõtete või muude tööstuslike, põllumajanduslike, kaubanduslike või avalike asutuste elektrivõrgud; e) tugevvoolupaigaldised avamererajatistel elektrienergia tootmiseks, ülekandeks, jaotamiseks ja/või salvestamiseks; f) õhuliinide ja maa-aluste liinide vahelised siirdemastid. Tugevvoolupaigaldisse kuuluvad muu hulgas järgmised seadmed: — pöörlevad elektrimasinad; — jaotlad; — trafod ja reaktorid; — muundurid; — kaablid; — juhistikud; — akupatareid; — kondensaatorid; — maandussüsteemid; — suletud elektrikäiduala koostisse kuuluvad hooned ja tarad; — juurdekuuluvad kaitse-, juhtimis- ja abisüsteemid; — suured õhksüdamikreaktorid. MÄRKUS 2 Üldjuhul on seadmestandard selle dokumendi suhtes ülimuslik. Seda dokumenti ei rakendata järgmiste tugevvoolupaigaldiste maandussüsteemide projekteerimisel ja ehitamisel: — eri paigaldiste vahelised õhuliinid ja maa-alused liinid; — elektriraudteed ja veerem; — kaevandusseadmed ja -paigaldised; — luminofoorlamppaigaldised; — standardile IEC 60092 (kõik osad) vastavad laevade elektripaigaldised ja standardile IEC 61892 (kõik osad) vastavad mandrilavapaigaldised, mida kasutatakse avamere naftatööstuses puurimiseks, töötlemiseks ja ladustamiseks; — elektrostaatilised seadmed (nt elektrifiltrid, elektrostaatilised värvipihustid); — katsetamispaigad; — meditsiiniseadmed, nt meditsiinilised röntgenseadmed. MÄRKUS 3 Standardisari EN 50341 „Elektriõhuliinid vahelduvpingega üle 1 kV“ määratleb õhuliinide maandussüsteemide konstruktsiooni ja ehitamise nõuded. MÄRKUS 4 Selle dokumendi käsitlusala ei sisalda nõudeid pingealuste tööde sooritamise kohta tugevvoolupaigaldistes. MÄRKUS 5 Selle dokumendi käsitlusala käsitleb kõrgepingepaigaldiste ohutusnõudeid ja nende mõju madalpingepaigaldistele. Kuni 1 kV elektripaigaldisele kehtib harmoneerimisdokumendi HD 60364 sari.

EVS-EN ISO 8655-2:2022

Kolbmahumõõtevahendid. Osa 2: Pipetid
Piston-operated volumetric apparatus - Part 2: Pipettes (ISO 8655-2:2022)

Selles dokumendis määratletakse — metroloogilised nõuded, — maksimaalselt lubatavad hälbed, — nõuded märgistamisele ja — kasutajatele edastatav teave, mis puudutavad ühe ja mitme kanaliga õhkpadjaga kolbpipette (tüüp A) ja kolbpipette (tüüp D) koos nende valitud otsiku(te)ga ning kõigi muude oluliste tarvikutega, mis on ette nähtud valitud mahu väljastamiseks (Ex).

EVS-EN ISO 8655-6:2022

Kolbmahumõõtevahendid. Osa 6: Gravimeetriline tugimõõteprotseduur mahu mõõtmiseks
Piston-operated volumetric apparatus - Part 6: Gravimetric reference measurement procedure for the determination of volume (ISO 8655-6:2022)

Selles dokumendis määratletakse gravimeetriline tugimõõteprotseduur kolbmahumõõtevahendite (piston-operated volumetric apparatus, POVA) mahu mõõtmiseks. Protseduur on kohandatav terviklikele süsteemidele, mis sisaldavad põhiseadet ja kõiki seadmega kasutamiseks valitud osi, ühekordseid või korduskasutatavaid, mis on seotud sisalduva mahu mõõtmisega (In) või mõõtmisega väljastamisel (Ex).

STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.
Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest enquiry@evs.ee.

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CEN/TR 17452:2020	Natural gas fuelling stations — Guidance for implementation of European standards on CNG and LNG stations for fuelling vehicles	Maagaasi tanklad. Euroopa standardite rakendamise juhend CNG ja LNG sõidukite tanklatele
EVS-EN 50522:2022	Earthing of power installations exceeding 1 kV a.c.	Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine

UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardimis- ja Akrediteerimiskeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtvate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EL-i õigusaktide kontekstis Euroopa Komisjoni standardimisettepaneku alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardit.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate õigusaktide mõistes, et standardi kohaselt valmistatud toode täidab õigusakti olulisi nõudeid ning on üldjuhul kõige lihtsam viis tõendada õigusaktide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga õigusakti tekstist eraldi ning võib õigusaktist olenevalt erineda.

Lisainfo:
https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2014/35/EL
Madalpinge
Komisjoni rakendusotsus (EL) 2022/713,
millega muudetakse rakendusotsust (EL) 2019/1956
(EL Teataja 2022/ L 133)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 50689:2021 Lasertoodete ohutus. Erinõuded tarbijatele mõeldud lasertoodetele	10.05.2022		
EVS-EN 60335-2-15:2016/A1:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele	10.05.2022		
EVS-EN 60335-2-15:2016/A12:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele	10.05.2022		
EVS-EN 60335-2-15:2016/A2:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele	10.05.2022		
EVS-EN 60335-2-15:2016+A11+A1+A2+A12:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-15: Erinõuded vedelike kuumutamise seadmetele	10.05.2022		
EVS-EN 60335-2-21:2021/A1:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-21: Erinõuded salvestus-veesoojenditele	10.05.2022		
EVS-EN 60335-2-21:2021+A1:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-21: Erinõuded salvestus-veesoojenditele	10.05.2022		
EVS-EN 60335-2-27:2014/AC:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-27: Erinõuded naha kiiritusseadmetele, mis põhinevad optilisel kiirgusel	10.05.2022		
EVS-EN 60335-2-35:2016/A2:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele	10.05.2022		
EVS-EN 60335-2-35:2016+A1+A2:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-35: Erinõuded vee kiirkeetjatele	10.05.2022		
EVS-EN 60335-2-54:2009/A12:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru	10.05.2022		

EVS-EN 60335-2-54:2009/A2:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru	10.05.2022		
EVS-EN 60335-2-54:2009+A11+A1+A12+A2:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru	10.05.2022		
EVS-EN 60335-2-61:2003/A12:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-61: Erinõuded termiliste laoruumide küttekehadele	10.05.2022		
EVS-EN 61009-1:2012/A13:2021 Rikkevoolukaitselülitid sisseehitatud liigvoolukaitsega, kasutamiseks majapidamises ja muudel taolistel juhtudel. Lisa N: Lisanõuded ja -katsetused sisseehitatud liigvoolukaitsega rikkevoolukaitselülitite kohta, mis sisaldavad üht rikkevoolukaitse funktsiooni ja mitut sõltumatut kahepooluselise liigvoolukaitse funktsiooni	10.05.2022		
EVS-EN IEC 60320-1:2021 Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 1: Üldnõuded	10.05.2022	EN 60320-1:2001; EN 60320-1:2001/A1:2007	10.11.2023
EVS-EN IEC 60335-2-105:2021 Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele	10.05.2022	EN 60335-2-105:2005; EN 60335-2-105:2005/A11:2010; EN 60335-2-105:2005/A1:2008; EN 60335-2-105:2005/A2:2020	10.11.2023
EVS-EN IEC 60335-2-105:2021/A1:2021 Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele	10.05.2022		
EVS-EN IEC 60335-2-105:2021/A11:2021 Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele	10.05.2022		
EVS-EN IEC 60335-2-25:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-25: Erinõuded mikrolaineahjudele, sealhulgas kombinatsioon-mikrolaineahjudele	10.05.2022	EN 60335-2-25:2012; EN 60335-2-25:2012/A1:2015; EN 60335-2-25:2012/A2:2016	10.11.2023
EVS-EN IEC 60335-2-25:2021/A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-25: Erinõuded mikrolaineahjudele, sealhulgas kombinatsioon- mikrolaineahjudele	10.05.2022		
EVS-EN IEC 60335-2-25:2021+A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-25: Erinõuded mikrolaineahjudele, sealhulgas kombinatsioon-mikrolaineahjudele	10.05.2022		
EVS-EN IEC 60335-2-29:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele	10.05.2022	EN 60335-2-29:2004; EN 60335-2-29:2004/A2:2010; EN 60335-2-29:2004/A11:2018	10.11.2023
EVS-EN IEC 60335-2-29:2021/A1:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele	10.05.2022		
EVS-EN IEC 60335-2-29:2021+A1:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele	10.05.2022		
EVS-EN IEC 60335-2-41:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele	10.05.2022	EN 60335-2-41:2003; EN 60335-2-41:2003/A1:2004; EN 60335-2-41:2003/A2:2010	10.11.2023
EVS-EN IEC 60335-2-41:2021/A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele	10.05.2022		
EVS-EN IEC 60335-2-41:2021+A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele	10.05.2022		
EVS-EN IEC 60335-2-84:2021	10.05.2022	EN 60335-2-84:2003; EN 60335-2-84:2003/A1:2008;	10.11.2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele		EN 60335-2-84:2003/A2:2019	
EVS-EN IEC 60335-2-84:2021/A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele	10.05.2022		
EVS-EN IEC 60335-2-84:2021+A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele	10.05.2022		
EVS-EN IEC 60335-2-96:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele	10.05.2022	EN 60335-2-96:2002; EN 60335-2-96:2002/A1:2004; EN 60335-2-96:2002/A2:2009	10.11.2023
EVS-EN IEC 60335-2-96:2021/A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele	10.05.2022		
EVS-EN IEC 60335-2-96:2021+A11:2021 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele	10.05.2022		
EVS-EN IEC 60974-8:2021 Kaarkeevitusseadmed. Osa 8: Keevitus- ja plasmalõikesüsteemide gaasivoolu juhtseadmed	10.05.2022	EN 60974-8:2009	10.11.2023
EVS-EN IEC 61010-2-011:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele	10.05.2022		
EVS-EN IEC 61010-2-011:2021/A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele	10.05.2022		
EVS-EN IEC 61010-2-011:2021+A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele	10.05.2022		
EVS-EN IEC 61010-2-032:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-032: Erinõuded käeshoitavatele ja käsitsi manipuleeritavatele elektrilisteks katsetusteks ja mõõtmisteks kasutatavatele vooluanduritele	10.05.2022	EN 61010-2-032:2012	10.11.2023
EVS-EN IEC 61010-2-032:2021/A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-032: Erinõuded käeshoitavatele ja käsitsi manipuleeritavatele elektrilisteks katsetusteks ja mõõtmisteks kasutatavatele vooluanduritele	10.05.2022		
EVS-EN IEC 61010-2-032:2021+A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-032: Erinõuded käeshoitavatele ja käsitsi manipuleeritavatele elektrilisteks katsetusteks ja mõõtmisteks kasutatavatele vooluanduritele	10.05.2022		
EVS-EN IEC 61010-2-033:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget	10.05.2022	EN 61010-2-033:2012	10.11.2023
EVS-EN IEC 61010-2-033:2021/A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget	10.05.2022		
EVS-EN IEC 61010-2-033:2021+A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget	10.05.2022		

EVS-EN IEC 61010-2-040:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-040: Erinõuded meditsiinimaterjalide töötlemiseks kasutavatele sterilisaatoritele ja desinfitseerimis-pesuseadmetele	10.05.2022	EN 61010-2-040:2005	10.11.2023
EVS-EN IEC 61010-2-091:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele	10.05.2022	EN 61010-2-091:2012; EN 61010-2-091:2012/AC:2013	10.11.2023
EVS-EN IEC 61010-2-091:2021/A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele	10.05.2022		
EVS-EN IEC 61010-2-091:2021+A11:2021 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele	10.05.2022		
EVS-EN IEC 61347-2-14:2018 Lampide juhtimisseadised. Osa 2-14: Erinõuded luminofoor-induktsioonlampide alalis- ja/või vahelduvvoolutoitelistele juhtimisseadistele	10.05.2022		
EVS-EN IEC 61347-2-14:2018/A11:2021 Lampide juhtimisseadised. Osa 2-14: Erinõuded luminofoor-induktsioonlampide alalis- ja/või vahelduvvoolutoitelistele juhtimisseadistele	10.05.2022		
EVS-EN IEC 61851-1:2019 Elektrisõidukite juhtivuslik laadimissüsteem. Osa 1: Üldnõuded	03.08.2020	EN 61851-22:2002	10.11.2023
EVS-EN IEC 61914:2021 Elektripaigaldiste kaabliklambrid	10.05.2022	EN 61914:2016	10.11.2023
EVS-EN IEC 62031:2020 Üldtarbevalgustuse leedmoodulid. Ohutusnõuded	10.05.2022	EN 62031:2008; EN 62031:2008/A1:2013; EN 62031:2008/A2:2015	10.11.2023
EVS-EN IEC 62031:2020/A11:2021 Üldtarbevalgustuse leedmoodulid. Ohutusnõuded	10.05.2022		
EVS-EN IEC 62031:2020+A11:2021 Üldtarbevalgustuse leedmoodulid. Ohutusnõuded	10.05.2022		

Määrus 2017/746
In vitro diagnostikameditsiiniseadmed

Komisjoni rakendusotsus (EL) 2022/729,
millega muudetakse rakendusotsust (EL) 2021/1195
(EL Teataja 2022/ L 135)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN ISO 13485:2016/AC:2018 Meditsiiniseadmed. Kvaliteedijuhtimissüsteemid. Normatiivsed nõuded	07.01.2022		
EVS-EN ISO 14971:2019 Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele	12.05.2022		
EVS-EN ISO 14971:2019/A11:2021 Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele	12.05.2022		
EVS-EN ISO 14971:2019+A11:2021 Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele	12.05.2022		