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Uued Eesti standardid

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Algupäraste standardite koostamine ja ülevaatus

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01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 4500-001:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 001: General rules

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 001 specifies the "General rules" framework valid for all parts.

Keel: en
Alusdokumendid: EN 4500-001:2024
Asendab dokumenti: EVS-EN 4500-001:2012

EVS-EN 4500-002:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 002: Specific rules for aluminium, aluminium alloys and magnesium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 002 specifies the "Specific rules for aluminium, aluminium alloys and magnesium alloys".

Keel: en
Alusdokumendid: EN 4500-002:2024

EVS-EN 4500-003:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 003: Specific rules for heat resisting alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 003 specifies the "Specific rules for heat resisting alloys".

Keel: en
Alusdokumendid: EN 4500-003:2024
Asendab dokumenti: EVS-EN 4500-003:2012

EVS-EN 4500-004:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 004: Specific rules for titanium and titanium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 004 specifies the "Specific rules for titanium and titanium alloys".

Keel: en
Alusdokumendid: EN 4500-004:2024
Asendab dokumenti: EVS-EN 4500-004:2012

EVS-EN 4500-005:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 005: Specific rules for steels

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 005 specifies the "Specific rules for steels".

Keel: en
Alusdokumendid: EN 4500-005:2024
Asendab dokumenti: EVS-EN 4500-005:2012

EVS-EN 4500-006:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 006: Specific rules for filler metals for brazing

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 006 specifies the "Specific rules for filler metals for brazing".

Keel: en
Alusdokumendid: EN 4500-006:2024

EVS-EN ISO 18497-1:2024

Põllumajandusmasinad ja traktorid. Osaliselt automatiseeritud, osaliselt isejuhtivate ja isejuhtivate masinate ohutus. Osa 1: Masinate konstrueerimise põhimõtted ja sõnavara
Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 1: Machine design principles and vocabulary (ISO 18497-1:2024)

This document specifies principles for the design of agricultural machinery and tractors that are used in agricultural applications and that have partially automated, semi-autonomous and autonomous functions. Additionally, it provides guidance on the type of information to be provided by the manufacturer on safe working practices (including information about residual risks). The purpose of this document is to assist in the provision of more specific safety requirements, means of verification and information for use to ensure an appropriate level of safety for agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions used in a specified way. This document deals with the significant hazards relevant to agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions when used as intended and under the conditions of misuse reasonably foreseeable by the manufacturer during normal operation and service. Applicability of the design principles and any additional detailed requirements for design, verification, validation or information for use are outside the scope of this document. When risk assessment concludes that hazards are not significant hazards, the principles of this document do not apply. NOTE Safety requirements for specific non-automated functions of agricultural machinery and tractors can be available in machine-specific type-C standards. This document is not applicable to: — forestry applications; — operations on public roads including relevant requirements for braking and steering systems. This document is not applicable to agricultural machinery and tractors which are manufactured before the date of its publication, or to systems applied to agricultural machinery and tractors put into use before the date of its publication.

Keel: en
Alusdokumendid: ISO 18497-1:2024; EN ISO 18497-1:2024
Asendab dokumenti: EVS-EN ISO 18497:2018

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 19590:2024

Nanotechnologies - Characterization of nano-objects using single particle inductively coupled plasma mass spectrometry (ISO/TS 19590:2024)

This document specifies parameters, conditions and considerations for the reliable detection, characterization and quantification of nano-objects in aqueous suspension by spICP-MS. Particle number concentration, particle mass, particle mass concentration, particle spherical equivalent diameter, and number-based size distribution are considered the main measurands, but the technique also allows for determination of the dissolved element mass fraction in the sample. This document provides general guidelines and procedures related to spICP-MS application, and specifies minimal reporting requirements.

Keel: en
Alusdokumendid: ISO/TS 19590:2024; CEN ISO/TS 19590:2024
Asendab dokumenti: CEN ISO/TS 19590:2019

EVS-EN ISO 22174:2024

Microbiology of the food chain - Polymerase chain reaction (PCR) for the detection and quantification of microorganisms - General requirements and definitions (ISO 22174:2024)

This International Standard gives the general requirements for the in vitro amplification of nucleic acid sequences (DNA or RNA). It is applicable to the testing of foodstuffs and isolates obtained from foodstuffs for food-borne microorganisms using the polymerase chain reaction (PCR). The minimum requirements laid down in this International Standard are intended to ensure that comparable and reproducible results are obtained in different laboratories. This International Standard has been established for food-borne microorganisms in or isolated from food and feed matrices and is applicable to: — products intended for human consumption, — products intended for animal feeding, — environmental samples in the area of food and feed production, handling, and — samples from the primary production stage.

Keel: en
Alusdokumendid: EN ISO 22174:2024; ISO 22174:2024
Asendab dokumenti: EVS-EN ISO 22174:2005

11 TERVISEHOOLDUS

EVS-EN IEC 61674:2024

Medical electrical equipment - Dosimeters with ionization chambers and/or semiconductor detectors as used in X-ray diagnostic imaging

IEC 61674:2024 specifies the performance and some related constructional requirements of DIAGNOSTIC DOSIMETERS intended for the measurement of AIR KERMA, AIR KERMA LENGTH PRODUCT or AIR KERMA RATE, in photon radiation fields used in medical X-ray imaging, such as RADIOGRAPHY, RADIOSCOPY and COMPUTED TOMOGRAPHY (CT), for X-RADIATION with generating potentials in the range of 20 kV to 150 kV. This document is applicable to the performance of DOSIMETERS with VENTED IONIZATION CHAMBERS and/or SEMICONDUCTOR DETECTORS as used in X-ray diagnostic imaging. IEC 61674:2024 cancels and replaces the second edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) for mammography, the manufacturer specifies the REFERENCE VALUE for the RADIATION QUALITY; b) for mammography, the manufacturer provides the MINIMUM RATED RANGE of RADIATION QUALITIES for the compliance test on energy dependence of response; c) the compliance test for analogue displays was removed; d) the compliance tests for range reset, the effect of leakage and

recombination losses were removed. These tests are already covered by the test on linearity and cannot be conducted for modern devices. The estimation of COMBINED STANDARD UNCERTAINTY was changed accordingly; e) the compliance test for mains rechargeable and battery-operated dosimeters were updated for modern devices

Keel: en
Alusdokumendid: IEC 61674:2024; EN IEC 61674:2024
Asendab dokumenti: EVS-EN 61674:2013

EVS-EN ISO 23500-1:2024

Preparation and quality management of fluids for haemodialysis and related therapies - Part 1: General requirements (ISO 23500-1:2024)

This document specifies the general requirements for the preparation of fluids for haemodialysis and related therapies and substitution fluid for use in online therapies, such as haemodiafiltration and haemofiltration, for dialysis practitioners. This document gives guidance on the user's responsibility for fluids used in haemodialysis and related therapies once the equipment used in its preparation has been delivered and installed. As dialysis water used to prepare dialysis fluid can also be used to reprocess dialysers not marked intended for single use, this aspect of water use is also covered by this document. This document is applicable to — the quality management of equipment used to treat and distribute water used for the preparation of dialysis fluid and substitution fluid, from the point at which municipal water enters the dialysis facility to the point at which the final dialysis fluid enters the dialyser or the point at which substitution fluid is infused. — the quality management of the equipment used to prepare acid and bicarbonate concentrate from powdered or other highly concentrated media at a dialysis facility, and — the preparation of the final dialysis fluid or substitution fluid from dialysis water and concentrates. This document does not apply to — sorbent-based dialysis fluid regeneration systems that regenerate and recirculate small volumes of dialysis fluid, — systems for continuous renal replacement therapy that use pre-packaged solutions, and — systems and solutions for peritoneal dialysis. This document does not address clinical issues associated with inappropriate usage of such fluids.

Keel: en
Alusdokumendid: ISO 23500-1:2024; EN ISO 23500-1:2024
Asendab dokumenti: EVS-EN ISO 23500-1:2019

EVS-EN ISO 80369-2:2024

Meditsiinis kasutatavad väikseavalised liitmikud vedelikele ja gaasidele. Osa 2: Liitmikud respiratoorseteks rakendusteks

Small-bore connectors for liquids and gases in healthcare applications - Part 2: Connectors for respiratory applications (ISO 80369-2:2024)

This document specifies the design and dimensions for two small-bore connectors intended to be used for connections in respiratory applications of medical devices and accessories. One connector (R1) is intended for use on medical devices and accessories subjected to pressures up to 15 kPa (e.g. a breathing system). The other connector (R2) is intended for use on medical devices and accessories subjected to higher pressures between 15 kPa and 600 kPa (e.g. oxygen therapy tubing). NOTE 1 The pressure is related to pressure available at the source to which the medical device is connected. NOTE 2 The intended application does not preclude the use of other connectors on medical devices or accessories within this application. NOTE 3 Requirements for alternative connectors for this intended application are specified in ISO 80369-1. This document does not specify requirements for the medical devices or accessories that use these connectors. Such requirements are given in device-specific standards. NOTE 4 If a device-specific standard does not exist, the performance and material requirements specified in ISO 80369-1 can be used as guidance.

Keel: en
Alusdokumendid: ISO 80369-2:2024; EN ISO 80369-2:2024

EVS-EN ISO 80601-2-79:2024

Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO 80601-2-79:2024)

This document applies to the basic safety and essential performance of ventilatory support equipment, as defined in 201.3.205, for ventilatory impairment, as defined in 201.3.202, hereafter also referred to as me equipment, in combination with its accessories: — intended for use in the home healthcare environment; — intended for use by a lay operator; and — intended for use with patients who have ventilatory impairment, the most fragile of these patients, would not likely experience injury with the loss of this artificial ventilation; and — not intended for patients who are dependent on artificial ventilation for their immediate life support. EXAMPLE 1 Patients with mild to moderate chronic obstructive pulmonary disease (COPD). NOTE 1 In the home healthcare environment, the supply mains is often not reliable. NOTE 2 Such ventilatory support equipment can also be used in non-critical care applications of professional health care facilities. This document is also applicable to those accessories intended by their manufacturer to be connected to the breathing system of ventilatory support equipment for ventilatory impairment, where the characteristics of those accessories can affect the basic safety or essential performance of the ventilatory support equipment for ventilatory impairment. EXAMPLE 2 Breathing sets, connectors, water traps, expiratory valve, humidifier, breathing system filter, external electrical power source, distributed alarm system. If a clause or subclause is specifically intended to be applicable to me equipment only, or to me systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to me equipment and to me systems, as relevant. Hazards inherent in the intended physiological function of me equipment or me systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012, 7.2.13 and 8.4.1. NOTE 3 Additional information can be found in IEC 60601-1:2005+AMD1:2012, 4.2. This document does not specify the requirements for: — ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12; — ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[4]; — ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84 [5] [1], the future replacement for ISO 10651-3[6]; — ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in

ISO 80601-2-72; — ventilatory support equipment or accessories intended for ventilatory insufficiency, which are given in ISO 80601-2-80[1]; — sleep apnoea therapy me equipment, which are given in ISO 80601-2-70[7]; — continuous positive airway pressure (CPAP) me equipment; — high-frequency jet ventilators (HFJVs); — high-frequency oscillatory ventilators (HFOVs)[8]; — oxygen therapy constant flow me equipment; — cuirass or "iron-lung" ventilation equipment. This document is a document in the IEC 60601 and IEC/ISO 80601 series of documents. [1] Under preparation. Stage at the time of publication: ISO/DIS 80601-2-84:2017.

Keel: en
Alusdokumendid: EN ISO 80601-2-79:2024; ISO 80601-2-79:2024
Asendab dokumenti: EVS-EN ISO 80601-2-79:2019

EVS-EN ISO 80601-2-80:2024

Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO 80601-2-80:2024)

This document applies to the basic safety and essential performance of ventilatory support equipment, as defined in 201.3.205, for ventilatory insufficiency, as defined in 201.3.204, hereafter also referred to as me equipment, in combination with its accessories: — intended for use in the home healthcare environment; — intended for use by a lay operator; — intended for use with patients who have ventilatory insufficiency or failure, the most fragile of which would likely experience injury with the loss of this artificial ventilation; — intended for transit-operable use; — not intended for patients who are dependent on artificial ventilation for their immediate life support. EXAMPLE 1 Patients with moderate to severe chronic obstructive pulmonary disease (COPD), moderate amyotrophic lateral sclerosis (ALS), severe bronchopulmonary dysplasia or muscular dystrophy. NOTE 1 In the home healthcare environment, the supply mains is often not reliable. NOTE 2 Such ventilatory support equipment can also be used in non-critical care applications of professional health care facilities. This document is also applicable to those accessories intended by their manufacturer to be connected to the ventilator breathing system of ventilatory support equipment for ventilatory insufficiency, where the characteristics of those accessories can affect the basic safety or essential performance of the ventilatory support equipment for ventilatory insufficiency. EXAMPLE 2 Breathing sets, connectors, water traps, expiratory valve, humidifier, breathing system filter, external electrical power source, distributed alarm system. If a clause or subclause is specifically intended to be applicable to me equipment only, or to me systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to me equipment and to me systems, as relevant. Hazards inherent in the intended physiological function of me equipment or me systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012, 7.2.13 and 8.4.1. NOTE 3 Additional information can be found in IEC 60601-1:2005+AMD1:2012, 4.2. This document does not specify the requirements for: — ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12; — ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[5]; — ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84[6][1], the future replacement for ISO 10651-3[7]; — ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72; — ventilatory support equipment or accessories intended for ventilatory impairment, which are given in ISO 80601-2-79[1]; — sleep apnoea therapy me equipment, which are given in ISO 80601-2-70[8]; — continuous positive airway pressure (CPAP) me equipment; — high-frequency jet ventilators (HFJVs); — high-frequency oscillatory ventilators (HFOVs)[9]; — oxygen therapy constant flow me equipment; — cuirass or "iron-lung" ventilation equipment. This document is a particular standard in the IEC 60601 and IEC/ISO 80601 series of documents. [1] Under preparation. Stage at the time of publication: ISO/DIS 80601-2-84:2017.

Keel: en
Alusdokumendid: EN ISO 80601-2-80:2024; ISO 80601-2-80:2024
Asendab dokumenti: EVS-EN ISO 80601-2-80:2019

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 18053-1:2024

Digital Chain of Custody for CBRNE Evidence — Part 1: Overview and Concepts

This document provides guidance for technical and non-technical personnel within the organisation, including those responsible for compliance with statuary and regulatory requirements and industry standards. It provides an overview to the concepts related to the custody transfer lifecycle within the dCoC, framing how such personnel can identify and audit the custody ownership of CBRNE evidence; set policies and follow good practices for metadata governance, and conduct digital operations to ensure the integrity of the data at each custody transfer point. In addition to the metadata required to perform audits, the document also aims to provide: - Unambiguous definitions of the concepts related to the digital log for each custody transfer (i.e., who owns the custody at each transfer point). - Guidelines for a dCoC data governance process to ensure the integrity of the DCM and situational-awareness at each transfer point within the dCoC. - Suggestions regarding metadata management policies and compliance with good practices for non-repudiation digital log, ensuring a standard data structure for data management and auditing This document is the first part of a series of Technical Specifications on the provision of DCM services for the management of datarelated to the custody of CBRNE evidence. It will be complemented by other specific parts, which give more detailed guidelines for related services, such as the specification of BPMN processes for data governance within the dCoC.

Keel: en
Alusdokumendid: CEN/TS 18053-1:2024

CEN/TS 18053-2:2024

Digital Chain of Custody for CBRNE Evidence — Part 2: Data Management and Audit

This document provides guidelines for managing and auditing Digital Custody Metadata (DCM), enabling stakeholders to identify and audit custody ownership for CBRNE evidence in the dCoC. It proposes a metadata structure to manage resources assigned

to CBRNE evidence and comply with good data governance practices, raising awareness at each custody transfer point. In addition to considering using the Business Process Model and Notation (BPMN) to specify metadata management processes, therelevance of standard procedures to overcome DCM-related challenges is also addressed. In this domain, the focus is on the metadata structures required to manage digital asset custodians while outlining some of the activities that should be considered when specifying a DCM governance workflow. This document is the second part of a series of technical specifications for the provision of DCM services for managing data related to the preservation of CBRNE evidence. Please see the first part of this series for a complete understanding of the concepts and stakeholders' role within the custody transfer lifecycle.

Keel: en
Alusdokumendid: CEN/TS 18053-2:2024

EVS-EN IEC 62676-5-1:2024

Video surveillance systems for use in security applications - Part 5-1: Data specifications and image quality performance for camera devices - Environmental test methods for image quality performance

IEC 62676-5-1:2024 defines measuring methods for performance values of video surveillance camera equipment and defines image quality tests under the given temperature and humidity environment. This document is mainly targeting cameras with integrated lenses as the lenses are a major component that can impact the results. If the lens is selectable, the lens will be stated together with the results.

Keel: en
Alusdokumendid: IEC 62676-5-1:2024; EN IEC 62676-5-1:2024

EVS-EN ISO 23611-5:2024

Soil quality - Sampling of soil invertebrates - Part 5: Sampling and extraction of soil macro-invertebrates (ISO 23611-5:2024)

This document specifies a method for sampling, extracting and preserving macro-invertebrates from soils, including the litter zone. The sampling and extraction methods in this document are applicable to almost all types of soil, with the exception of soils in extreme climatic conditions (hard, frozen or flooded soils) and matrices other than soil, e.g. tree trunks, plants or lichens.

Keel: en
Alusdokumendid: ISO 23611-5:2024; EN ISO 23611-5:2024
Asendab dokumenti: EVS-EN ISO 23611-5:2013

EVS-EN ISO 9241-5:2024

Ergonomics of human-system interaction - Part 5: Workstation layout and postural requirements (ISO 9241-5:2024)

This part of ISO 9241 specifies ergonomic guiding principles which apply to the user requirements, design, and procurement of workstation equipment for using interactive systems with visual displays. In particular, the general principles and requirements specified in this part of ISO 9241 apply to the standards specifying technical design of furniture and equipment constituting the workplace. They are intended for use by product and workstation designers and implementers.

Keel: en
Alusdokumendid: EN ISO 9241-5:2024; ISO 9241-5:2024
Asendab dokumenti: EVS-EN ISO 9241-5:2004

EVS-ISO 12039:2024

Paiksete saasteallikate heited. Süsinikmonooksiidi, süsinikdioksiidi ja hapniku määramine suitsugaasides. Automaatmõõteseadmete efektiivsuse näitajad
Stationary source emissions -- Determination of the mass concentration of carbon monoxide, carbon dioxide and oxygen in flue gas -- Performance characteristics of automated measuring systems (ISO 12039:2019, identical)

See dokument määrab kindlaks süsinikmonooksiidi (CO), süsinikdioksiidi (CO2) ja hapniku (O2) automaatsete mõõtesüsteemide põhistruktuuri ja kõige olulisemad karakteristikad, mida kasutatakse paiksete allikate heitmete korral. Selles dokumendis kirjeldatakse nende gaaside kontsentratsioonide mõõtmise meetodeid ja seadmeid Antud meetod võimaldab CO, CO2 ja O2 suitsugaaside kontsentratsiooni pidevat seiret püsivalt paigaldatud mõõtesüsteemidega. See rahvusvaheline standard kirjeldab gaasi väljavõtuga(ekstraktiivse) ja mitteekstraktiivse (saasteallikasiseste (in situ)) süsteeme erinevate analüsaatoritega, mille töö põhineb näiteks järgmistel meetoditel: — infrapuna kiirguse neeldumise mõõtmine (CO ja CO2); — paramagnetismi mõõtmine (O2); —tsirkoonium oksiidi meetod (O2); —elektrokeemiline rakk (O2); — timmlaser spektroskoopia (TLS) (CO, CO2 ja O2). Kasutada võib ka muid mõõtemeetodeid, eeldusel, et need vastavad selles dokumendis sätestatud miinimumnõuetele. Eespool loetletud meetoditel põhinevat automaatmõõtesüsteemi (AMS) on selles rakenduses sobivate mõõtevahemike jaoks näidatud lisas G.

Keel: en
Alusdokumendid: ISO 12039:2019
Asendab dokumenti: EVS-ISO 12039:2006

EVS-ISO 7935:2024

Paiksete heiteallikate heited. Vääveldioksiidi massikontsentratsiooni määramine suitsugaasides. Automaatmõõteseadmete efektiivsuse näitajad
Stationary source emissions — Determination of the mass concentration of sulfur dioxide in flue gases — Performance characteristics of automated measuring systems (ISO 7935:2024, identical)

Selles dokumendis täpsustatakse paiksete heiteallikate emissioonigaaside mõõtmiste juures kasutatavate vääveldioksiidide (SO2) automaatmõõtesüsteemi (AMS-i) põhikonstruktsiooni ja peamisi efektiivsuse näitajaid. Antud meetod võimaldab suitsugaasides SO2 kontsentratsiooni pidevat seiret püsivalt paigaldatud mõõtesüsteemidega. See dokument kirjeldab gaasi väljavõtuga (ekstraktiivseid) ja mitteekstraktiivseid (saasteallikasiseseid (in situ)) süsteeme erinevate analüsaatoritega, mille töö põhineb näiteks järgmistel meetoditel: — dispersioonita infrapunaspektroskoopia (NDIR); — Fourier'i teisendusega infrapuna (FTIR) spektroskoopia; — laserspektroskoopia meetodid või timmlaser-spektroskoopia (TLS); — dispersioonita ultraviolettspektroskoopia (NDUV); — diferentsiaalne optiline absorptsioonspektromeetria (DOAS). Kasutada võib ka muid samaväärseid mõõtemeetodeid, eeldusel, et need vastavad selles dokumendis sätestatud miinimumnõuetele. Mõõtesüsteemi saab valideerida võrdlusmaterjalidega vastavalt sellele dokumendile või võrreldavate meetoditega. Eespool loetletud meetoditel põhinevat automaatmõõtesüsteemi (AMS) on selles rakenduses sobivate mõõtevahemike jaoks näidatud lisas E.

Keel: en
Alusdokumendid: ISO 7935:2024
Asendab dokumenti: EVS-ISO 7935:2006

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 63412-1:2024

Ultrasonics - Shear-wave elastography - Part 1: Specifications for the user interface

IEC 63412-1:2024 specifies quantities and parameters which it is essential to provide to the user of shear-wave elastography systems, many in the image headers. This document is applicable to medical-diagnostic, ultrasonic shear-wave elastography systems, exciting (internally or externally) shear waves and tracking their propagation within biological tissue.

Keel: en
Alusdokumendid: IEC 63412-1:2024; EN IEC 63412-1:2024

EVS-ISO 9613-2:2024

Akustika. Heli sumbumine välistingimustes leviku korral. Osa 2: Tehniline meetod helirõhutasemete hindamiseks välistingimustes
Acoustics — Attenuation of sound during propagation outdoors — Part 2: Engineering method for the prediction of sound pressure levels outdoors (ISO 9613-2:2024, identical)

See dokument täpsustab tehnilist meetodit heli sumbumise arvutamiseks müra levimisel välistingimustes, et määrata keskkonnamüra taset müraallikatest eri kaugustel. Meetod võimaldab määrata samaväärse pideva A-korrigeeritud helirõhu taset (nagu on kirjeldatud ISO 1996 standardisarjas) meteotingimustes, mis soodustavad helide levimist teadaolevatest allikatest. Need tingimused on ette nähtud kasutamiseks heli allatuult levimisel või samaväärseks levimiseks hariliku mõõduka temperatuuri inversiooni korral maapinnal, nagu tavaliselt on selgetel ja vaiksetel öödel. Inversiooni tingimused laialdaste veepindade kohal ei ole kaetud ja võivad põhjustada kõrgema helirõhutaseme, kui on eeldatud selles dokumendis (vt nt viited [11] ja [12]). Meetod võimaldab määrata ka pikaajalist keskmist A-korrigeeritud helirõhutaset, nagu on täpsustatud standardites ISO 1996-1 ja ISO 1996-2. Pikaajaline keskmine A-korrigeeritud helirõhutase hõlmab hindamise võimalusi mitmesuguste meteotingimuste jaoks. Antud on juhised meteoroloogilise korrektsiooni tuletamiseks, mis põhinevad tuule nurkjaotusel, mis on asjakohased võrdlus- või pikaajalise ajavahemiku jaoks, nagu on määratletud standardis ISO 1996-1:2016, 3.2.1 ja 3.2.2. Võrdlusajavahemike näideteks on päev, öö või öötund, mille helirõhutaseme väärtus on suurim. Pikaajalised ajavahemikud, mille jooksul keskmistatakse või hinnatakse võrdlusajavahemike heli, moodustavad olulise osa aastast (nt 3 kuud, 6 kuud või 1 aasta). Selles dokumendis täpsustatud meetod koosneb konkreetselt oktaavribade algoritmidest (nominaalsagedusega 63 Hz kuni 8 kHz) punktallikast või punktallikate kogumist pärit heli sumbumise arvutamiseks. Allikas (või allikad) võivad olla liikuvad või paiksed. Järgmistele füüsikalistele mõjudele kasutatakse algoritmides spetsiifilisi termineid: — geomeetriline erinevus, — atmosfääris neeldumine, — maapinna mõju, — peegeldus pindadelt, — takistuste hindamine. Lisateave taimestiku, tööstusalade ja hoonete kaudu levimise kohta on esitatud lisas A. Korstnapitside suunatavus tööstusobjektide heliprognooside toetamiseks on lisatud lisasse B. Näide, kuidas saab kohaliku tuuleklimatoloogia põhjal määrata kaugmaa meteoroloogilist korrektsiooni C0, on toodud lisas C. Viimaste aastakümnete kogemused, kuidas tuuleturbiinide tekitatud helirõhutasemeid ennustada, on kokku võetud lisas D. Meetodit saab praktikas kasutada väga paljude müraallikate ja keskkondade jaoks. See on otseselt või kaudselt rakendatav enamikus olukordades, mis on seotud maantee- või raudteeliikluse, tööstusliku müra allikate, ehitustegevuse ja paljude muude maapinnal asuvate müraallikatega. Seda ei kohaldata lennu ajal õhusõidukite tekitatava heli ega kaevanduse, militaar- või muude samalaadsete toimingute tekitatud lööklainete suhtes. Selles dokumendis kirjeldatud meetodi rakendamiseks allika oktaavriba helivõimsustaseme leviku kohta olulistes suundades on vaja teada mitut parameetrit, nagu müraallika ja keskkonna geomeetria ja maapinna omadused. Kui on teada ainult allikate A-korrigeeritud helivõimsustasemed, võib kasutada hindamisel sumbumise tingimustena 500 hertsile vastavat sumbumist. Meetodi täpsust ja selle praktikas kasutamise piiranguid kirjeldatakse peatükis 9.

Keel: en
Alusdokumendid: ISO 9613-2:2024
Asendab dokumenti: EVS-ISO 9613-2:2006
Asendab dokumenti: EVS-ISO 9613-2:2006/AC:2020

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 12560-1:2024

Flanges and their joints - Dimensions of gaskets for Class-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts

This document specifies the dimensions, types, designation and marking of non-metallic flat gaskets, with or without inserts, for flanges in accordance with EN 1759-1, EN 1759-3 and EN 1759-4, for Class 150, Class 300, Class 600 and Class 900 for nominal sizes DN 15 to DN 600. In addition, this document also gives guidance on typical materials used and how they should be marked.

Keel: en
Alusdokumendid: EN 12560-1:2024
Asendab dokumenti: EVS-EN 12560-1:2001

EVS-EN 1514-1:2024

Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts

This document specifies non-metallic flat gaskets, with or without inserts, for use with flanges in accordance with EN 1092-1, EN 1092-2, EN 1092-3 and EN 1092-4, and pipes and fittings in accordance with EN 545, EN 598, and EN 969, for pressure application up to and including PN 63 values and dimensions up to and including DN 4000. In addition, this document also gives guidance on typical materials used and how they should be marked.

Keel: en
Alusdokumendid: EN 1514-1:2024
Asendab dokumenti: EVS-EN 1514-1:1999

EVS-EN ISO 13351:2024

Fans - Dimensions (ISO 13351:2024)

This document specifies the dimensions of the circular and rectangular flanges of general-purpose fans, as well as the fan size designations. It is not applicable to cross-flow fans or to fan appliances used for individual household or similar applications. For circular flanges, it provides for three different flange series: one for light-duty casing thicknesses, another for medium-duty fans and the third for heavy-duty fans as used on sea-going vessels or in heavy industry. In order not to restrict fan design unduly, only the pitch diameter, hole numbers and hole diameters are specified. Flange thickness, as well as internal and external flange diameters, can be chosen freely within the limits of good engineering practice.

Keel: en
Alusdokumendid: ISO 13351:2024; EN ISO 13351:2024
Asendab dokumenti: EVS-EN ISO 13351:2010

EVS-EN ISO 15995:2021/A1:2024

Gas cylinders - Specifications and testing of LPG cylinder valves - Manually operated - Amendment 1 (ISO 15995:2021/Amd 1:2024)

Amendment to EN ISO 15995:2021

Keel: en
Alusdokumendid: ISO 15995:2021/Amd 1:2024; EN ISO 15995:2021/A1:2024
Muudab dokumenti: EVS-EN ISO 15995:2021

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 62841-2-12:2024+A11:2024

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-12: Erinõuded käeshoitavatele betoonivibraatoritele
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-12: Particular requirements for hand-held concrete vibrators (IEC 62841-2-12:2024)

IEC 62841-1:2014, Clause 1 is applicable, except as follows. Addition: This document applies to hand-held concrete vibrators. Concrete vibrators or parts of them immersed in concrete during normal use are considered not to cause any hazard due to noise. NOTE Transportable concrete vibrators or concrete vibrators where the vibrator bottle is driven by a transportable motor either standing on ground or carried on the back of the operator are not covered by this document.

Keel: en
Alusdokumendid: IEC 62841-2-12:2024; EN IEC 62841-2-12:2024; EN IEC 62841-2-12:2024/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 62841-2-12:2024
Konsolideerib dokumenti: EVS-EN IEC 62841-2-12:2024/A11:2024

EVS-EN IEC 62841-2-7:2024

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-7: Erinõuded käesoitavatele püstolpihustitele
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirements for hand-held spray guns

IEC 62841-2-7:2024 deals with the safety of electric motor-operated hand-held spray guns for non-flammable materials. The rated voltage is not more than 250 V for single-phase a.c. or d.c. tools, and 480 V for three-phase a.c. tools. The rated input is not more than 3 700 W. The limits for the applicability of this standard for battery tools are given in K.1 and L.1. This standard deals with the hazards presented by tools which are encountered by all persons in the normal use and reasonably foreseeable misuse of the tools. Hand-held electric tools, which can be mounted on a support or working stand for use as fixed tools without any alteration of the tool itself, are within the scope of this standard and such combination of a hand-held tool and a support is considered to be a transportable tool and thus covered by the relevant Part 3. This Part 2-7 is to be used in conjunction with the first edition of IEC 62841-1:2014. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

Keel: en
Alusdokumendid: IEC 62841-2-7:2024; EN IEC 62841-2-7:2024

EVS-EN IEC 62841-2-7:2024/A11:2024

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-7: Erinõuded käesoitavatele püstolpihustitele
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-7: Particular requirements for hand-held spray guns

Amendment to EN IEC 62841-2-7:2024

Keel: en
Alusdokumendid: EN IEC 62841-2-7:2024/A11:2024
Muudab dokumenti: EVS-EN IEC 62841-2-7:2024

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 62282-8-201:2024

Fuel cell technologies - Part 8-201: Energy storage systems using fuel cell modules in reverse mode - Test procedures for the performance of power-to-power systems

IEC 62282-8-201:2024 defines the evaluation methods of typical performances for electric energy storage systems using hydrogen. It is applicable to the systems that use electrochemical reaction devices for both power charge and discharge. This document applies to systems that are designed and used for service and operation in stationary locations (indoor and outdoor). It specifies performance evaluation methods for electric energy storage systems using hydrogen that employ electrochemical reactions both for water and steam electrolysis and electric power generation. This document is intended for power-to-power systems which typically employ a set of electrolyser and fuel cell, or a reversible cell for devices of electric charge and discharge. This second edition cancels and replaces the first edition published in 2020. This edition includes the following significant technical changes with respect to the previous edition: a) consideration of systems connected to hydrogen supply infrastructure (hydrogen grids, vessels, caverns or pipelines); b) hydrogen input and output rate is added in the system parameters (5.10); c) electric energy storage capacity test is revised (6.2); d) roundtrip electrical efficiency test is revised (6.5); e) hydrogen input and output rate test is added (6.6.6).

Keel: en
Alusdokumendid: IEC 62282-8-201:2024; EN IEC 62282-8-201:2024
Asendab dokumenti: EVS-EN IEC 62282-8-201:2020

EVS-EN IEC 63252:2020+A11:2024

Müügiautomaatide energiatarbimine
Energy consumption of vending machines (IEC 63252:2020)

This document defines methods for the measurement of energy consumption of vending machines, whether or not fitted with refrigerating appliances. The standard applies (but is not limited) to the categories of machines shown in Table 1. The following types of vending machine are excluded from this document: – drink machines dispensing hot and/or cold drinks into cups; – machines with a food-heating function; – vending machines operating at temperatures below 0 °C; or – any machine including one or more of these compartments. For verification purposes, it is essential to apply all of the tests specified to a single unit. The tests can also be made individually for the study of a particular characteristic. This document does not deal with any characteristics of machine design other than energy consumption.

Keel: en
Alusdokumendid: IEC 63252:2020; EN IEC 63252:2020; EN IEC 63252:2020/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 63252:2020
Konsolideerib dokumenti: EVS-EN IEC 63252:2020/A11:2024

29 ELEKTROTEHNIKA

EVS-EN 60670-22:2007/A1:2024

Majapidamis- ja muude taoliste kohtkindlate elektripaigaldiste elektriseadmekastid ja -ümbrised. Osa 22: Erinõuded ühenduskastidele ja -ümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures

To cover requirements for boxes and enclosures with provision for suspension means

Keel: en
Alusdokumendid: EN 60670-22:2006/A1:2024; IEC 60670-22:2003/A1:2015
Muudab dokumenti: EVS-EN 60670-22:2007

EVS-EN 60670-22:2007/A11:2024

Majapidamis- ja muude taoliste kohtkindlate elektripaigaldiste elektriseadmekastid ja -ümbrised. Osa 22: Erinõuded ühenduskastidele ja -ümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures

To cover requirements for boxes and enclosures with provision for suspension means

Keel: en
Alusdokumendid: EN 60670-22:2006/A11:2024
Muudab dokumenti: EVS-EN 60670-22:2007
Muudab dokumenti: EVS-EN 60670-22:2007/A1:2024

EVS-EN 60670-22:2007+A1+A11:2024

Majapidamis- ja muude taoliste kohtkindlate elektripaigaldiste elektriseadmekastid ja -ümbrised. Osa 22: Erinõuded ühenduskastidele ja -ümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003, modified + IEC 60670-22:2003/A1:2015)

This clause of Part 1 applies with the following addition: Add after the fourth paragraph: This standard applies to connecting boxes for junction(s) and/or tapping(s). NOTE Unless otherwise stated, throughout the document the term “boxes” also applies to “enclosures”.

Keel: en
Alusdokumendid: IEC 60670-22:2003; EN 60670-22:2006; IEC 60670-22:2003/A1:2015; EN 60670-22:2006/A1:2024; EN 60670-22:2006/A11:2024
Konsolideerib dokumenti: EVS-EN 60670-22:2007
Konsolideerib dokumenti: EVS-EN 60670-22:2007/A1:2024
Konsolideerib dokumenti: EVS-EN 60670-22:2007/A11:2024

EVS-EN 60898-1:2019+A1+A11:2024

Elektritarvikud. Liigvoolukaitselülitid majapidamis- ja muudele taolistele paigaldistele. Osa 1: Vahelduvvoolu-kaitselülitid
Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2015, modified + IEC 60898-1:2015/AMD1:2019)

This part of IEC 60898 applies to a.c. air-break circuit-breakers for operation at 50 Hz, 60 Hz or 50/60 Hz, having a rated voltage not exceeding 440 V (between phases), a rated current not exceeding 125 A and a rated short-circuit capacity not exceeding 25 000 A. As far as possible, it is in line with the requirements contained in IEC 60947-2. NOTE 1 Additional requirements are necessary for circuit-breakers used in locations having more severe overvoltage conditions. These circuit-breakers are intended for the protection against overcurrents of wiring installations of buildings and similar applications; they are designed for use by uninstructed people and do not require maintenance. They are intended for use in an environment with pollution degree 2 For an environment with a higher pollution degree, enclosures giving the appropriate degree of protection are used. They are suitable for isolation. Circuit-breakers of this standard, with exception of those rated 120 V or 120/240 V (see Table 1), are suitable for use in IT systems. This standard also applies to circuit-breakers having more than one rated current, provided that the means for changing from one discrete rating to another is not accessible in normal service and that the rating cannot be changed without the use of a tool. This standard does not apply to – circuit-breakers intended to protect motors; – circuit-breakers, the current setting of which is adjustable by means accessible to the user. For circuit-breakers having a degree of protection higher than IP20 according to IEC 60529, for use in locations where arduous environmental conditions prevail (e.g. excessive humidity, heat or cold or deposition of dust) and in hazardous locations (e.g. where explosions are liable to occur), special constructions may be required. This document does not apply to circuit-breakers for DC operation that are covered by IEC 60898-3. This standard does not apply to circuit-breakers for a.c. and d.c. operation,which is covered by IEC 60898-2. This standard does not apply to circuit-breakers which incorporate residual current tripping devices, which is covered by IEC 61009-1, IEC 61009-2-1, and IEC 61009-2-2. A guide for coordination under short-circuit conditions between a circuit-breaker and another short-circuit protective device (SCPDs) is given in Annex D. For more severe overvoltage conditions, circuit-breakers complying with other standards (e.g. IEC 60947-2) should be used. NOTE 2 Circuit-breakers within the scope of this standard can also be used for protection against electric shock in case of fault, depending on their tripping characteristics and on the characteristics of the installation. The criterion

of application for such purposes is dealt with by installation rules. NOTE 3 Recommendations for the dimensional coordination between enclosures and circuit breakers for mounting on rails according to EN 60715 or equivalent means are given in the CENELEC report PD CLC/TR 50473. This standard contains all requirements necessary to ensure compliance with the operational characteristics required for these devices by type tests. It also contains the details relative to test requirements and methods of testing necessary to ensure reproducibility of test results. This standard states a) the characteristics of circuit-breakers; b) the conditions with which circuit-breakers shall comply, with reference to: 1) their operation and behaviour in normal service; 2) their operation and behaviour in case of overload; 3) their operation and behaviour in case of short-circuits up to their rated short-circuit capacity; 4) their dielectric properties; c) the tests intended for confirming that these conditions have been met and the methods to be adopted for the tests; d) the data to be marked on the devices; e) the test sequences to be carried out and the number of samples (see Annex C); f) the co-ordination under short-circuit conditions with another short-circuit protective device (SCPD) associated in the same circuit (see Annex D); g) the routine tests to be carried out on each circuit-breaker to reveal unacceptable variations in material or manufacture, likely to affect safety (see Annex I).

Keel: en
Alusdokumendid: IEC 60898-1:2015; EN 60898-1:2019; IEC 60898-1:2015/AMD 1:2019; EN 60898-1:2019/A1:2024; EN 60898-1:2019/A11:2024
Konsolideerib dokumenti: EVS-EN 60898-1:2019
Konsolideerib dokumenti: EVS-EN 60898-1:2019/A1:2024
Konsolideerib dokumenti: EVS-EN 60898-1:2019/A11:2024

EVS-EN IEC 60079-17:2024

Plahvatusohtlikud keskkonnad. Osa 17: Elektripaigaldiste kontroll ja korrashoid
Explosive atmospheres - Part 17: Electrical installations inspection and maintenance (IEC 60079-17:2023)

Standardisarja IEC 60079 see osa kehtib elektripaigaldiste kasutajatele ja ning hõlmab ainult neid mõjureid, mis on otseselt seotud spetsiaalselt ohtlikusse piirkonda kavandatud elektripaigaldiste, kus ohu põhjustab plahvatusohtlik keskkond, kontrollimise ja korrashoiuga. See ei sisalda: • elektripaigaldiste muid põhilisi paigaldus- ja kontrollinõudeid; • elektriseadmete vastavuse tõendamist; • ruumide kaitset või ventilatsiooni; • gaasituvastussüsteeme; • plahvatuse eest kaitstud seadmete remonti ega taastamist (vt IEC 60079-19). Kuigi see dokument ei hõlma selliste ohutusseadmete kontrollimist, mida kasutatakse näiteks ventileeritavates ruumides (vt IEC 60079-13), sisaldab see kontrolli- ja korrashoiunõudeid üksikutele seadmetele, mis on selliste süsteemide osaks, näiteks mootorid või andurid. See dokument täiendab standardi IEC 60364-6 kohaseid mitteohtlike piirkondade elektripaigaldiste kontrollimise ja katsetamise nõudeid. See dokument on ette nähtud rakendamiseks seal, kus normaalsetes keskkonnaoludes võib tekkida ohuolukord plahvatusohtliku gaasi või tolmu segu või põleva tolmukihi potentsiaalse olemasolu tõttu. See ei kehti: • allmaakaevandusaladele, • lõhkeainete tolmu korral, • pürofoorsete ainete korral.

Keel: en, et
Alusdokumendid: IEC 60079-17:2023; EN IEC 60079-17:2024
Asendab dokumenti: EVS-EN 60079-17:2014

EVS-EN IEC 60127-8:2018/A1:2024

Miniature fuses - Part 8: Fuse resistors with particular overcurrent protection

Amendment to EN IEC 60127-8:2018

Keel: en
Alusdokumendid: IEC 60127-8:2018/AMD1:2024; EN IEC 60127-8:2018/A1:2024
Muudab dokumenti: EVS-EN IEC 60127-8:2018

EVS-EN IEC 60228:2024

Kaablite ja isoleerjuhtmete voolujuhid
Conductors of insulated cables (IEC 60228:2023)

See dokument määratleb laias ulatuses elektrikaablite ja -juhtmete tüüpide voolujuhtide nimiristlõiked vahemikus 0,5 mm² kuni 3500 mm². Samuti on lisatud nõuded kiudude arvule ja suurusele ning aktiivtakistuse väärtustele. Need voolujuhid hõlmavad massiiv-, kiud- ja millikenjuhte ning vasest, alumiiniumist ja alumiiniumisulamitest voolujuhte kohtkindlaks paigaldamiseks ette nähtud kaablites ja isoleerjuhtmetes ning vasest paindjuhtides. Dokument ei kehti telekommunikatsiooni otstarbel kasutatavatele voolujuhtidele. Selle standardi rakendatavus teatud tüüpi kaablitele või isoleerjuhtmetele on määratletud vastavas kaabli või isoleerjuhtme tüübi standardis. Kui konkreetses jaotises ei ole märgitud vastupidist, käsitleb see dokument valmiskaablis või -isoleerjuhtmes olevaid voolujuhte ega käsitle voolujuhte, mis on valmistatud või tarnitud kaablisse või isoleerjuhtmesse lisamiseks. Selles dokumendis kirjeldatud voolujuhid on määratletud meetermõõdustikus. Teatmelisad annavad täiendavat teavet takistuse mõõtmise temperatuuri parandustegurite kohta (lisa B) ja juhiseid ümmarguste juhtmete mõõtmete piiride kohta (lisa C). EE MÄRKUS 1 Inglise ja prantsuse keeles tähendab termin „cable“ niihästi kaablit kui ka isoleerjuhet. Eesti, saksa ja vene keeles tehakse neil termineil vahet, nimetades kaabliks juhti, mille sisemus on hermeetiliselt kaitstud mantli ning otsatuste, jätku- ja harumuhvidega. EE MÄRKUS 2 Selles eestikeelses standardis mõistetakse voolujuhi (ingl conductor, pr âme, sks Leiter) all juhtme või kaabli soone voolujuhtivat metallosa.

Keel: en, et
Alusdokumendid: EN IEC 60228:2024; IEC 60228:2023
Asendab dokumenti: EVS-EN 60228:2005

EVS-EN IEC 60422:2024

Mineral insulating oils in electrical equipment - Supervision and maintenance guidance

IEC 60422:2024 provides monitoring guidance and procedures that are required for the use and maintenance of mineral insulating oils and other hydrocarbon-based liquids in transformers and other electrical equipment, including strategic spares and tanks for

holding spare parts and components. This document is applicable to mineral insulating oils, originally supplied conforming to IEC 60296, in transformers, switchgear and other electrical apparatus where oil sampling is reasonably practicable, and where the normal operating conditions specified in the equipment specifications apply. This document is also intended to assist the power equipment operator to evaluate the condition of the oil and maintain it in a serviceable condition. It also provides a common basis for the preparation of more specific and complete local codes of practice. The document includes recommendations on tests and evaluation procedures, and outlines methods for reconditioning and reclaiming oil, and the decontamination of oil contaminated with PCBs. NOTE The condition monitoring of electrical equipment, for example by analysis of dissolved gases, furanic compounds or other means, is outside the scope of this document.

Keel: en
Alusdokumendid: IEC 60422:2024; EN IEC 60422:2024
Asendab dokumenti: EVS-EN 60422:2013

EVS-EN IEC 61535:2024

Paigaldus-pistikühendused püsivaks ühendamiseks kohtkindlates paigaldistes
Installation couplers intended for permanent connection in fixed installations

IEC 61535:2023 applies to two-wire, up to five-wire installation couplers, with or without earthing contact, if provided, with a rated voltage up to and including 500 V AC or 500 V DC and a rated connecting capacity up to and including 10 mm2 and a rated current not exceeding 32 A for permanent connection in electrical installations. Installation couplers with additional contacts for voltages other than mains voltages are outside the scope of this document. This third edition cancels and replaces the second edition published in 2019. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) inclusion of a definition for "live part" based on IEC 61140; b) additional optional cross medial documentation, e.g. marking with QR-Code; c) corrections on the consistent use of the expressions "earth", "earthing contact", "earthing circuit" and "protective earth(ing)" throughout the document; d) addition of missing compliance provisions to 13.3; e) update of Figure D.1 of Annex D; f) inclusion of new Annex F for cold climate requirements.

Keel: en
Alusdokumendid: IEC 61535:2023; EN IEC 61535:2024
Asendab dokumenti: EVS-EN IEC 61535:2019

EVS-EN IEC 62271-200:2021+A1:2024

High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-200:2021 + IEC 62271-200:2021/AMD1:2024)

This part of IEC 62271 is applicable to prefabricated metal enclosed switchgear and controlgear assemblies designed for: – alternating current; – rated voltages above 1 kV and up to and including 52 kV; – service frequencies up to and including 60 Hz; – indoor and outdoor installation. The assembly can include air-insulated and/or fluid-filled compartments. For components installed in a metal-enclosed switchgear and controlgear, this document supplements or even replaces in some cases, the requirements as stated by the individual product standards. The list of components which can be inside the metal-enclosed switchgear and controlgear is not limited to the ones explicitly cited in this document.

Keel: en
Alusdokumendid: IEC 62271-200:2021; EN IEC 62271-200:2021; IEC 62271-200:2021/AMD1:2024; EN IEC 62271-200:2021/A1:2024
Konsolideerib dokumenti: EVS-EN IEC 62271-200:2021
Konsolideerib dokumenti: EVS-EN IEC 62271-200:2021/A1:2024

EVS-EN IEC 63128:2019/A1:2024

Lighting control interface for dimming - Analogue voltage dimming interface for electronic current sourcing controlgear

Amendment to EN IEC 63128:2019

Keel: en
Alusdokumendid: IEC 63128:2019/AMD1:2024; EN IEC 63128:2019/A1:2024
Muudab dokumenti: EVS-EN IEC 63128:2019

33 SIDETEHNIKA

EVS-EN IEC 61280-2-13:2024

Fibre optic communication subsystem test procedures - part 2-13: Digital systems - measurement of error vector magnitude

IEC 61280-2-13:2024 series defines a procedure for calculating the root-mean-square error vector magnitude of optical n-APSK signals from a set of measured symbols. It specifically defines the normalization of the reference states and a procedure for optimal scaling of the measured symbol states. The procedure described in this document applies to single-polarized optical signals as well as to conventional polarization-multiplexed signals with independently modulated polarization tributaries. In general, it is not advisable to apply these procedures without modification to signals, in which optical amplitude, phase, and polarization state are simultaneously modulated to encode the information data. This document does not specify any signal processing steps for extracting the symbols from the received optical signals, because these steps depend on the optical receiver and can vary with the type of the transmitted n-APSK signal. These and optional additional signal processing steps are defined in application-specific documents.

Keel: en

Alusdokumendid: IEC 61280-2-13:2024; EN IEC 61280-2-13:2024

EVS-EN IEC 61968-9:2024

Enterprise business function interfaces for utility operations - Part 9: Interfaces for meter reading and control

IEC 61968-9:2024 specifies the information content of a set of message types that can be used to support many of the business functions related to meter reading and control. Typical uses of the message types include meter reading, controls, events, customer data synchronization and customer switching. Although intended primarily for electrical distribution networks, IEC 61968-9 can be used for other metering applications, including non-electrical metered quantities necessary to support gas and water networks. The purpose of this document is to define a standard for the integration of metering systems (MS), which includes traditional manual systems, and (one or two-way) automated meter reading (AMR) systems, and meter data management (MDM) systems with other enterprise systems and business functions within the scope of IEC 61968. The scope of this document is the exchange of information between metering systems, MDM systems and other systems within the utility enterprise. The specific details of communication protocols those systems employ are outside the scope of this document. Instead, this document will recognize and model the general capabilities that can be potentially provided by advanced and/or legacy meter infrastructures, including two-way communication capabilities such as load control, dynamic pricing, outage detection, distributed energy resource (DER) control signals and on-request read. In this way, this document will not be impacted by the specification, development and/or deployment of next generation meter infrastructures either through the use of standards or proprietary means. The focus of IEC 61968-9 is to define standard messages for the integration of enterprise applications, these messages may be directly or indirectly related to information flows within a broader scope. Examples would include messaging between head end systems and meters or PAN devices. The various components described later in this document will typically fall into either the category of a metering system (MS) head end, an MDM or other enterprise application (e.g. OMS, DRMS, CIS). The capabilities and information provided by a meter reading and meter data management systems are important for a variety of purposes, including (but not limited to) interval data, time-based demand data, time-based energy data (usage and production), outage management, service interruption, service restoration, quality of service monitoring, distribution network analysis, distribution planning, demand response, customer billing and work management. This standard also extends the CIM (Common Information Model) to support the exchange of meter data. This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision. Please see the foreword of IEC 61968-9 for further details.

Keel: en
Alusdokumendid: IEC 61968-9:2024; EN IEC 61968-9:2024
Asendab dokumenti: EVS-EN 61968-9:2014

35 INFOTEHNOLOOGIA

CEN/TR 18077:2024

Building information modelling - Digital twins applied to the built environment - Use cases

This document collates case studies of digital twins applied to the built environment, including infrastructures, in Europe. These case studies have been obtained from CEN experts and related EU research projects. This document identifies common characteristics to support further standardization work.

Keel: en
Alusdokumendid: CEN/TR 18077:2024

CEN/TS 18053-1:2024

Digital Chain of Custody for CBRNE Evidence — Part 1: Overview and Concepts

This document provides guidance for technical and non-technical personnel within the organisation, including those responsible for compliance with statuary and regulatory requirements and industry standards. It provides an overview to the concepts related to the custody transfer lifecycle within the dCoC, framing how such personnel can identify and audit the custody ownership of CBRNE evidence; set policies and follow good practices for metadata governance, and conduct digital operations to ensure the integrity of the data at each custody transfer point. In addition to the metadata required to perform audits, the document also aims to provide: - Unambiguous definitions of the concepts related to the digital log for each custody transfer (i.e., who owns the custody at each transfer point). - Guidelines for a dCoC data governance process to ensure the integrity of the DCM and situational-awareness at each transfer point within the dCoC. - Suggestions regarding metadata management policies and compliance with good practices for non-repudiation digital log, ensuring a standard data structure for data management and auditing This document is the first part of a series of Technical Specifications on the provision of DCM services for the management of datarelated to the custody of CBRNE evidence. It will be complemented by other specific parts, which give more detailed guidelines for related services, such as the specification of BPMN processes for data governance within the dCoC.

Keel: en
Alusdokumendid: CEN/TS 18053-1:2024

CEN/TS 18053-2:2024

Digital Chain of Custody for CBRNE Evidence — Part 2: Data Management and Audit

This document provides guidelines for managing and auditing Digital Custody Metadata (DCM), enabling stakeholders to identify and audit custody ownership for CBRNE evidence in the dCoC. It proposes a metadata structure to manage resources assigned to CBRNE evidence and comply with good data governance practices, raising awareness at each custody transfer point. In addition to considering using the Business Process Model and Notation (BPMN) to specify metadata management processes, therelevance of standard procedures to overcome DCM-related challenges is also addressed. In this domain, the focus is on the metadata structures required to manage digital asset custodians while outlining some of the activities that should be considered when specifying a DCM governance workflow. This document is the second part of a series of technical specifications for the

provision of DCM services for managing data related to the preservation of CBRNE evidence. Please see the first part of this series for a complete understanding of the concepts and stakeholders' role within the custody transfer lifecycle.

Keel: en
Alusdokumendid: CEN/TS 18053-2:2024

EVS-EN ISO 19164:2024
Geographic information - Indoor feature model (ISO 19164:2024)

This document specifies a core semantic classification system of essential indoor features to describe indoor environments required commonly in various location-based indoor applications of buildings. The scope includes the following: — semantic description of indoor features and their attributes; — feature association between indoor features. The semantic classification system in this document is compatible with the building model defined in existing related standards. Geometric and topological descriptions of indoor features are not considered in this document. This document does not apply to other architectural structures, such as tunnels.

Keel: en
Alusdokumendid: ISO 19164:2024; EN ISO 19164:2024

EVS-EN ISO 9241-5:2024
Ergonomics of human-system interaction - Part 5: Workstation layout and postural requirements (ISO 9241-5:2024)

This part of ISO 9241 specifies ergonomic guiding principles which apply to the user requirements, design, and procurement of workstation equipment for using interactive systems with visual displays. In particular, the general principles and requirements specified in this part of ISO 9241 apply to the standards specifying technical design of furniture and equipment constituting the workplace. They are intended for use by product and workstation designers and implementers.

Keel: en
Alusdokumendid: EN ISO 9241-5:2024; ISO 9241-5:2024
Asendab dokumenti: EVS-EN ISO 9241-5:2004

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 17860-1:2024
Carrier cycles - Part 1: Terms and definitions

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

Keel: en
Alusdokumendid: EN 17860-1:2024

EVS-EN 17860-3:2024
Carrier Cycles - Part 3: Lightweight multi track carrier cycles - Mechanical aspects

This standard specifies mechanical aspects of lightweight multi track carrier cycles.

Keel: en
Alusdokumendid: EN 17860-3:2024

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3155-002:2024
Aerospace series - Electrical contacts used in elements of connection - Part 002: List and utilization of contacts

This document provides a list of removable crimped contacts as specified in the product standards, with wrapped or soldered connections, etc. for use in connectors or other electrical elements of connection. It shows the elements of connection in which they are used.

Keel: en
Alusdokumendid: EN 3155-002:2024
Asendab dokumenti: EVS-EN 3155-002:2011

EVS-EN 3155-015:2019/A1:2024
Aerospace series - Electrical contacts used in elements of connection - Part 015: Contacts, electrical, female, type A, crimp, class S - Product standard

Amendment to EN 3155-015:2019

Keel: en
Alusdokumendid: EN 3155-015:2019/A1:2024
Muudab dokumenti: EVS-EN 3155-015:2019

EVS-EN 4500-001:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 001: General rules

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 001 specifies the "General rules" framework valid for all parts.

Keel: en
Alusdokumendid: EN 4500-001:2024
Asendab dokumenti: EVS-EN 4500-001:2012

EVS-EN 4500-002:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 002: Specific rules for aluminium, aluminium alloys and magnesium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 002 specifies the "Specific rules for aluminium, aluminium alloys and magnesium alloys".

Keel: en
Alusdokumendid: EN 4500-002:2024

EVS-EN 4500-003:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 003: Specific rules for heat resisting alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 003 specifies the "Specific rules for heat resisting alloys".

Keel: en
Alusdokumendid: EN 4500-003:2024
Asendab dokumenti: EVS-EN 4500-003:2012

EVS-EN 4500-004:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 004: Specific rules for titanium and titanium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 004 specifies the "Specific rules for titanium and titanium alloys".

Keel: en
Alusdokumendid: EN 4500-004:2024
Asendab dokumenti: EVS-EN 4500-004:2012

EVS-EN 4500-005:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 005: Specific rules for steels

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 005 specifies the "Specific rules for steels".

Keel: en
Alusdokumendid: EN 4500-005:2024
Asendab dokumenti: EVS-EN 4500-005:2012

EVS-EN 4500-006:2024

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 006: Specific rules for filler metals for brazing

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 006 specifies the "Specific rules for filler metals for brazing".

Keel: en
Alusdokumendid: EN 4500-006:2024

EVS-EN 4888:2024

Aerospace Series - Commercial aircraft passenger seats - Reliability testing

This document specifies minimum reliability test requirements for sub-components of commercial aircraft passenger seats. Test procedures including in-service load cases regarding passenger behaviour for sub-seat components are specified. Abuse loads are excluded. This document is applicable to the sub-seat components such as but not limited to backrest, headrest, armrest, table, literature pocket and control elements. This document does not apply to belts, Inflight-Entertainment, seat dress cover and cushions. Additional environmental influences like temperature, radiation, gases and liquids may also alter the reliability of the aircraft passenger seats and their sub-components over their lifetime but are not taken into consideration in this document. Tests on abrasion and surface durability are specified in EN 4860, EN 4864 and EN 4876.

Keel: en
Alusdokumendid: EN 4888:2024

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 21898:2024

Packaging - Flexible intermediate bulk containers (FIBCs) for non-dangerous goods (ISO 21898:2024)

This document specifies materials, construction and design requirements, type test and marking requirements for flexible intermediate bulk containers (FIBCs) intended to contain non-dangerous solid materials in powder, granular or paste form, and designed to be lifted from above by integral or detachable devices. This document also provides guidance on the selection and safe usage of FIBCs.

Keel: en
Alusdokumendid: ISO 21898:2024; EN ISO 21898:2024
Asendab dokumenti: EVS-EN ISO 21898:2005

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 7211-2:2024

Textiles - Methods for analysis of woven fabrics construction - Part 2: Determination of number of threads per unit length (ISO 7211-2:2024)

This document specifies three methods for the determination of the number of threads per centimetre in woven fabrics. Any of the three methods can be used, the choice depending on the character of the fabric. However, in case of dispute, method A takes precedence. — Method A: Dissection of fabric, suitable for all fabrics. This is the most laborious method but has fewer limitations than the others; in particular, it is the only one that is really suitable for the examination of certain folded structures and other complicated weaves. — Method B: Counting glass, suitable for fabrics with more than 50 threads per centimetre. — Method C: Traversing thread counter, suitable for all fabrics. Where the number of threads per centimetre is low, it can be convenient to express the results as the number of threads per decimetre.

Keel: en
Alusdokumendid: ISO 7211-2:2024; EN ISO 7211-2:2024
Asendab dokumenti: EVS-EN 1049-2:2000

65 PÕLLUMAJANDUS

EVS-EN ISO 18497-1:2024

Põllumajandusmasinad ja traktorid. Osaliselt automatiseeritud, osaliselt isejuhtivate ja isejuhtivate masinate ohutus. Osa 1: Masinate konstrueerimise põhimõtted ja sõnavara
Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 1: Machine design principles and vocabulary (ISO 18497-1:2024)

This document specifies principles for the design of agricultural machinery and tractors that are used in agricultural applications and that have partially automated, semi-autonomous and autonomous functions. Additionally, it provides guidance on the type of information to be provided by the manufacturer on safe working practices (including information about residual risks). The purpose of this document is to assist in the provision of more specific safety requirements, means of verification and information for use to ensure an appropriate level of safety for agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions used in a specified way. This document deals with the significant hazards relevant to agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions when used as intended and under the conditions of misuse reasonably foreseeable by the manufacturer during normal operation and service. Applicability of the design principles and any additional detailed requirements for design, verification, validation or information for use are outside the scope of this document. When risk assessment concludes that hazards are not significant hazards, the principles of this document do not apply. NOTE Safety requirements for specific non-automated functions of agricultural machinery and tractors can be available in machine-specific type-C standards. This document is not applicable to: — forestry applications; — operations on public roads including relevant requirements for braking and steering systems. This document is not applicable to agricultural machinery and tractors which are manufactured before the date of its publication, or to systems applied to agricultural machinery and tractors put into use before the date of its publication.

Keel: en
Alusdokumendid: ISO 18497-1:2024; EN ISO 18497-1:2024
Asendab dokumenti: EVS-EN ISO 18497:2018

EVS-EN ISO 18497-2:2024

Põllumajandusmasinad ja traktorid. Osaliselt automatiseeritud, osaliselt isejuhtivate ja isejuhtivate masinate ohutus. Osa 2: Takistustega toimetuleku süsteemide projekteerimise põhimõtted
Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 2: Design principles for obstacle protection systems (ISO 18497-2:2024)

This document specifies principles for the design of obstacle protective systems used in agricultural machinery and tractors that are used in agricultural applications and that have partially automated, semi-autonomous and autonomous functions. Additionally, it provides guidance on the type of information to be provided by the manufacturer on safe working practices (including information

about residual risks). The purpose of this document is to assist in the provision of more specific safety requirements, means of verification and information for use to ensure an appropriate level of safety for agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions used in a specified way. This document deals with the significant hazards relevant to agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions when used as intended and under the conditions of misuse reasonably foreseeable by the manufacturer during normal operation and service. Applicability of the design principles and any additional detailed requirements for design, verification, validation or information for use are outside the scope of this document. When risk assessment concludes that hazards are not significant hazards, the principles of this document do not apply. NOTE Safety requirements for specific non-automated functions of agricultural machinery and tractors can be available in machine-specific type-C standards. This document is not applicable to: — forestry applications; — operations on public roads including relevant requirements for braking and steering systems. This document is not applicable to agricultural machinery and tractors which are manufactured before the date of its publication, or to systems applied to agricultural machinery and tractors put into use before the date of its publication.

Keel: en
Alusdokumendid: ISO 18497-2:2024; EN ISO 18497-2:2024
Asendab dokumenti: EVS-EN ISO 18497:2018

EVS-EN ISO 18497-3:2024

Põllumajandusmasinad ja traktorid. Osaliselt automatiseeritud, osaliselt isejuhtivate ja isejuhtivate masinate ohutus. Osa 3: Autonoomse töö alad
Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 3: Autonomous operating zones (ISO 18497-3:2024)

This document specifies principles for the design of agricultural machinery and tractors utilizing systems (perception, supervisory or other) to prevent unintended excursions beyond the boundary of the autonomous operating zone which are used in agricultural applications and that have partially automated, semi-autonomous and autonomous functions. Additionally, it provides guidance on the type of information to be provided by the manufacturer on safe working practices (including information about residual risks). The autonomous operating zone itself is not within the scope of this document. The autonomous operating zone can include, for example, considerations for the autonomous operating zone location, physical or virtual boundaries, physical boundary types (natural or man-made) and the associated risks with the systems (perception, supervisory or other) to prevent unintended excursions beyond the boundary of the autonomous operating zone design. The purpose of this document is to assist in the provision of more specific safety requirements, means of verification and information for use to ensure an appropriate level of safety for agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions used in a specified way. This document deals with the significant hazards relevant to agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions when used as intended and under the conditions of misuse reasonably foreseeable by the manufacturer during normal operation and service. Applicability of the design principles and any additional detailed requirements for design, verification, validation or information for use are outside the scope of this document. When risk assessment concludes that hazards are not significant hazards, the principles of this document do not apply. NOTE Safety requirements for specific non-automated functions of agricultural machinery and tractors can be available in machine-specific type-C standards. This document is not applicable to: — forestry applications; — operations on public roads including relevant requirements for braking and steering systems. This document is not applicable to agricultural machinery and tractors which are manufactured before the date of its publication, or to systems applied to agricultural machinery and tractors put into use before the date of its publication.

Keel: en
Alusdokumendid: ISO 18497-3:2024; EN ISO 18497-3:2024
Asendab dokumenti: EVS-EN ISO 18497:2018

EVS-EN ISO 18497-4:2024

Põllumajandusmasinad ja traktorid. Osaliselt automatiseeritud, osaliselt isejuhtivate ja isejuhtivate masinate ohutus. Osa 4: Kontrollimeetodid ja valideerimispõhimõtted
Agricultural machinery and tractors - Safety of partially automated, semi-autonomous and autonomous machinery - Part 4: Verification methods and validation principles (ISO 18497-4:2024)

This document specifies principles for verification methods and validation principles of agricultural machinery and tractors that are used in agricultural applications and that have partially automated, semi-autonomous and autonomous functions. The purpose of this document is to assist in the provision of more specific safety requirements, means of verification and information for use to ensure an appropriate level of safety for agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions used in a specified way. This document deals with the significant hazards relevant to agricultural machinery and tractors with partially automated, semi-autonomous and autonomous functions when used as intended and under the conditions of misuse reasonably foreseeable by the manufacturer during normal operation and service. Applicability of the design principles and any additional requirements, for design, verification, validation or information for use are outside the scope of this document. When risk assessment concludes that hazards are not significant hazards, the principles of this document do not apply. NOTE Safety requirements for specific non-automated functions of agricultural machinery and tractors can be available in machine-specific type-C standards. This document is not applicable to: — forestry applications; — operations on public roads including relevant requirements for braking and steering systems. This document is not applicable to agricultural machinery and tractors which are manufactured before the date of its publication, or to systems applied to agricultural machinery and tractors put into use before the date of its publication.

Keel: en
Alusdokumendid: ISO 18497-4:2024; EN ISO 18497-4:2024
Asendab dokumenti: EVS-EN ISO 18497:2018

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 13032:2024

Petroleum products - Determination of low concentration of sulfur in automotive fuels - Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2024)

This document specifies an energy dispersive X-ray fluorescence (EDXRF) test method for the determination of sulfur content in automotive fuels. This document is applicable to: — gasoline containing up to 3,7 % oxygen by mass (including those blended with ethanol up to 10 % by volume) having sulfur contents in the range of 6,9 mg/kg to 56,7 mg/kg, — diesel fuels including those containing up to about 30 % fatty acid methyl ester (FAME) by volume, paraffinic diesel fuel, and neat FAME, having sulfur contents in the range of 5,0 mg/kg to 60,2 mg/kg. The sulfur content in other products can be determined according to the test method specified in this document; however, no precision data for products other than automotive fuels and for results outside the specified range have been established for this document. For reasons of spectral overlap, this document is not applicable to leaded automotive gasoline, gasoline having a content of greater than 8 mg/kg lead or to product and feedstock containing lead, silicon, phosphorus, calcium, potassium or halides at concentrations greater than one tenth of the concentration of sulfur measured, or more than 10 mg/kg, whichever is the greater.

Keel: en
Alusdokumendid: ISO 13032:2024; EN ISO 13032:2024
Asendab dokumenti: EVS-EN ISO 13032:2012

77 METALLURGIA

EVS-EN ISO 642:2024

Steel - Hardenability test by end quenching (Jominy test) (ISO 642:2024)

This document specifies a method for determining the hardenability of steel by end quenching (Jominy test) by using a test piece 25 mm in diameter and at least 100 mm long. By agreement and for a defined field of application, the test described in this document can be replaced by the calculation of the Jominy curve according to an accepted mathematical model.

Keel: en
Alusdokumendid: ISO 642:2024; EN ISO 642:2024
Asendab dokumenti: EVS-EN ISO 642:2003

EVS-EN ISO 643:2024

Steels - Micrographic determination of the apparent grain size (ISO 643:2024)

This document specifies micrographic methods of determining apparent ferritic or austenitic grain size in steels. It describes the methods of revealing grain boundaries and of estimating the mean grain size of specimens with unimodal size distribution. Although grains are three-dimensional in shape, the metallographic sectioning plane can cut through a grain at any point from a grain corner, to the maximum diameter of the grain, thus producing a range of apparent grain sizes on the two-dimensional plane, even in a sample with a perfectly consistent grain size.

Keel: en
Alusdokumendid: ISO 643:2024; EN ISO 643:2024
Asendab dokumenti: EVS-EN ISO 643:2020

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 22459:2024

Fine ceramics (advanced ceramics, advanced technical ceramics) - Reinforcement of ceramic composites - Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2024)

This document specifies the conditions for the determination of the distribution of strength and rupture strain of ceramic filaments within a multifilament tow at room temperature by performing a tensile test on a multifilament tow. This document applies to dry tows of continuous ceramic filaments that are assumed to act freely and independently under loading and exhibit linear elastic behaviour up to failure. The outputs of this method are not to be mixed up with the strengths of embedded tows determined by using ISO 24046.

Keel: en
Alusdokumendid: ISO 22459:2024; EN ISO 22459:2024
Asendab dokumenti: EVS-EN ISO 22459:2022

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 17895:2024

Paints and varnishes - Determination of volatile organic compound (VOC) - Gas-chromatographic method with headspace injection for VOC determination (ISO 17895:2024)

This document specifies the sampling and testing of low volatile organic compound (VOC) coating materials and their raw materials. In particular, this document specifies a gas-chromatographic method to quantitatively determine the VOC content (i.e. the content of organic compounds with boiling points up to 250 °C) under standard conditions (101,325 kPa). It is applicable to VOC contents between 0,01 % and 0,1 % by mass. This document does not apply to the determination of the semi-volatile organic

compounds (SVOC) content, which is covered in ISO 11890-2. This document does not apply to volatile organic and volatile inorganic compounds that cannot be determined by gas chromatography. The procedure for identifying the appropriate method for the determination of VOC content and the SVOC content of coating materials and their raw materials is described in ISO/TR 5601.

Keel: en
Alusdokumendid: ISO 17895:2024; EN ISO 17895:2024
Asendab dokumenti: EVS-EN ISO 17895:2005

EVS-EN ISO 20427:2024

Pigments and extenders - Dispersion procedure for sedimentation-based particle sizing of suspended pigment or extender with liquid sedimentation methods (ISO 20427:2023)

This document specifies sample preparation methods to determine the size distribution of separate particles of a single pigment or extender, which is dispersed in a liquid by application of a standardized dispersion procedure, using an ultrasonic device, shaker device or wet jet mill. The sample preparation methods described are optimized for measurements carried out with a particle sizing technique based on sedimentation. This technique relies on particle migration due to gravitation or centrifugal forces and requires a density contrast between the particles and the liquid phase.

Keel: en
Alusdokumendid: ISO 20427:2023; EN ISO 20427:2024

91 EHITUSMATERJALID JA EHITUS

EVS-EN ISO 16890-3:2024

Air filters for general ventilation - Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2024)

This document specifies the test equipment and the test methods used for measuring the gravimetric efficiency and resistance to air flow of air filter for general ventilation. It is intended for use in conjunction with ISO 16890-1, ISO 16890-2 and ISO 16890-4. The test method described in this document is applicable for air flow rates between 0,25 m3/s (900 m3/h, 530 ft3/min) and 1,5 m3/s (5 400 m3/h, 3 178 ft3/min), referring to a test rig with a nominal face area of 610 mm × 610 mm (24 in × 24 in). This document refers to particulate air filter elements for general ventilation having an ePM1 efficiency less than or equal to 99 % and an ePM10 efficiency greater than 20 % when tested as per the procedures defined in the ISO 16890 series. NOTE The lower limit for this test procedure is set at a minimum ePM10 efficiency of 20 % since it is very difficult for a test filter element below this level to meet the statistical validity requirements of this procedure. This document does not apply to filter elements used in portable room-air cleaners.

Keel: en
Alusdokumendid: ISO 16890-3:2024; EN ISO 16890-3:2024
Asendab dokumenti: EVS-EN ISO 16890-3:2016

97 OLME. MEELELAHUTUS. SPORT

EVS-EN IEC 63252:2020+A11:2024

Müügiautomaatide energiatarbimine
Energy consumption of vending machines (IEC 63252:2020)

This document defines methods for the measurement of energy consumption of vending machines, whether or not fitted with refrigerating appliances. The standard applies (but is not limited) to the categories of machines shown in Table 1. The following types of vending machine are excluded from this document: – drink machines dispensing hot and/or cold drinks into cups; – machines with a food-heating function; – vending machines operating at temperatures below 0 °C; or – any machine including one or more of these compartments. For verification purposes, it is essential to apply all of the tests specified to a single unit. The tests can also be made individually for the study of a particular characteristic. This document does not deal with any characteristics of machine design other than energy consumption.

Keel: en
Alusdokumendid: IEC 63252:2020; EN IEC 63252:2020; EN IEC 63252:2020/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 63252:2020
Konsolideerib dokumenti: EVS-EN IEC 63252:2020/A11:2024

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 19590:2019

Nanotechnologies - Size distribution and concentration of inorganic nanoparticles in aqueous media via single particle inductively coupled plasma mass spectrometry (ISO/TS 19590:2017)

Keel: en
Alusdokumendid: ISO/TS 19590:2017; CEN ISO/TS 19590:2019
Asendatud järgmise dokumendiga: CEN ISO/TS 19590:2024
Standardi staatus: Kehtetu

EVS-EN ISO 22174:2005

Microbiology of food and animal feeding stuffs - Polymerase chain reaction (PCR) for the detection of food-borne pathogens - General requirements and definitions

Keel: en
Alusdokumendid: ISO 22174:2005; EN ISO 22174:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 22174:2024
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 61674:2013

Elektrilised meditsiiniseadmed. Röntgendiagnostikas kasutatavad ioonkambriga dosimeetrid ja/või pooljuhtdetektorid
Medical electrical equipment - Dosimeters with ionization chambers and/or semi- conductor detectors as used in X-ray diagnostic imaging (IEC 61674:2012)

Keel: en
Alusdokumendid: IEC 61674:2012; EN 61674:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61674:2024
Standardi staatus: Kehtetu

EVS-EN ISO 23500-1:2019

Preparation and quality management of fluids for haemodialysis and related therapies - Part 1: General requirements (ISO 23500-1:2019)

Keel: en
Alusdokumendid: ISO 23500-1:2019; EN ISO 23500-1:2019
Asendatud järgmise dokumendiga: EVS-EN ISO 23500-1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 80601-2-79:2019

Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO 80601-2-79:2018) (corrected version 11.2019)

Keel: en
Alusdokumendid: ISO 80601-2-79:2018; EN ISO 80601-2-79:2019
Asendatud järgmise dokumendiga: EVS-EN ISO 80601-2-79:2024
Standardi staatus: Kehtetu

EVS-EN ISO 80601-2-80:2019

Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO 80601-2-80:2018), (corrected version 11.2019)

Keel: en
Alusdokumendid: ISO 80601-2-80:2018; EN ISO 80601-2-80:2019
Asendatud järgmise dokumendiga: EVS-EN ISO 80601-2-80:2024
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN ISO 23611-5:2013

Soil quality - Sampling of soil invertebrates - Part 5: Sampling and extraction of soil macro-invertebrates (ISO 23611-5:2011)

Keel: en
Alusdokumendid: ISO 23611-5:2011; EN ISO 23611-5:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 23611-5:2024
Standardi staatus: Kehtetu

EVS-EN ISO 9241-5:2004

Ergonoomianõuded bürootööle kuvaterminalidega. Osa 5: Nõuded töökohale
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 5: Workstation and postural requirements

Keel: en
Alusdokumendid: ISO 9241-5:1998; EN ISO 9241-5:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-5:2024
Standardi staatus: Kehtetu

EVS-ISO 12039:2006

Paiksete saasteallikate heited. Süsinikmonoksiidi, süsinikdioksiidi ja hapniku määramine. Automaatmõõteseadmete suutlikkusnäitajad ja kalibreerimine
Stationary source emissions - Determination of carbon monoxide, carbon dioxide and oxygen - Performance characteristics and calibration of automated measuring systems

Keel: en, et
Alusdokumendid: ISO 12039:2001
Asendatud järgmise dokumendiga: EVS-ISO 12039:2024
Standardi staatus: Kehtetu

EVS-ISO 7935:2006

Paiksete saasteallikate heited. Vääveldioksiidi massikontsentratsiooni määramine . Automaatmõõtemeetodite suutlikkusnäitajad
Stationary source emissions - Determination of the mass concentration of sulfur dioxide - Performance characteristics of automated methods

Keel: en, et
Alusdokumendid: ISO 7935:1992
Asendatud järgmise dokumendiga: EVS-ISO 7935:2024
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-ISO 9613-2:2006

Akustika. Heli sumbumine välistingimustes leviku korral. Osa 2: Üldine arvutusmeetod
Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (ISO 9613-2:1996, identical)

Keel: en, et
Alusdokumendid: ISO 9613-2:1996; EVS-ISO 9613-2:2006/AC:2020
Asendatud järgmise dokumendiga: EVS-ISO 9613-2:2024
Parandatud järgmise dokumendiga: EVS-ISO 9613-2:2006/AC:2020
Standardi staatus: Kehtetu

EVS-ISO 9613-2:2006/AC:2020

Akustika. Heli sumbumine välistingimustes leviku korral. Osa 2: Üldine arvutusmeetod
Acoustics - Attenuation of sound during propagation outdoors - Part 2: General method of calculation (ISO 9613-2:1996, identical)

Keel: en
Asendatud järgmise dokumendiga: EVS-ISO 9613-2:2024
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 12560-1:2001
Flanges and their joints - Gaskets for Class-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts

Keel: en
Alusdokumendid: EN 12560-1:2001
Asendatud järgmise dokumendiga: EVS-EN 12560-1:2024
Standardi staatus: Kehtetu

EVS-EN 1514-1:1999
Äärikud ja nende ühendused. Tihendite mõõtmed PN-tähistusega äärikute jaoks. Osa 1: Mittemetallist lamedad tihendid sissepandava osaga või ilma
Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts

Keel: en
Alusdokumendid: EN 1514-1:1997
Asendatud järgmise dokumendiga: EVS-EN 1514-1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 13351:2010
Fans - Dimensions

Keel: en
Alusdokumendid: ISO 13351:2009; EN ISO 13351:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 13351:2024
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 62282-8-201:2020
Fuel cell technologies - Part 8-201: Energy storage systems using fuel cell modules in reverse mode - Test procedures for the performance of power-to-power systems

Keel: en
Alusdokumendid: IEC 62282-8-201:2020; EN IEC 62282-8-201:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62282-8-201:2024
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60079-17:2014
Plahvatusohtlikud keskkonnad. Osa 17: Elektripaigaldiste kontroll ja korrashoid
Explosive atmospheres -- Part 17: Electrical installations inspection and maintenance

Keel: en, et
Alusdokumendid: IEC 60079-17:2013; EN 60079-17:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60079-17:2024
Standardi staatus: Kehtetu

EVS-EN 60228:2005
Kaablite sooned
Conductors of insulated cables

Keel: en
Alusdokumendid: IEC 60228:2004; EN 60228:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60228:2024
Standardi staatus: Kehtetu

EVS-EN 60422:2013
Mineral insulating oils in electrical equipment - Supervision and maintenance guidance (IEC 60422:2013)

Keel: en
Alusdokumendid: IEC 60422:2013; EN 60422:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60422:2024
Standardi staatus: Kehtetu

EVS-EN IEC 61535:2019
Paigaldus-pistikühendused püsivaks ühendamiseks kohtkindlates paigaldistes
Installation couplers intended for permanent connection in fixed installations

Keel: en
Alusdokumendid: IEC 61535:2019; EN IEC 61535:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61535:2024
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 61968-9:2014
Application integration at electric utilities - System interfaces for distribution management -- Part 9: Interfaces for meter reading and control

Keel: en
Alusdokumendid: IEC 61968-9:2013; EN 61968-9:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61968-9:2024
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN ISO 9241-5:2004
Ergonoomianõuded bürootööle kuvaterminalidega. Osa 5: Nõuded töökohale
Ergonomic requirements for office work with visual display terminals (VDTs) - Part 5: Workstation and postural requirements

Keel: en
Alusdokumendid: ISO 9241-5:1998; EN ISO 9241-5:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-5:2024
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3155-002:2011
Aerospace series - Electrical contacts used in elements of connection - Part 002: List and utilization of contacts

Keel: en
Alusdokumendid: EN 3155-002:2011
Asendatud järgmise dokumendiga: EVS-EN 3155-002:2024
Standardi staatus: Kehtetu

EVS-EN 4500-001:2012
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 001: General rules

Keel: en
Alusdokumendid: EN 4500-001:2012
Asendatud järgmise dokumendiga: EVS-EN 4500-001:2024
Standardi staatus: Kehtetu

EVS-EN 4500-003:2012
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 003: Specific rules for heat resisting alloys

Keel: en
Alusdokumendid: EN 4500-003:2012
Asendatud järgmise dokumendiga: EVS-EN 4500-003:2024
Standardi staatus: Kehtetu

EVS-EN 4500-004:2012
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 004: Specific rules for titanium and titanium alloys

Keel: en
Alusdokumendid: EN 4500-004:2012
Asendatud järgmise dokumendiga: EVS-EN 4500-004:2024
Standardi staatus: Kehtetu

EVS-EN 4500-005:2012
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 005: Specific rules for steels

Keel: en
Alusdokumendid: EN 4500-005:2012
Asendatud järgmise dokumendiga: EVS-EN 4500-005:2024
Standardi staatus: Kehtetu

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 21898:2005
Packaging - Flexible intermediate bulk containers (FIBCs) for non-dangerous goods

Keel: en
Alusdokumendid: ISO 21898:2004; EN ISO 21898:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 21898:2024
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 1049-2:2000
Tekstiil. Riie. Struktuur. Analüüsimeetodid. Osa 2: Riide tiheduse (niitide arvu) määramine pikkusühiku kohta
Textiles - Woven Fabrics - Construction - Methods of analysis - Part 2: Determination of number of threads per unit length

Keel: en
Alusdokumendid: EN 1049-2:1993
Asendatud järgmise dokumendiga: EVS-EN ISO 7211-2:2024
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN ISO 18497:2018
Põllumajandusmasinad ja traktorid. Suures osas automatiseeritud põllumajandusmasinate ohutusnõuded. Konstrueerimise põhimõtted
Agricultural machinery and tractors - Safety of highly automated agricultural machines - Principles for design (ISO 18497:2018)

Keel: en
Alusdokumendid: ISO 18497:2018; EN ISO 18497:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 18497-1:2024
Asendatud järgmise dokumendiga: EVS-EN ISO 18497-2:2024
Asendatud järgmise dokumendiga: EVS-EN ISO 18497-3:2024
Asendatud järgmise dokumendiga: EVS-EN ISO 18497-4:2024
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 13032:2012
Petroleum products - Determination of low concentration of sulfur in automotive fuels - Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2012)

Keel: en
Alusdokumendid: ISO 13032:2012; EN ISO 13032:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 13032:2024
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN ISO 642:2003
Steel - Hardenability test by end quenching (Jominy test)

Keel: en
Alusdokumendid: ISO 642:1999; EN ISO 642:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 642:2024
Standardi staatus: Kehtetu

EVS-EN ISO 643:2020

Steels - Micrographic determination of the apparent grain size (ISO 643:2019, Corrected version 2020-03)

Keel: en
Alusdokumendid: ISO 643:2019; EN ISO 643:2020
Asendatud järgmise dokumendiga: EVS-EN ISO 643:2024
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 22459:2022

Fine ceramics (advanced ceramics, advanced technical ceramics) - Reinforcement of ceramic composites - Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020)

Keel: en
Alusdokumendid: ISO 22459:2020; EN ISO 22459:2022
Asendatud järgmise dokumendiga: EVS-EN ISO 22459:2024
Standardi staatus: Kehtetu

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 17895:2005

Paints and varnishes - Determination of the volatile organic compound content of low-VOC emulsion paints (in-can VOC)

Keel: en
Alusdokumendid: ISO 17895:2005; EN ISO 17895:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 17895:2024
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN ISO 16890-3:2016

Üldventilatsiooni õhufiltrid. Osa 3: Gravimeetrilise eralduse ja õhuvoolu takistuse määramine võrreldes kinnipüütud katsetolmu massiga
Air filters for general ventilation - Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2016)

Keel: en
Alusdokumendid: ISO 16890-3:2016; EN ISO 16890-3:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 16890-3:2024
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

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

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

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

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

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN ISO 11979-1
Ophthalmic implants - Intraocular lenses - Part 1: Vocabulary (ISO/DIS 11979-1:2024)

This document contains definitions of terms related to intraocular lenses and definitions of the methods used to evaluate them. NOTE Terms are listed in the alphabetical order of the English terms in the English version of this document.

Keel: en
Alusdokumendid: ISO/DIS 11979-1; prEN ISO 11979-1
Asendab dokumenti: EVS-EN ISO 11979-1:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 22300
Security and resilience - Vocabulary (ISO/DIS 22300:2024)

This document defines terms used in security and resilience standards.

Keel: en
Alusdokumendid: ISO/DIS 22300; prEN ISO 22300
Asendab dokumenti: EVS-EN ISO 22300:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 5577
Non-destructive testing - Ultrasonic testing - Vocabulary (ISO/DIS 5577:2024)

ISO 5577:2017 defines the terms used in ultrasonic non-destructive testing and forms a common basis for standards and general use. This document does not cover terms used in ultrasonic testing with phased arrays. NOTE Terms for phased array ultrasonic testing are defined in EN 16018.

Keel: en
Alusdokumendid: ISO/DIS 5577; prEN ISO 5577
Asendab dokumenti: EVS-EN ISO 5577:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

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

EN 17463:2021/prA1
Valuation of Energy Related Investments (VALERI) - Amendment 1

To amend EN 17463 to fix some errors

Keel: en
Alusdokumendid: EN 17463:2021/prA1
Muudab dokumenti: EVS-EN 17463:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

EN ISO 22163:2024/prA1

Railway applications - Railway quality management system - ISO 9001:2015 and specific requirements for application in the railway sector - Amendment 1: Climate action changes (ISO 22163:2023/Amd 1:2024)

Amendment to EN ISO 22163:2024

Keel: en
Alusdokumendid: ISO 22163:2023/Amd 1:2024; EN ISO 22163:2024/prA1
Muudab dokumenti: EVS-EN ISO 22163:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 17419

Intelligent transport systems - Globally unique identification (ISO/DIS 17419:2024)

This document — describes and specifies globally unique addresses and identifiers (ITS-S object identifiers) which are both internal and external to ITS stations and are used for ITS station management, — describes how ITS-S object identifiers and related technical parameters are used for classification, registration and management of ITS applications and ITS application classes, — describes how ITS-S object identifiers are used in the ITS communication protocol stack, — introduces an organizational framework for registration and management of ITS-S objects, — defines and specifies management procedures at a high functional level, — is based on the architecture of an ITS station specified in ISO 21217:2014 as a Bounded Secured Managed Domain (BSMD), — specifies an ASN.1 module for the identifiers, addresses, and registry records identified in this document, and — specifies an ASN.1 module for a C-ITS Data Dictionary containing ASN.1 type definitions of general interest.

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

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 17423

Intelligent transport systems - Application requirements and objectives (ISO/DIS 17423:2024)

This document — specifies communication service parameters presented by ITS station (ITS-S) application processes to the ITS-S management in support of automatic selection of ITS-S communication profiles in an ITS station unit (ITS-SU), — specifies related procedures for the static and dynamic ITS-S communication profile selection processes at a high functional level, — provides an illustration of objectives used to estimate an optimum ITS-S communication profile.

Keel: en
Alusdokumendid: ISO/DIS 17423; prEN ISO 17423
Asendab dokumenti: EVS-EN ISO 17423:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 18750

Intelligent transport systems - Local dynamic map (ISO/DIS 18750:2024)

This document: — describes the functionality of a "Local Dynamic Map" (LDM) in the context of the "Bounded Secured Managed Domain" (BSMD); — specifies: — general characteristics of LDM Data Objects (LDM-DOs) that may be stored in an LDM, i.e. information on real objects such as vehicles, road works sections, slow traffic sections, special weather condition sections, etc. which are as a minimum requirement location-referenced and time-referenced; — service access point functions providing interfaces in an ITS station (ITS-S) to access an LDM for: — secure add, update and delete access for ITS-S application processes; — secure read access (query) for ITS-S application processes; — secure notifications (upon subscription) to ITS-S application processes; — management access: — secure registration, de-registration and revocation of ITS-S application processes at LDM; — secure subscription and cancellation of subscriptions of ITS-S application processes; — procedures in an LDM considering: — means to maintain the content and integrity of the data store; — mechanisms supporting several LDMs in a single ITS station unit.

Keel: en
Alusdokumendid: ISO/DIS 18750; prEN ISO 18750
Asendab dokumenti: EVS-EN ISO 18750:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 22300

Security and resilience - Vocabulary (ISO/DIS 22300:2024)

This document defines terms used in security and resilience standards.

Keel: en
Alusdokumendid: ISO/DIS 22300; prEN ISO 22300
Asendab dokumenti: EVS-EN ISO 22300:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEVS-ISO 10015

Kvaliteedijuhtimine – juhised kompetentside juhtimiseks ja inimeste arendamiseks
Quality management -- Guidelines for competence management and people development

See dokument annab organisatsioonile juhised kompetentsijuhtimise ja inimeste arendamise süsteemide sisseseadmiseks, rakendamiseks, toimivana hoidmiseks ja parendamiseks, et mõjutada positiivselt toodete ja teenuste vastavusega seotud tulemusi ning asjakohaste huvipoolte vajadusi ja ootusi. See dokument on kohaldatav kõikidele organisatsioonidele, olenemata nende tüübist või suurusest. See ei lisa, muuda ega modifitseeri muul viisil ISO 9000 perekonna või mis tahes teiste standardite nõudeid

Keel: en
Alusdokumendid: ISO 10015:2019
Asendab dokumenti: EVS-ISO 10015:2008

Arvamusküsitluse lõppkuupäev: 14.11.2024

07 LOODUS- JA RAKENDUSTEADUSED

prEN ISO 21362

Nanotechnologies - Analysis of nano-objects using asymmetrical flow and centrifugal field-flow fractionation (ISO/DIS 21362:2024)

This document identifies parameters and conditions, as part of an integrated measurement system, necessary to develop and validate methods for the application of asymmetrical-flow and centrifugal field-flow fractionation to the analysis of nano-objects and their aggregates and agglomerates dispersed in aqueous media. In addition to constituent fractionation, analysis can include size, size distribution, concentration and material identification using one or more suitable detectors. General guidelines and procedures are provided for application, and minimal reporting requirements necessary to reproduce a method and to convey critical aspects are specified.

Keel: en
Alusdokumendid: ISO/DIS 21362; prEN ISO 21362
Asendab dokumenti: CEN ISO/TS 21362:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

11 TERVISEHOOLDUS

prEN IEC 62083:2024

Medical device software - Requirements for the safety of radiotherapy treatment planning systems

This Standard, with the inclusion of type test (3.2.70) and site test (3.2.58), applies to the design, manufacture, installation, and maintenance of the radiotherapy treatment planning system (RTPS) (3.1.14) as well as communication of the radiotherapy treatment planning system (RTPS) (3.1.14) with other devices: - used in medical practice; - that imports data either through input by the operator (3.2.39) or from other devices; - that outputs data to other devices; and - that is intended to be - for normal use (3.2.36) , under the authority of appropriately qualified person (3.1.12), by operator (3.2.39) having the required skills and training; - used and maintained in accordance with the recommendations given in the instructions for use (3.2.23) , and - used within the environmental conditions specified (3.2.61) in the technical description. This standard applies to any software application that is used for the development, evaluation, or approval of a treatment plan (3.1.18) , whether stand-alone or part of another system. Such software applications include prescribing systems, contouring systems, quality assurance (3.2.45) systems, plan analysis systems, or plan review systems.

Keel: en
Alusdokumendid: 62C/920/CDV; prEN IEC 62083:2024
Asendab dokumenti: EVS-EN 62083:2010

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 11979-1

Ophthalmic implants - Intraocular lenses - Part 1: Vocabulary (ISO/DIS 11979-1:2024)

This document contains definitions of terms related to intraocular lenses and definitions of the methods used to evaluate them. NOTE Terms are listed in the alphabetical order of the English terms in the English version of this document.

Keel: en
Alusdokumendid: ISO/DIS 11979-1; prEN ISO 11979-1
Asendab dokumenti: EVS-EN ISO 11979-1:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 11979-4

Ophthalmic implants - Intraocular lenses - Part 4: Labelling and information (ISO/DIS 11979-4:2024)

ISO 11979-4:2008 specifies the labelling requirements for intraocular lenses (IOLs) and the information to be provided within or on the packaging.

Keel: en
Alusdokumendid: ISO/DIS 11979-4; prEN ISO 11979-4

Asendab dokumenti: EVS-EN ISO 11979-4:2009
Asendab dokumenti: EVS-EN ISO 11979-4:2009/A1:2012

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 8536-16

Infusion equipment for medical use - Part 16: Infusion sets for single use with volumetric infusion controllers (ISO/DIS 8536-16:2024)

This document specifies the requirements for sterilized, single-use, gravity feed infusion sets used together with the volumetric infusion controllers. NOTE In some countries, the national pharmacopoeia or other national regulations are legally binding and take precedence over this document.

Keel: en
Alusdokumendid: ISO/DIS 8536-16; prEN ISO 8536-16

Arvamusküsitluse lõppkuupäev: 14.11.2024

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN ISO 15382

Radiological protection - Procedures for monitoring the dose to the lens of the eye, the skin and the extremities (ISO/DIS 15382:2024)

ISO 15382:2015 provides procedures for monitoring the dose to the skin, the extremities, and the lens of the eye. It gives guidance on how to decide if such dosemeters are needed and to ensure that individual monitoring is appropriate to the nature of the exposure, taking practical considerations into account. National regulations, if they exist, provide requirements that need to be followed. ISO 15382:2015 specifies procedures for individual monitoring of radiation exposure of the skin, extremities (hands, fingers, wrists, forearms, feet and ankles), and lens of the eye in planned exposure situations. It covers practices which involve a risk of exposure to photons in the range of 8 keV to 10 MeV and electrons and positrons in the range of 60 keV to 10 MeV. ISO 15382:2015 gives guidance for the design of a monitoring program to ensure compliance with legal individual dose limits. It refers to the appropriate operational dose quantities, and it gives guidance on the type and frequency of individual monitoring and the type and positioning of the dosemeter. Finally, different approaches to assess and analyse skin, extremity, and lens of the eye doses are given. It is not in the scope of this International Standard to consider exposure due to alpha or neutron radiation fields.

Keel: en
Alusdokumendid: ISO/DIS 15382; prEN ISO 15382
Asendab dokumenti: EVS-EN ISO 15382:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 16703

Environmental Solid Matrices - Determination of hydrocarbon content in the range of C10 to C40 by gas chromatography (ISO/DIS 16703:2024)

ISO 16703:2004 specifies a method for the quantitative determination of the mineral oil (hydrocarbon) content in field-moist soil samples by gas chromatography. The method is applicable to mineral oil contents (mass fraction) between 100 mg/kg and 10 000 mg/kg soil, expressed as dry matter, and can be adapted to lower detection limits. ISO 16703:2004 is applicable to the determination of all hydrocarbons with a boiling range of 175 °C to 525 °C, n-alkanes from C10H22 to C40H82, isoalkanes, cycloalkanes, alkylbenzenes, alkylnaphthalenes and polycyclic aromatic compounds, provided that they are not absorbed on the specified column during the clean-up procedure. ISO 16703:2004 is not applicable to the quantitative determination of hydrocarbons < C10 originating from gasolines. On the basis of the peak pattern of the gas chromatogram obtained, and of the boiling points of the individual n-alkanes listed in Annex B, the approximate boiling range of the mineral oil and some qualitative information on the composition of the contamination can be achieved.

Keel: en
Alusdokumendid: ISO/DIS 16703; prEN ISO 16703
Asendab dokumenti: EVS-EN ISO 16703:2011

Arvamusküsitluse lõppkuupäev: 14.11.2024

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN ISO 19361

Measurement of radioactivity - Determination of beta emitters activities -Test method using liquid scintillation counting (ISO/DIS 19361:2024)

ISO 19361:2017 applies to liquid scintillation counters and requires the preparation of a scintillation source obtained by mixing the test sample and a scintillation cocktail. The test sample can be liquid (aqueous or organic), or solid (particles or filter or planchet). ISO 19361:2017describes the conditions for measuring the activity of beta emitter radionuclides by liquid scintillation counting[14][15]. The choice of the test method using liquid scintillation counting involves the consideration of the potential presence of other beta emitter radionuclides in the test sample. In this case, a specific sample treatment by separation or extraction is implemented to isolate the radionuclide of interest in order to avoid any interference with other beta-, alpha- and gamma-emitting radionuclides during the counting phase. ISO 19361:2017 is applicable to all types of liquid samples having an activity concentration ranging from a few Bq·l−1 to 106 Bq·l−1. For a liquid test sample, it is possible to dilute liquid test samples in order to obtain a solution having an activity compatible with the measuring instrument. For solid samples, the activity of the prepared scintillation source shall be compatible with the measuring instrument. The measurement range is related to the test method used:

nature of test portion, preparation of the scintillator - test portion mixture, measuring assembly as well as to the presence of the co-existing activities due to interfering radionuclides. Test portion preparations (such as distillation for 3H measurement, or benzene synthesis for 14C measurement, etc.) are outside the scope of this document and are described in specific test methods using liquid scintillation[2][3][4][5][6][7][8][9].

Keel: en
Alusdokumendid: ISO/DIS 19361; prEN ISO 19361
Asendab dokumenti: EVS-EN ISO 19361:2020

Arvamusküsitluse lõppkuupäev: 14.11.2024

19 KATSETAMINE

prEN IEC 60068-2-83:2024

Environmental testing - Part 2-83: Tests - Test tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste

This part of IEC 60068 provides methods for comparative investigation of the wettability of the metallic terminations or metallized terminations of SMDs with solder paste. Data obtained by these methods are not intended to be used as absolute quantitative data for pass – fail purposes. NOTE Different solderability test methods for SMD are described in IEC 60068-2-58 and IEC 60068-2-69. IEC 60068-2-58 prescribes visual evaluation using solder bath and reflow method, IEC 60068-2-69 prescribes wetting balance evaluation using solder bath and solder globule method.

Keel: en
Alusdokumendid: 91/1968/CDV; prEN IEC 60068-2-83:2024
Asendab dokumenti: EVS-EN 60068-2-83:2011

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 61010-2-020:2024

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges

This clause of Part 1 is applicable except as follows: 1.1 Scope 1.1.1 Equipment included in scope Replacement: This part of IEC 61010 is applicable to electrically powered LABORATORY CENTRIFUGES. It is possible that all or part of the equipment falls within the scope of one or more other Part 2 standards of IEC 61010 as well as within the scope of this standard. In that case, the requirements of those other Part 2 standards will also apply. 1.1.2 Equipment excluded from scope Addition: Add the following new item: aa) IEC 60034 (Rotating electrical machinery). 1.2 Object 1.2.1 Aspects included in scope Addition: Add the following new items: aa) contact with moving parts (see 7.3); bb) LABORATORY CENTRIFUGE movement during any DISRUPTION (see 7.4.101); cc) high energy chemical reaction after ROTOR DISRUPTION (see 7.7.2.2 l)); dd) ineffectiveness of BIOSEALS (see 13.101).

Keel: en
Alusdokumendid: 66/820/CDV; prEN IEC 61010-2-020:2024
Asendab dokumenti: EVS-EN 61010-2-020:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 5577

Non-destructive testing - Ultrasonic testing - Vocabulary (ISO/DIS 5577:2024)

ISO 5577:2017 defines the terms used in ultrasonic non-destructive testing and forms a common basis for standards and general use. This document does not cover terms used in ultrasonic testing with phased arrays. NOTE Terms for phased array ultrasonic testing are defined in EN 16018.

Keel: en
Alusdokumendid: ISO/DIS 5577; prEN ISO 5577
Asendab dokumenti: EVS-EN ISO 5577:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN 12080

Railway applications - Axleboxes - Rolling bearings

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the load of the vehicle, required for reliable operation of trains on European networks. It covers metallurgical and material properties as well as geometric and dimensional characteristics. It also defines methods for quality assurance and conditions for approval of the products.

Keel: en
Alusdokumendid: prEN 12080
Asendab dokumenti: EVS-EN 12080:2017+A1:2022

Arvamusküsitluse lõppkuupäev: 14.11.2024

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 17166

Fans - Procedures and methods to determine the energy efficiency for the electrical input power range of 125 W up to 500 kW

This document provides procedures and methods for measuring and/or calculating the energy efficiency and associated characteristics of fans when driven by electric motors. This document deals with the following fan types; - axial fan; - centrifugal forward curved fan, centrifugal radial bladed fan; - centrifugal backward curved fan without housing, including centrifugal backward aerofoil fans; - centrifugal backward curved fan with housing, including centrifugal backward aerofoil fans; - mixed flow fan; - cross flow fan; - jet fan. It provides procedures and methods to evaluate the compliance of the fan efficiency against minimum efficiency requirements. This document includes stand-alone fans and fans that are integrated in other products. It gives guidance to manufacturers in providing information to surveillance authorities to describe the full extent of the fan by describing boundaries, significant elements and additional parts. Some units previously identified as fans are now defined as Uni-Directional Ventilation Units. This document explains and shows by way of examples the difference between fans and Uni-Directional Ventilation Units. This standard does not include: - Uni-Directional Ventilation Units; - fans that are designed specifically to operate in toxic, highly corrosive or flammable environments or in environments with abrasive substances, see Annex C.

Keel: en
Alusdokumendid: prEN 17166

Arvamusküsitluse lõppkuupäev: 14.11.2024

25 TOOTMISTEHNOLOOGIA

prEN IEC 61298-1:2024

Process measurement and control devices - General methods and procedures for evaluating performance - Part 1: General considerations

This part of IEC 61298 specifies general methods and procedures for conducting tests, and reporting on the functional and performance characteristics of process instrumentation except Process Measurement Transmitters (PMT) which are standardized by IEC series 62828. The tests are applicable to any such devices characterized by their own specific input and output variables, and by the specific relationship (transfer function) between the inputs and outputs, and include analogue and digital devices. For devices that require special tests, this standard should be used, together with any product specific standard specifying special tests. This standard covers general principles which apply to the series.

Keel: en
Alusdokumendid: 65B/1269/CDV; prEN IEC 61298-1:2024
Asendab dokumenti: EVS-EN 61298-1:2009

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 61298-2:2024

Process measurement and control devices - General methods and procedures for evaluating performance - Part 2: Tests under reference conditions

This part of IEC 61298 specifies general methods and procedures for conducting tests and reporting on the functional and performance characteristics of process instrumentation except Process Measurement Transmitters (PMT) which are standardized by IEC series 62828. The tests are applicable to any such devices characterized by their own specific input and output variables, and by the specific relationship (transfer function) between the inputs and outputs, and include analogue and digital devices. For devices that require special tests, this standard should be used, together with any product specific standard specifying special tests. This standard covers tests made under reference conditions.

Keel: en
Alusdokumendid: 65B/1270/CDV; prEN IEC 61298-2:2024
Asendab dokumenti: EVS-EN 61298-2:2009

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 61298-3:2024

Process measurement and control devices - General methods and procedures for evaluating performance - Part 3: Tests for the effects of influence quantities

This part of IEC 61298 specifies general methods and procedures for conducting tests and reporting on the functional and performance characteristics of process instrumentation except Process Measurement Transmitters (PMT) which are standardized by IEC series 62828. The tests are applicable to any such devices characterized by their own specific input and output variables, and by the specific relationship (transfer function) between the inputs and outputs, and include analogue and digital devices. For devices that require special tests, this standard should be used, together with any product-specific standard specifying special tests. This standard covers tests for the effects of influence quantities.

Keel: en
Alusdokumendid: 65B/1271/CDV; prEN IEC 61298-3:2024
Asendab dokumenti: EVS-EN 61298-3:2009

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 13482

Robotics - Safety requirements for service robots (ISO/DIS 13482:2024)

This standard specifies the safety requirements for service robots used in personal and professional/commercial applications. The service robots concerned, and the extent to which hazards, hazardous situations or hazardous events are covered, are indicated in this standard. This safety standard considers the conditions for physical human-robot contact to formulate safety requirements for service robots. It includes additional information on the functional safety for service robots. This standard is not intended to cover robots used in industrial applications and medical applications.

Keel: en
Alusdokumendid: ISO/DIS 13482; prEN ISO 13482
Asendab dokumenti: EVS-EN ISO 13482:2014

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 8502-5

Preparation of steel substrates before application of paints and related products - Tests for the assessment of surface cleanliness - Part 5: Measurement of chloride on steel surfaces prepared for painting (ion detection tube method) (ISO/DIS 8502-5:2024)

This part of ISO 8502 describes a field test for the measurement of chloride ions using special detection tubes. With suitable surface sampling techniques, the test is applicable to steel surfaces before and after cleaning, as well as to painted surfaces between applications of coats.

Keel: en
Alusdokumendid: ISO/DIS 8502-5; prEN ISO 8502-5
Asendab dokumenti: EVS-EN ISO 8502-5:2005

Arvamusküsitluse lõppkuupäev: 14.11.2024

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN 17463:2021/prA1

Valuation of Energy Related Investments (VALERI) - Amendment 1

To amend EN 17463 to fix some errors

Keel: en
Alusdokumendid: EN 17463:2021/prA1
Muudab dokumenti: EVS-EN 17463:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

29 ELEKTROTEHNIKA

prEN IEC 60034-30-1:2024

Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code)

This part of IEC 60034 specifies efficiency classes for single-speed electric motors that are rated according to IEC 60034-1 or IEC 60079-0 and are rated for operation on a sinusoidal 50 Hz, 60 Hz and/or 50/60 Hz voltage supply and: • have a rated power PN 189 from 0,12 kW to 1 000 kW • have a rated voltage UN 190 ffrom 50 V up to and including 1 000 V • have 2, 4, 6 or 8 poles • are capable of continuous operation at their rated power with a temperature rise within the specified insulation temperature class NOTE 1 Most motors covered by this standard are rated for duty type S1 (continuous duty). However, some motors that are rated for other duty cycles are still capable of continuous operation at their rated power and these motors are also covered. • are marked with any ambient temperature within the range of –20 °C to +60 °C NOTE 2 The rated efficiency and efficiency classes are based on 25 °C ambient temperature according to IEC 60034-2-1. NOTE 3 Motors exclusively rated for temperatures outside the range – 20 °C and +60 °C are considered to be of special construction and are consequently excluded from this standard. NOTE 4 Smoke extraction motors with a temperature class of up to and including 400 °C are covered by this standard. • are marked with an altitude up to 4 000 m above sea level. NOTE 5 The rated efficiency and efficiency class are based on a rating for altitudes up to 1 000 m above sea level. This standard establishes a set of nominal efficiency values based on supply frequency, number of poles and motor output power. No distinction is made between motor technologies, supply voltage or motors with increased insulation designed specifically for converter operation even though these motor technologies may not all be capable of reaching the higher efficiency classes (see Table 1). This makes different motor technologies fully comparable with respect to their energy efficiency potential. NOTE 6 Regulators should consider the above constraints when assigning national minimum energy-efficiency performance standards (MEPS) with respect to any particular type of motor. The efficiency of power-drive systems is not covered by this standard. Motor losses due to harmonic content of the supply voltage, losses in cables, filters and frequency-converters, are not covered. Motors with flanges, feet and/or shafts with mechanical dimensions different from IEC 60072-1 are covered by this standard. Geared motors are covered by this standard including those incorporating non-standard shafts and flanges.

Keel: en
Alusdokumendid: 2/2209/CDV; prEN IEC 60034-30-1:2024
Asendab dokumenti: EVS-EN 60034-30-1:2014

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60079-28:2024

Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation

This part of IEC 60079 specifies additional requirements for Ex Equipment, Ex associated equipment or Ex Components containing optical systems emitting optical radiation, which is exposed to explosive atmospheres. These additional requirements are applicable for all equipment groups and all Equipment Protection Levels (EPL). 1This document contains requirements for optical radiation in the wavelength range from 380 nm to 10 µm. It covers the following ignition mechanisms: • Optical radiation is absorbed by surfaces or particles, causing them to heat up, and under certain circumstances this may allow them to attain a temperature which will ignite a surrounding explosive atmosphere. • In rare special cases, direct laser induced breakdown of the gas at the focus of a strong beam, producing plasma and a shock wave both eventually acting as ignition source. These processes can be supported by a solid material close to the breakdown point. NOTE 1 See a) and d) of the introduction. This document applies to i) laser equipment; and ii) optical fibre equipment; and iii) any optical system that converts light into convergent beams with focal points within the hazardous area.

Keel: en
Alusdokumendid: 31/1793/CDV; prEN IEC 60079-28:2024
Asendab dokumenti: EVS-EN 60079-28:2015
Asendab dokumenti: EVS-EN 60079-28:2015/A11:2024
Asendab dokumenti: EVS-EN 60079-28:2015+A11:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60086-2-1:2024

Primary batteries - Part 2-1: Physical and electrical specifications of batteries with aqueous electrolyte

This part of IEC 60086 is applicable to primary batteries which are based on standardised electrochemical systems using aqueous electrolytes. It specifies – the physical dimensions, – the discharge test conditions and discharge performance requirements.

Keel: en
Alusdokumendid: 35/1550/CDV; prEN IEC 60086-2-1:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60086-2-2:2024

Primary batteries - Part 2-2: Physical and electrical specifications of lithium batteries

This part of IEC 60086 is applicable to primary batteries which are based on standardised lithium (non-aqueous) electrochemical systems. It specifies – the physical dimensions, – the discharge test conditions and discharge performance requirements.

Keel: en
Alusdokumendid: 35/1551/CDV; prEN IEC 60086-2-2:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 63208:2024

Switchgear and controlgear and their assemblies for low voltage - Security aspects

This document applies to the main functions of switchgear, controlgear and their assemblies, called equipment, in the context of operational technology (OT 3.1.31). It is applicable to equipment with wired or wireless data communication means and their physical accessibility, within their limits of environmental conditions. It is intended to achieve the appropriate physical and cybersecurity mitigation against vulnerabilities to security threats. This document provides requirements on the appropriate: – security risk assessment to be developed including the attack levels, the typical threats, the impact assessment and the relationship with safety; – levels of exposure of the communication interface and the determination of the equipment security level; – assessment of the exposure level of the communication interfaces; – assignment of the required security measures for the equipment; – countermeasures for the physical access and the environment derived from ISO/IEC 27001:2013; – countermeasures referring to IEC 62443-4-2 with their criteria of applicability; – user instructions for installation, operation and maintenance; – conformance verification and testing, and – security protection profiles by family of equipment (Annex E to Annex I). In particular, it focuses on potential vulnerabilities to threats resulting in: – unintended operation, which can lead to hazardous situations; – unavailability of the protective functions (overcurrent, earth leakage, etc.); – other degradation of main function. It also provides guidance on the cybersecurity management with the: – roles and responsibilities (Table 4); – typical architectures (Annex A) – use cases (Annex B) – development methods (Annex C) – recommendations to be provided to users and for integration into an assembly (Annex D) – bridging references to cybersecurity management systems (Annex K) This document does not cover security requirement for – information technology (IT), – industrial automation and control systems (IACS), engineering workstations and their software applications, – critical infrastructure or energy management systems, – network device (communication network switch or virtual private network terminator), or – data confidentiality other than for critical security parameters – design lifecycle management. For this aspect, see IEC 62443-4-1, ISO/IEC 27001 or other security lifecycle management standards. This document, as a product security publication, follows IEC Guide 12

Keel: en
Alusdokumendid: 121/172/CDV; prEN IEC 63208:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

31 ELEKTROONIKA

prEN IEC 60068-2-83:2024

Environmental testing - Part 2-83: Tests - Test tf: Solderability testing of electronic components for surface mounting devices (SMD) by the wetting balance method using solder paste

This part of IEC 60068 provides methods for comparative investigation of the wettability of the metallic terminations or metallized terminations of SMDs with solder paste. Data obtained by these methods are not intended to be used as absolute quantitative data for pass – fail purposes. NOTE Different solderability test methods for SMD are described in IEC 60068-2-58 and IEC 60068-2-69. IEC 60068-2-58 prescribes visual evaluation using solder bath and reflow method, IEC 60068-2-69 prescribes wetting balance evaluation using solder bath and solder globule method.

Keel: en
Alusdokumendid: 91/1968/CDV; prEN IEC 60068-2-83:2024
Asendab dokumenti: EVS-EN 60068-2-83:2011

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60749-21:2024

Semiconductor devices - Mechanical and climatic test methods - Part 21: Solderability

This part of IEC 60749 establishes a standard procedure for determining the solderability of device package terminations that are intended to be joined to another surface using tin -lead (SnPb) or lead-free (Pb-free) solder for the attachment. This test method provides a procedure for 'dip and look' solderability testing of through hole, axial and surface mount devices (SMDs) as well as an optional procedure for a board mounting solderability test for SMDs for the purpose of allowing simulation of the soldering process to be used in the device application. The test method also provides optional conditions for ageing. This test is considered destructive unless otherwise detailed in the relevant specification. NOTE 1 This test method does not assess the effect of thermal stresses which may occur during the soldering process. Reference should be made IEC 60749-15 or IEC 60749-20.

Keel: en
Alusdokumendid: 47/2862/CDV; prEN IEC 60749-21:2024
Asendab dokumenti: EVS-EN 60749-21:2011

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60749-24:2024

Semiconductor devices - Mechanical and climatic test methods - Part 24: Accelerated moisture resistance - Unbiased hast

The unbiased highly accelerated stress testing (HAST) is performed for the purpose of evaluating the reliability of non-hermetically packaged solid-state devices in humid environments. It is a highly accelerated test which employs temperature and humidity under non -condensing conditions to accelerate the penetration of moisture through the external protective material (encapsulant or seal) or along the interface between the external protective material and the metallic conductors which pass through it. Bias is not applied in this test to ensure that the failure mechanisms potentially overshadowed by bias can be uncovered (e.g. galvanic corrosion). This test is used to identify failure mechanisms internal to the package and is destructive.

Keel: en
Alusdokumendid: 47/2863/CDV; prEN IEC 60749-24:2024
Asendab dokumenti: EVS-EN 60749-24:2004

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 60749-7:2024

Semiconductor devices - Mechanical and climatic test methods - Part 7: Internal moisture content measurement and the analysis of other residual gases

This International Standard specifies the testing and measurement of water vapour and other gas content of the atmosphere inside a metal or ceramic hermetically sealed device. The test is used as a measure of the quality of the sealing process and to provide information about the long-term chemical stability of the atmosphere inside the package. It is applicable to semiconductor devices sealed in such a manner but generally only used for high reliability applications such as military or aerospace.

Keel: en
Alusdokumendid: 47/2861/CDV; prEN IEC 60749-7:2024
Asendab dokumenti: EVS-EN 60749-7:2011

Arvamusküsitluse lõppkuupäev: 14.11.2024

35 INFOTEHNOLOOGIA

prEN ISO 17419

Intelligent transport systems - Globally unique identification (ISO/DIS 17419:2024)

This document — describes and specifies globally unique addresses and identifiers (ITS-S object identifiers) which are both internal and external to ITS stations and are used for ITS station management, — describes how ITS-S object identifiers and related technical parameters are used for classification, registration and management of ITS applications and ITS application classes, — describes how ITS-S object identifiers are used in the ITS communication protocol stack, — introduces an organizational framework for registration and management of ITS-S objects, — defines and specifies management procedures

at a high functional level, — is based on the architecture of an ITS station specified in ISO 21217:2014 as a Bounded Secured Managed Domain (BSMD), — specifies an ASN.1 module for the identifiers, addresses, and registry records identified in this document, and — specifies an ASN.1 module for a C-ITS Data Dictionary containing ASN.1 type definitions of general interest.

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

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 17423
Intelligent transport systems - Application requirements and objectives (ISO/DIS 17423:2024)

This document — specifies communication service parameters presented by ITS station (ITS-S) application processes to the ITS-S management in support of automatic selection of ITS-S communication profiles in an ITS station unit (ITS-SU), — specifies related procedures for the static and dynamic ITS-S communication profile selection processes at a high functional level, — provides an illustration of objectives used to estimate an optimum ITS-S communication profile.

Keel: en
Alusdokumendid: ISO/DIS 17423; prEN ISO 17423
Asendab dokumenti: EVS-EN ISO 17423:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 18750
Intelligent transport systems - Local dynamic map (ISO/DIS 18750:2024)

This document: — describes the functionality of a "Local Dynamic Map" (LDM) in the context of the "Bounded Secured Managed Domain" (BSMD); — specifies: — general characteristics of LDM Data Objects (LDM-DOs) that may be stored in an LDM, i.e. information on real objects such as vehicles, road works sections, slow traffic sections, special weather condition sections, etc. which are as a minimum requirement location-referenced and time-referenced; — service access point functions providing interfaces in an ITS station (ITS-S) to access an LDM for: — secure add, update and delete access for ITS-S application processes; — secure read access (query) for ITS-S application processes; — secure notifications (upon subscription) to ITS-S application processes; — management access: — secure registration, de-registration and revocation of ITS-S application processes at LDM; — secure subscription and cancellation of subscriptions of ITS-S application processes; — procedures in an LDM considering: — means to maintain the content and integrity of the data store; — mechanisms supporting several LDMs in a single ITS station unit.

Keel: en
Alusdokumendid: ISO/DIS 18750; prEN ISO 18750
Asendab dokumenti: EVS-EN ISO 18750:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

43 MAANTEESÕIDUKITE EHITUS

prEN IEC 63584:2024
Open Charge Point Protocol (OCPP) (Fast track)

This specification defines version 2.0.1 of OCPP. After the release of OCPP 2.0, some issues were found in OCPP 2.0. Some of these issues could not be fixed issuing errata to the specification text only, as has been done with OCPP 1.6, but required changes to the protocol's machine-readable schema definition files that cannot be backward compatible. To prevent confusion in the market and possible interoperability issues in the field, OCA has decided to name this version: 2.0.1. OCPP 2.0.1 contains fixes for all the known issues, to date, not only the fixes to the messages. This version replaces OCPP 2.0. OCA advises implementers of OCPP to no longer implement OCPP 2.0 and only use version 2.0.1 going forward. Any mentions of "OCPP 2.0" refers to revision 2.0.1 unless specifically stated otherwise.

Keel: en
Alusdokumendid: prEN IEC 63584:2024; IEC 63584 ED1 (69/964/CDV)

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 18243
Electrically propelled mopeds and motorcycles - Test specifications and safety requirements for lithium-ion battery systems (ISO/DIS 18243:2024)

ISO 18243:2017 specifies the test procedures for lithium-ion battery packs and systems used in electrically propelled mopeds and motorcycles. The specified test procedures enable the user of this document to determine the essential characteristics on performance, safety and reliability of lithium-ion battery packs and systems. The user is also supported to compare the test results achieved for different battery packs or systems. ISO 18243:2017 enables setting up a dedicated test plan for an individual battery pack or system subject to an agreement between customer and supplier. If required, the relevant test procedures and/or test conditions of lithium-ion battery packs and systems are selected from the standard tests provided in this document to configure a dedicated test plan. NOTE 1 Electrically power-assisted cycles (EPAC) cannot be considered as mopeds. The definition of electrically power-assisted cycles can differ from country to country. An example of definition can be found in the EU Directive 2002/24/EC. NOTE 2 Testing on cell level is specified in IEC 62660 (all parts).

Keel: en
Alusdokumendid: ISO/DIS 18243; prEN ISO 18243

Asendab dokumenti: EVS-EN ISO 18243:2019
Asendab dokumenti: EVS-EN ISO 18243:2019/A1:2020

Arvamusküsitluse lõppkuupäev: 14.11.2024

45 RAUDTEETEHNIKA

EN ISO 22163:2024/prA1

Railway applications - Railway quality management system - ISO 9001:2015 and specific requirements for application in the railway sector - Amendment 1: Climate action changes (ISO 22163:2023/Amd 1:2024)

Amendment to EN ISO 22163:2024

Keel: en
Alusdokumendid: ISO 22163:2023/Amd 1:2024; EN ISO 22163:2024/prA1
Muudab dokumenti: EVS-EN ISO 22163:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 12080

Railway applications - Axleboxes - Rolling bearings

This European Standard specifies the quality parameters of axlebox rolling bearings supporting the load of the vehicle, required for reliable operation of trains on European networks. It covers metallurgical and material properties as well as geometric and dimensional characteristics. It also defines methods for quality assurance and conditions for approval of the products.

Keel: en
Alusdokumendid: prEN 12080
Asendab dokumenti: EVS-EN 12080:2017+A1:2022

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 12082-1

Railway applications - Axleboxes - Test procedures

This document specifies the principles and methods for a rig performance test of the system of axlebox rolling bearing(s), housing, seal(s) and grease, required for reliable operation of trains on European networks. It covers a rig performance test, a water tightness test and basic principles for a field test. Test parameters and minimum performance requirements for vehicles in operation on main lines are specified. Different test parameters and performance requirements may be selected for vehicles in operation on other networks (e.g. urban rail). This document is historically developed for outboard applications with rotating inner rings, but can be used for vehicles with inboard bearing arrangements. It gives some possible examples where a sequenced rig performance test addresses the broad range of different service conditions within a specific application or vehicle platform into account. It describes compatibility tests of components for their integration into the axlebox system. With respect to design requirements on the rolling bearing(s) according EN 12080 and grease according EN 12081, it outlines requirements for the deployment of the respective component or assembly. This documetn only applies to axleboxes equipped with rolling bearings and greases according to EN 12080 and EN 12081.

Keel: en
Alusdokumendid: prEN 12082-1
Asendab dokumenti: EVS-EN 12082:2017+A1:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 12082-2

Railway applications - Axleboxes - Deployment Procedure

This document specifies the principles and methods for deployment of the system of axlebox rolling bearing(s), housing, seal(s) and grease, required for reliable operation of trains on European networks. It covers the conformity assessment with respect to design requirements on the rolling bearing(s) according EN 12080 and grease according EN12081 as well as the performance of (rig) tests according to EN 12082 1 . This document is historically developed for outboard applications with rotating inner rings, but can be used for vehicles with inboard bearing arrangements with rotation inner rings. The present document describes the complete deployment procedure for new axleboxes. For certain cases and based on a documented risk assessment, a reduced deployment procedure is described. This document only applies to axleboxes equipped with rolling bearings and greases according to EN 12080 and EN 12081. It is not within the scope of EN 12082 2 to define the validation procedure of box housings, sleeves or coves from a structural point of view. The relevance of these parts in the scope of this document is limited to the interaction with the axle box rolling bearing with respect to the required service.

Keel: en
Alusdokumendid: prEN 12082-2
Asendab dokumenti: EVS-EN 12082:2017+A1:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 50155:2024

Railway applications - Rolling stock - Electronic equipment

This document is applicable to all electronic equipment for control, regulation, protection, diagnostic, energy supply, etc. installed on rail vehicles. For the purpose of this document, electronic equipment is defined as equipment composed of electronic components (e.g. resistors, capacitors, transistors, diodes, integrated circuits, hybrids, application specific integrated circuits, wound components and relays), and recognized associated components (e.g. connectors, mechanical parts). These components are mainly mounted on printed circuit boards. Sensors (e.g. current, voltage, speed) and semiconductor drive units for power electronic devices are covered by this document. Complete semiconductor drive units and power converters are covered by EN 61287-1. This document covers the requirements for operating conditions, design, documentation, testing and integration of electronic equipment, as well as hardware and software requirements considered necessary for compliant and reliable equipment. Specific requirements related to practices necessary to ensure defined safety integrity level or functional safety are not covered by this document. Nevertheless, this document is applicable to the hardware of all rolling stock electronic equipment or systems performing safety-related functions. The software development requirements for on-board railway equipment are specified by EN 50716.

Keel: en
Alusdokumendid: prEN 50155:2024
Asendab dokumenti: EVS-EN 50155:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3155-015

Aerospace series - Electrical contacts used in elements of connection - Part 015: Contacts, electrical, female, type A, crimp, class S - Product standard

This document specifies the required characteristics, tests and tooling applicable to female electrical contacts 015, type A, crimp, class S, used in elements of connection specified in EN 3155-002. It is used together with EN 3155-001. The associated male contacts are specified in EN 3155-014.

Keel: en
Alusdokumendid: prEN 3155-015
Asendab dokumenti: EVS-EN 3155-015:2019

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 3278

Aerospace series - Sleeves, tubular, protruding head, in corrosion resisting steel, passivated (0,25 mm wall thickness)

This document specifies the characteristics and technical requirements for protruding head tubular sleeves, in corrosion resisting steel, which can be plain or provided with a series of annular grooves. Passivated sleeves are for use in aerospace assemblies whose maximum operating temperature does not exceed 650 °C. It is important that the operating temperatures for aluminium pigmented sleeves do not exceed 230 °C.

Keel: en
Alusdokumendid: prEN 3278
Asendab dokumenti: EVS-EN 3278:2019

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 4162

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

This document specifies the characteristics of bolts, 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa /235 °C .

Keel: en
Alusdokumendid: prEN 4162
Asendab dokumenti: EVS-EN 4162:2016
Asendab dokumenti: EVS-EN 4162:2016/AC:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 4165-018

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 018: Protective cover for 1, 2 and 4 module receptacles series 2 and 3 - Product standard

This document specifies the protective cover for all receptacles series 2 and series 3 used in the family of rectangular electrical connectors. The receptacle connectors corresponding to those protective covers are specified in EN 4165 004, EN 4165 011 and EN 4165 025.

Keel: en

Alusdokumendid: prEN 4165-018
Asendab dokumenti: EVS-EN 4165-018:2015

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 4265

Aerospace series - Bearing spherical plain, metal to metal in corrosion resisting steel - Wide series - Dimensions and loads - Inch series

This document specifies the characteristics of spherical plain bearings, metal to metal, in corrosion resisting steel, passivated, wide series, inch series for aerospace applications. They are intended for use in fixed or moving parts of the aircraft structure and their control mechanisms. They are used in the temperature range −54 °C to 150 °C. As they are lubricated by means of the following greases: Code A: Grease as per MIL-PRF-23827C, operating temperature range −73 °C to 121 °C. Code B: Grease as per MIL-PRF-81322G, operating temperature range −54 °C to 177 °C. The range of application for bearings lubricated with grease per code A is limited to 121 °C. In both cases it is important to provide the spherical surface of the outer or inner ring with a dry-film lubricant as per MIL-PRF-46010G or equivalent (anti-seizing protection). The slide hole treatment either at the outer ring or inner ring.

Keel: en
Alusdokumendid: prEN 4265
Asendab dokumenti: EVS-EN 4265:2013

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 4266

Aerospace series - Bearing spherical plain, metal to metal, in corrosion resisting steel, cadmium plated - Wide series - Dimensions and loads - Inch series

This document specifies the characteristics of spherical plain bearings, metal to metal, in corrosion resisting steel, cadmium plated and chromated, wide series, inch series for aerospace applications. They are intended for use in fixed or moving parts of the aircraft structure and their control mechanisms. They are used in the temperature range − 54 °C to 150 °C. As they are lubricated by means of the following greases: - Code A: Grease as per MIL-PRF-23827C, operating temperature range − 73 °C to 121 °C; - Code B: Grease as per MIL-PRF-81322G, operating temperature range − 54 °C to 177 °C. The range of application for bearings lubricated with grease per code A is limited to 121 °C. In both cases it is important to provide the spherical surface of the outer or inner ring with a dry-film lubricant as per MIL-PRF-46010G or equivalent (anti-seizing protection). The slide hole treatment either at the outer ring or inner ring.

Keel: en
Alusdokumendid: prEN 4266
Asendab dokumenti: EVS-EN 4266:2013

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 9242

Aerospace series - Programme management - Guide for establishing and implementing a development plan

The purpose of this document is to: - remind the end-purpose of the development phase (see Clause 5); - precise the content and outcomes of a development plan (see Clause 6). This document is a supporting document that supplements RG.Aero 000 41 regarding the specific aspects to be taken into account in the development plan. The iteratively realized development plan is consistent with the documents identified in 6.2.2. This document applies to each level of the product breakdown structure. In particular, it takes account of the customer/supplier relationships.

Keel: en
Alusdokumendid: prEN 9242

Arvamusküsitluse lõppkuupäev: 14.11.2024

53 TÕSTE- JA TEISALDUS-SEADMED

prEN ISO 19014-3

Earth-moving machinery - Functional safety - Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system (ISO/DIS 19014-3:2024)

This document specifies the minimum requirements for environmental testing of electronic and electrical components identified as safety-related parts of the control system (SRP/CS) used on earth-moving machinery (EMM) as defined in ISO 6165 and their attachments.

Keel: en
Alusdokumendid: ISO/DIS 19014-3; prEN ISO 19014-3
Asendab dokumenti: EVS-EN ISO 19014-3:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN 17131-1

Textiles and textile products - Determination of certain residual solvents - Part 1: Determination of aprotic solvents, method using gas chromatography

This document specifies a method using gas chromatography with mass selective detector (GC-MS) for detection and quantification of extractable N,N-dimethylformamide (DMF), N,N-dimethylacetamide (DMAC), N-methyl-2-pyrrolidone (NMP) and N-ethyl-2-pyrrolidone (NEP) in filaments and coatings of textile products.

Keel: en
Alusdokumendid: prEN 17131-1
Asendab dokumenti: EVS-EN 17131:2019

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 105-X11

Textiles - Tests for colour fastness - Part X11: Colour fastness to hot pressing (ISO/DIS 105-X11:2024)

Tests are given for hot pressing when the textile is dry, when it is wet, and when it is damp. The end-use of the textile usually determines which test should be made. A dry specimen (dry pressing) or a dry specimen covered with a wet cotton adjacent fabric (damp pressing) or a wet specimen covered with a wet cotton adjacent fabric (wet pressing) are pressed with a heating device at a specified temperature and pressure for a specified time.

Keel: en
Alusdokumendid: ISO/DIS 105-X11; prEN ISO 105-X11
Asendab dokumenti: EVS-EN ISO 105-X11:2000

Arvamusküsitluse lõppkuupäev: 14.11.2024

67 TOIDUAINETE TEHNOLOOGIA

prEN ISO 18363-2

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 2: Method using slow alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO/FDIS 18363-2:2024)

This document specifies a procedure for the parallel determination of glycidol together with 2-MCPD and 3-MCPD present in bound or free form in oils and fats. The method is based on alkaline-catalysed ester cleavage, transformation of the released glycidol into monobromopropanediol (MBPD) and derivatisation of the derived free diols (MCPD and MBPD) with phenylboronic acid (PBA). Though free MCPD and glycidol are supposed to be present in fats and oils in low to negligible quantities only, in the event that free analytes are present, they would contribute proportionately to the results. The results always being the sum of the free and the bound form of a single analyte. This method is applicable to solid and liquid fats and oils. This document can also apply to animal fats and used frying oils and fats, but a validation study is undertaken before the analysis of these matrices. Milk and milk products (or fat coming from milk and milk products) are excluded from the scope of this document.

Keel: en
Alusdokumendid: ISO/FDIS 18363-2; prEN ISO 18363-2
Asendab dokumenti: EVS-EN ISO 18363-2:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN ISO 3961

Animal and vegetable fats and oils - Determination of iodine value (ISO/FDIS 3961:2024)

This document specifies a reference method for the determination of the iodine value (commonly known in the industry as IV) of animal and vegetable fats and oils, hereinafter referred to as fats. Annex B describes a method for the calculation of the IV from fatty acid compositional data. This method is not applicable to fish oils. Furthermore, cold-pressed, crude and unrefined vegetable oils as well as (partially) hydrogenated oils can give different results by the two methods. The calculated IV is affected by impurities and thermal degradation products. NOTE The method in Annex B is based upon the AOCS Official method Cd 1c-85[10].

Keel: en
Alusdokumendid: ISO/FDIS 3961; prEN ISO 3961
Asendab dokumenti: EVS-EN ISO 3961:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

71 KEEMILINE TEHNOLOOGIA

prEN IEC 61010-2-020:2024

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges

This clause of Part 1 is applicable except as follows: 1.1 Scope 1.1.1 Equipment included in scope Replacement: This part of IEC 61010 is applicable to electrically powered LABORATORY CENTRIFUGES. It is possible that all or part of the equipment falls

within the scope of one or more other Part 2 standards of IEC 61010 as well as within the scope of this standard. In that case, the requirements of those other Part 2 standards will also apply. 1.1.2 Equipment excluded from scope Addition: Add the following new item: aa) IEC 60034 (Rotating electrical machinery). 1.2 Object 1.2.1 Aspects included in scope Addition: Add the following new items: aa) contact with moving parts (see 7.3); bb) LABORATORY CENTRIFUGE movement during any DISRUPTION (see 7.4.101); cc) high energy chemical reaction after ROTOR DISRUPTION (see 7.7.2.2 l)); dd) ineffectiveness of BIOSEALS (see 13.101).

Keel: en
Alusdokumendid: 66/820/CDV; prEN IEC 61010-2-020:2024
Asendab dokumenti: EVS-EN 61010-2-020:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 12081
Railway applications - Axleboxes - Lubricating greases

This European Standard specifies the quality requirements of greases intended for the lubrication of axlebox rolling bearings according to prEN 12080, required for reliable operation of trains on European networks. It covers the approval procedure for a not yet approved grease, the management of modification for an approved grease and the method of quality batch control of the grease. The grease requirements are given for two speed classes.

Keel: en
Alusdokumendid: prEN 12081
Asendab dokumenti: EVS-EN 12081:2017

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 1776
Gas infrastructure - Gas measuring systems - Functional requirements

This document specifies functional requirements for the design, construction, testing, commissioning/decommissioning, operation, maintenance and where appropriate calibration, together with suitable documented provisions for all new gas measuring systems and any major changes of existing systems. This document also specifies accuracy classes of measuring systems and thresholds applicable to these classes. Demonstration of compliance is achieved through the selection, installation and operation of appropriate measurement instruments, together with suitable documented provisions for calculations. Examples of demonstration of compliance are provided for each accuracy class; however, they are not prescriptive solutions. This document is applicable for gases of the 2nd gas family as classified in EN 437 and for hydrogen and its blends with gases of the 2nd gas family. This document can also be used as a guideline for 1st and 3rd family gases as classified in EN 437; however additional considerations should be taken with regard to the different constituents and physical characteristics of the gas family. This document is not applicable for: - raw or sour gases. - gas measurement in CNG and hydrogen fuelling stations. This document gives guidelines when installing and operating gas meters with additional functionalities (smart meters). Unless otherwise specified all pressures used in this document are gauge pressures. For associated pressure regulating systems the requirements of EN 12186 and/or EN 12279 apply. For requirements on design, housing, lay-out, materials for components, construction, ventilation, venting and overall safety of gas measuring systems within the scope of this document, EN 15001, EN 12186, EN 12279 and/or EN 1775 apply additionally, where relevant. This document specifies common basic principles for gas infrastructure. Users of this European Standard should be aware that more detailed national standards and/or codes of practice can exist in the CEN member countries. This European Standard is intended to be applied in association with these national standards and/or codes of practice setting out the above mentioned basic principles. In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this European Standard, national legislation/regulation takes precedence as illustrated in CEN/TR 13737 parts 1 and 2. CEN/TR 13737 (all parts) gives: clarification of all legislation/regulations applicable in a member state; if appropriate, more restrictive national requirements; a national contact point for the latest information.

Keel: en
Alusdokumendid: prEN 1776
Asendab dokumenti: EVS-EN 1776:2015

Arvamusküsitluse lõppkuupäev: 14.11.2024

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

prEN 19100-1
Eurocode 10 - Design of glass structures - Part 1: General rules

1.1 Scope of prEN 19100-1 (1) This document gives basic design rules for glass structures, assemblies and components. This document is concerned with the requirements for resistance, serviceability, fracture characteristics and glass component failure consequences in relation to human safety, robustness and redundancy of glass structures. (2) This document covers the basis of design, structural design, materials, durability, and construction rules. 1.2 Assumptions (1) The assumptions given in EN 1990 apply. (2) This document is intended to be used in conjunction with EN 1990, EN 1991 (all parts), the parts of EN 1992 to EN 1999 where glass structures or glass components are referred to within those documents and EN 12488.

Keel: en
Alusdokumendid: prEN 19100-1
Asendab dokumenti: CEN/TS 19100-1:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 19100-2
Eurocode 10 - Design of glass structures - Part 2: Out-of-plane loaded glass components

1.1 Scope of prEN 19100-2 (1) prEN 19100-2 gives basic structural design rules for glass components and assemblies primarily subjected to out-of-plane loading. NOTE Out-of-plane loads are loads acting normal to (e. g. wind) or having a component (e. g. dead load, snow) acting normal to the glass plane. 1.2 Assumptions (1) The assumptions given in EN 1990 apply.

Keel: en
Alusdokumendid: prEN 19100-2
Asendab dokumenti: CEN/TS 19100-2:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 19100-3
Eurocode 10 - Design of glass structures - Part 3: In-plane loaded glass components

1.1 Scope of prEN 19100 3 (1) This document gives design rules for glass components and assemblies primarily subjected to in-plane loading. It also covers effects of loads acting both in-plane and parallel to the plane produced by the neutral axes of the component, including construction rules for joints connecting in-plane loaded glass components. 1.2 Assumptions (1) The assumptions of EN 1990, prEN 19100-1 and prEN 19100-2 apply. (2) This document is intended to be used in conjunction with, EN 1990, EN 1991 (all parts), EN 1993-1-1, EN 1995 1 1, EN 1998 (all parts), EN 1999 1 1, prEN 19100-1, prEN 19100-2 and EN 12488.

Keel: en
Alusdokumendid: prEN 19100-3
Asendab dokumenti: CEN/TS 19100-3:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 527-2
Plastics - Determination of tensile properties - Part 2: Test conditions for moulding and extrusion plastics (ISO/DIS 527-2:2024)

ISO 527-2:2012 specifies the test conditions for determining the tensile properties of moulding and extrusion plastics, based upon the general principles given in ISO 527-1.

Keel: en
Alusdokumendid: ISO/DIS 527-2; prEN ISO 527-2
Asendab dokumenti: EVS-EN ISO 527-2:2012

Arvamusküsitluse lõppkuupäev: 14.11.2024

91 EHITUSMATERJALID JA EHITUS

prEN 17192
Ventilation for buildings - Ductwork - Non-metallic ductwork - Requirements and test methods

This document defines the test methods and performance characteristics for rigid or semi-rigid non-metallic ductwork which are used for ventilation and air conditioning of buildings. This document does not include flexible ducts such as those made of textiles, non-metallic spiral ductwork or others, which are handled in EN 13180 or ductwork made from insulation duct board, which is handled in EN 13403. Requirements for the air tightness of the ventilation system for non-residential buildings are given in EN 16798 3. For residential buildings, it is essential to apply national rules. This document specifies methods to test rigid or semi-rigid non-metallic ductwork under laboratory conditions. On-site tests are excluded. The test methods and performance characteristics are valid for ventilation ducts with circular, rectangular or other cross sections.

Keel: en
Alusdokumendid: prEN 17192
Asendab dokumenti: EVS-EN 17192:2018

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 19100-1
Eurocode 10 - Design of glass structures - Part 1: General rules

1.1 Scope of prEN 19100-1 (1) This document gives basic design rules for glass structures, assemblies and components. This document is concerned with the requirements for resistance, serviceability, fracture characteristics and glass component failure consequences in relation to human safety, robustness and redundancy of glass structures. (2) This document covers the basis of design, structural design, materials, durability, and construction rules. 1.2 Assumptions (1) The assumptions given in EN 1990 apply. (2) This document is intended to be used in conjunction with EN 1990, EN 1991 (all parts), the parts of EN 1992 to EN 1999 where glass structures or glass components are referred to within those documents and EN 12488.

Keel: en
Alusdokumendid: prEN 19100-1
Asendab dokumenti: CEN/TS 19100-1:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 19100-2

Eurocode 10 - Design of glass structures - Part 2: Out-of-plane loaded glass components

1.1 Scope of prEN 19100-2 (1) prEN 19100-2 gives basic structural design rules for glass components and assemblies primarily subjected to out-of-plane loading. NOTE Out-of-plane loads are loads acting normal to (e. g. wind) or having a component (e. g. dead load, snow) acting normal to the glass plane. 1.2 Assumptions (1) The assumptions given in EN 1990 apply.

Keel: en
Alusdokumendid: prEN 19100-2
Asendab dokumenti: CEN/TS 19100-2:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN 19100-3

Eurocode 10 - Design of glass structures - Part 3: In-plane loaded glass components

1.1 Scope of prEN 19100 3 (1) This document gives design rules for glass components and assemblies primarily subjected to in-plane loading. It also covers effects of loads acting both in-plane and parallel to the plane produced by the neutral axes of the component, including construction rules for joints connecting in-plane loaded glass components. 1.2 Assumptions (1) The assumptions of EN 1990, prEN 19100-1 and prEN 19100-2 apply. (2) This document is intended to be used in conjunction with, EN 1990, EN 1991 (all parts), EN 1993-1-1, EN 1995 1 1, EN 1998 (all parts), EN 1999 1 1, prEN 19100-1, prEN 19100-2 and EN 12488.

Keel: en
Alusdokumendid: prEN 19100-3
Asendab dokumenti: CEN/TS 19100-3:2021

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 63494-1:2024

Lighting systems - Electro-mechanical interfaces - Part 1: Safety

This document specifies the safety requirements for electro-mechanical interfaces connecting lighting system devices to luminaires. These interfaces are used to mechanically connect, electrically power, and enable communication of lighting system devices on luminaires . Electro-mechanical interfaces up to and including 1 000 V AC or 1 500 V DC are included. The document specifies safety related mechanical, electrical, ambient conditions, and construction requirements for the interface components including protective covers. Specific requirements for the devices that can utilize the interface such as sensors, communication modules, cameras, etc. are out of scope for this document. The document does not specify the following aspects: • The lighting technology • The illumination performance • Data communication • Functional safety • The performance and interchangeability of devices on the interface • Electromagnetic compatibility (EMC) The document does not specify safety for the following: • Product safety covered in existing standards (e.g. control gear, light sources, luminaires, electrical connectors, PoE, USB) • Device safety aspects for devices using the electro-mechanical interface • Couplers for mains input power to the luminaire. The purpose of IEC 63494-1 is to provide a set of requirements and tests which are considered generally applicable to electro-mechanical interfaces. Detailed requirements for particular electro-mechanical interfaces are specified in the IEC 63494-2 series. NOTE: If the electro-mechanical interface is not standardized in the IEC 63494-2 series then interchangeability aspects are not covered. NOTE: Although manual operation is anticipated at this time, future use of insertion and removal tools can be utilized and covered by this safety standard.

Keel: en
Alusdokumendid: 34/1206/CDV; prEN IEC 63494-1:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

prEN IEC 63494-2-1:2024

Lighting systems - Electro-mechanical interfaces - Part 2-1: Four-pin elv twist-lock interface type zb18

This document of the IEC 63494-2 series specifies the interchangeability requirements of an electro-mechanical interface with four-pin ELV twist-lock interface – type ZB18 for use in lighting systems. This twist-lock interface has four electrical contacts that are suitable for ELV voltages. Two connections are intended for supply power and two are intended for digital communication. The document specifies interchangeability related requirements for mechanical, electrical, ambient conditions, positional orientation, communication protocol and pin assignments for the interface. Specific requirements for the devices that can utilize the interface such as sensors, communication modules, cameras, etc. are out of scope for this document. The document does not specify the following aspects: • The lighting technology • The illumination performance • Electromagnetic compatibility (EMC)

Keel: en
Alusdokumendid: 34/1207/CDV; prEN IEC 63494-2-1:2024

Arvamusküsitluse lõppkuupäev: 14.11.2024

93 RAJATISED

prEN 18124

Road marking materials - Temporary road markings

This document specifies white, yellow and orange road markings, removable or non-removable, under the form of road marking assemblies or preformed road markings, to be used for temporary road markings in circulation areas. Other road marking products

and colours intended for temporary road markings are not covered in this document. This document also gives specifications for the evaluation of conformity of temporary road markings in circulation areas including type testing and factory production control.

Keel: en
Alusdokumendid: prEN 18124

Arvamusküsitluse lõppkuupäev: 14.11.2024

97 OLME. MEELELAHUTUS. SPORT

prEN IEC 60730-2-7:2024

Automatic electrical controls - Part 2-7: Particular requirements for timers and time switches

This clause of Part 1 is replaced by the following: 1 Scope This document applies to timer and time switches • for use in, on, or in association with equipment for household appliance and similar use; NOTE 1 Throughout this document, the word "equipment" means "appliance and equipment" and „controls“ means „timer or time switches “.. NOTE 2 Throughout this document, the word “timers” means timers and time switches, unless the type is specifically mentioned. • for building automation within the scope of ISO 16484 series and IEC 63044 series (HBES/BACS); • for equipment that is used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications; • that are smart enabled controls; • that are AC or DC powered controls with a rated voltage not exceeding 690 V AC or 600 V DC; • utilized as part of a control system or controls which are mechanically integral with multifunctional controls having non-electrical outputs; • as well as manual controls when such are electrically and/or mechanically integral with automatic controls. NOTE 3 Requirements for manually actuated mechanical switches not forming part of an automatic control are contained in IEC 61058-1-1.

Keel: en
Alusdokumendid: 72/1452/CDV; prEN IEC 60730-2-7:2024
Asendab dokumenti: EVS-EN IEC 60730-2-7:2020

Arvamusküsitluse lõppkuupäev: 14.11.2024

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 15085-2:2020+A1:2023

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 2: Nõuded keevitustootjatele

See dokument määratleb keevitatud komponentide klassifikatsioonitasemed, tavaliselt teostatavad tegevuse liigid ja nõuetele vastavuse tõendamiseks täidetavad nõuded.

Keel: et
Alusdokumendid: EN 15085-2:2020+A1:2023

Kommenteerimise lõppkuupäev: 15.10.2024

EVS-EN 17635:2022

Klaas ehitusmaterjalina. Purunemisomadused - nõuded ja hindamismeetodid.

See dokument annab katsemeetodid ehitistes ja ehitustöödel kasutatavate eri tüüpi monoliitsete lehtklaaside purunemisomaduste hindamiseks, mille puhul on kindlaksmääratud tingimustes katsetamisel nõutav spetsiifiline killustumismuster. MÄRKUS Termiliselt töödeldud monoliitne klaas on toode, mille puhul eksisteerib selline nõue.

Keel: et
Alusdokumendid: EN 17635:2022

Kommenteerimise lõppkuupäev: 15.10.2024

EVS-EN ISO 898-3:2018+A1:2021

Süsinikterasest ja legeeritud terasest valmistatud kinnitite mehaanilised omadused. Osa 3: Spetsifitseeritud omadusklassidega tasapinnalised seibid (ISO 898-3:2018 + ISO 898-3:2018/Muudatus 1:2020)

See dokument määrab kindlaks tasapinnaliste seibide mehaanilised ja füüsikalised omadused, mis on ette nähtud kasutamiseks poltliidetes koos kindlaksmääratud omadusklassidega poltide, kruvide, tikkpoltide ja mutritega, mis on vastavuses standarditega ISO 898-1 ja ISO 898-2. MÄRKUS 1 Seda tüüpi seibe saab kasutada ka koos teiste kinnitusdetailidega, näiteks kruvidega, mis moodustavad oma vastaskeerme. Selle dokumendi nõuetele vastavaid seibe hinnatakse ümbritseva õhu temperatuurivahemikus 10 °C kuni 35 °C. Need ei pruugi kõrgetel ja/või madalatel temperatuuridel säilitada määratud mehaanilisi ja füüsikalisi omadusi. MÄRKUS 2 Selle dokumendi nõuetele vastavaid seibe kasutatakse rakendustes, mis jäävad temperatuurivahemikku –50 °C kuni +150 °C. Sobivate valikute tegemiseks või kriitiliste rakenduste puhul soovitatakse kasutajatel konsulteerida kogenud kinnitusdetailide eksperdiga temperatuuride osas, mis jäävad sellest vahemikust väljapoole ja kuni maksimumtemperatuurini +300 °C. See dokument kehtib järgmiste süsinikterasest või legeeritud terasest valmistatud tasapinnaliste kinnitatud ja mittekinnitatud seibide puhul paksusega 0,2 mm kuni 12 mm: — tasapinnalised seibid (rihvelduste, ribide või faasidega või ilma); — ruudukujulised seibid; — ruudukujulise auguga seibid; — kujuga plaadid. See ei spetsifitseeri nõudeid alljärgnevatele omadustele: — korrosioonikindlus; — keevitatavus.

Keel: et
Alusdokumendid: ISO 898-3:2018; EN ISO 898-3:2018; ISO 898-3:2018/Amd 1:2020; EN ISO 898-3:2018/A1:2021

Kommenteerimise lõppkuupäev: 15.10.2024

prEN 12594

Bituumen ja bituumensideained. Katseproovide ettevalmistamine

See dokument määratleb meetodid bituumenitest ja bituumensideainetest katseproovide ettevalmistamiseks nende omaduste katsetamise eesmärgil. HOIATUS — selle dokumendi rakendusala võib hõlmata ohtlikke materjale, toiminguid ja seadmeid. Selle dokumendi eesmärk ei ole käsitleda kõiki selle dokumendi rakendamisega seotud ohutusprobleeme. Selle dokumendi kasutaja vastutab nõuetekohaste ohutus- ja tervishoiumeetmete rakendamise ning regulatiivpiirangute kasutamiseelse määratlemise eest juba enne dokumendi kasutamist.

Keel: et
Alusdokumendid: prEN 12594

Kommenteerimise lõppkuupäev: 15.10.2024

prEN 12597

Bituumen ja bituumensideained. Terminoloogia

Selle dokumendi eesmärk on kirjeldada bituumenite ja bituumensideainete terminoloogiat, mistõttu see dokument koosneb ainult terminitest ja määratlustest.

Keel: et
Alusdokumendid: prEN 12597

Kommenteerimise lõppkuupäev: 15.10.2024

prEVS-EN 12063

Geotehniliste eritööde tegemine. Sulundseinad, kombi-sulundseinad, suure jäikusega seinad

See dokument määrab kindlaks nõuded, soovitused ja teabe püsivate või ajutiste sulundseinte, kombi-sulundseinte, suure jäikusega konstruktsioonide rajamiseks ning seadmete ja materjalide käsitlemiseks. See dokument ei esita nõudeid ega soovitusi spetsiifiliste konstruktsiooniosade, nagu pinnaseankrute, puurvaiade ja mikrovaiade paigaldamise kohta, mida käsitletakse muudes dokumentides. See dokument kehtib terasest sulundseinte, kombi-sulundseinte, suure jäikusega seinte, sünteetiliste sulundseinte (komposiit), monteeritavast betoonist sulundseinte ja puidust sulundseinte kohta. Kombi-sulundseinte ja suure jäikusega seinte toruvaiad võivad olla täidetud betooniga. See dokument ei hõlma komposiitstruktuure, nagu berliini-tüüpi sulundseinad ja sulundseinad kombineerituna torkreetbetooniga.

Keel: et
Alusdokumendid: EN 12063:2024

Kommenteerimise lõppkuupäev: 15.10.2024

prEVS-ISO/IEC 33001

Infotehnoloogia. Protsesside hindamine. Mõisted ja terminoloogia

See standard on protsessihindamise kesksete terminite hoiukoht. Ta esitab üldteabe mõistete kohta, mida vajatakse protsesside hindamisel, protsessi kvaliteedikarakteristikute saavutatuse hindamisel ning protsessihindamise tulemuste rakendamiseks protsessihalduse sooritamisel. Standard juhatab sisse protsesside hindamist käsitleva standardisarja ISO/IEC 330xx; ta kirjeldab sarja osade vahelisi seoseid ning esitab juhised standardite valimiseks ja kasutamiseks. Ta selgitab standardisarja dokumentides sisalduvaid nõudeid, samuti nõuete kohaldatavust hindamiste sooritamisel. Standardi lugejatel tuleks tutvuda standardisarja struktuuri ja terminoloogiaga ning seejärel tugineda kavandatud hindamise kontekstis ta asjakohastele elementidele. MÄRKUS: See dokument käsitleb standardisarja ISO/IEC 330xx standardites ISO/IEC 33001 kuni ISO/IEC 33019 kasutatud terminitele, samuti sarja muudes dokumentides kasutatud võtmetermineid. Standardivahemiku ISO/IEC 33020 kuni ISO/IEC 33099 dokumentide eriomased terminid on määratletud neis dokumentides endis.

Keel: et
Alusdokumendid: ISO/IEC 33001:2015

Kommenteerimise lõppkuupäev: 15.10.2024

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

Algupärase Eesti standardi ülevaatus toimub üldjuhul iga viie aasta järel ning selle eesmärk on kontrollida standardi tehnilist taset, vastavust aja nõuetele, vastavust kehtivatele õigusaktidele, kooskõla rahvusvaheliste või Euroopa standarditega jne.

Ülevaatuse tulemusena jäetakse standard kehtima, algatatakse standardi muudatuse või uustöötluse koostamine, tühistatakse standard või asendatakse see ülevõetava Euroopa või rahvusvahelise standardiga.

ÜLEVAATUSKÜSITLUS

EVS 900:2009

Koristusvaldkonna sõnavara
Vocabulary of Cleaning Sector

Standard määratleb professionaalses koristusvaldkonnas kasutatavad terminid ja nende tähendused.

Ülevaatusküsitluse lõppkuupäev: 15.10.2024

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN 50522:2022/A1:2024

Earthing of power installations exceeding 1 kV a.c.

Eeldatav avaldamise aeg Eesti standardina 12.2024

EN 50172:2024

Emergency escape lighting systems

Eeldatav avaldamise aeg Eesti standardina 11.2024

EN ISO/IEC 27005:2024

Information security, cybersecurity and privacy protection - Guidance on managing information security risks (ISO/IEC 27005:2022)

Eeldatav avaldamise aeg Eesti standardina 12.2024

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 1253-1:2015

Kanalisatsiooni veeneelud hoonetes. Osa 1: Põrandatrapid vesiluku kõrgusega vähemalt 50 mm
Gullies for buildings - Part 1: Trapped floor gullies with a depth water seal of at least 50 mm

See Euroopa standard klassifitseerib hoonetes kasutamiseks mõeldud põrandatrapid; annab juhised paigalduskohtadele ning täpsustab ehitus-, projekteerimis-, toimimis- ja märgistusnõuded tehases valmistatud toodetele (olenemata materjalist), mis on mõeldud kasutamiseks äravoolusüsteemides, mis nõuavad haisulukku, mille vesiluku sügavus on vähemalt 50 mm (edaspidi „põrandatrapid“). Kuigi selliseid põrandatrappe kasutatakse tavaliselt olmereovee juhtimiseks, võivad need juhtida ka muud reovett (näiteks tööstuslikku reovett) tingimusel, et ei kahjustata komponente või puudub tervisekahjustuse oht. See Euroopa standard ei kehti: — äravoolukanalitele, nagu määratletud standardis EN 1433; — rest- ja hoolduskaevude päistele, nagu määratletud standardis EN 124, — katuselehtritele ja vesilukuta põrandatrappidele, nagu määratletud standardis EN 1253-2.

EVS-EN 13116:2024

Rippfassaadid. Vastupanu tuulekoormusele. Toimivusnõuded
Curtain walling - Resistance to wind load - Performance requirements

See dokument määrab kindlaks tuulekoormuse all oleva rippfassaadi, nii selle fikseeritud kui ka avatavate osade konstruktsioonilised toimivusnõuded, staatilise üle- ja alarõhu korral.z See dokument kehtib kõikide standardis EN 13830 määratletud rippfassaadide toodete kohta. MÄRKUS Paljude erinevate paigalduskõrguste ja mõõtmete varieeruvuse tõttu, mida rippfassaadi paigaldised võimaldavad, ei ole otstarbekas klassifitseerida suurt valikut rippfassaadisüsteeme, lähtudes nii konstruktsiooni kui ka otstarbe seisukohast.

EVS-EN 14662-1:2023

Välisõhu kvaliteet. Standardmeetod benseeni kontsentratsiooni mõõtmiseks. Osa 1: Pumpamisega proovivõtt, termiline desorptsioon ja gaaskromatograafia
Ambient air quality - Standard method for measurement of benzene concentrations - Part 1: Pumped sampling followed by thermal desorption and gas chromatography

See standardi EN 14662 osa sisaldab üldisi suuniseid benseeniproovide kogumiseks õhust ja analüüsiks pumpamisega proovivõtu, termodesorptsiooni ja gaasikromatograafia teel. See standard on kooskõlas Euroopa Liidus välisõhu benseenisisalduse määramiseks valitud standardmeetodi [1] üldmetoodikaga mõõtetulemuste võrreldavuse osas aastase alusperioodiga piirväärtusel. See dokument kehtib benseeni mõõtmisel kontsentratsioonivahemikus, mis on ligikaudu 0,5 µg/m3 kuni 50 µg/m3. Õhuproove kogutakse tavaliselt mõnest tunnist kuni 7 päevani. Kasutatava vahemiku ülemise piiri määrab sorbendi sorptsioonivõime ja gaasikromatograafilise kolonni ja detektori lineaarne dünaamiline vahemik või kasutatava analüüsiseadme proovijaotusvõime. Kasutatava vahemiku alumise piiri määrab detektori müratase ning sorbendi benseenisisaldus ja häired. Häired jäävad grafitiseeritud süsinikupõhiste sorbentide puhul üldjuhul alla ng, kuid osades sorbentides on täheldatud kõrgemaid aromaatsete süsivesinike tasemeid nagu näiteks poorsete polümeeride puhul. Avastamispiir on ligikaudu 1/10 kontsentratsioonivahemiku alumisest piirist. Selles dokumendis antakse üldised juhised benseenist proovide võtmiseks, kasutades kas ühte proovivõtuseadet, mida muudetakse käsitsi pärast iga kokkupuuteperioodi, või järjestikust proovivõtuseadet, mis on võimeline säilitama ja paljastama mitut proovi ilma kasutaja sekkumiseta. Analüüsimeetodeid on erinevaid, kuid B lisas on kirjeldatud sobivat lähenemisviisi proovide ja tühiproovide analüüsimiseks ning benseenisisalduse arvutamiseks. MÄRKUS Selles dokumendis kirjeldatud meetodit võib kasutada muude ühendite määramiseks peale benseeni dokumenteeritud valideerimiskatsete tingimustes.

EVS-EN 15026:2023

Hoone elementide ja piirdetarindite soojus- ja niiskustehniline toimivus. Niiskuslevi hindamine numbrilise modelleerimisega
Hygrothermal performance of building components and building elements - Assessment of moisture transfer by numerical simulation

See dokument määrab kindlaks mudeli komponendid, mida kasutatakse numbrilises hügrotermilises simulatsioonimudelis ehituskonstruktsioone läbiva mööduva soojus- ja niiskuslevi ülekande arvutamiseks. See dokument määrab kindlaks meetodi, mida kasutatakse numbrilise soojus- ja niiskustehnilise simulatsioonimudeli valideerimiseks, mis nõuab vastavust selle dokumendiga.

EVS-EN IEC 60079-17:2024

Plahvatusohtlikud keskkonnad. Osa 17: Elektripaigaldiste kontroll ja korrashoid
Explosive atmospheres - Part 17: Electrical installations inspection and maintenance (IEC 60079-17:2023)

Standardisarja IEC 60079 see osa kehtib elektripaigaldiste kasutajatele ja ning hõlmab ainult neid mõjureid, mis on otseselt seotud spetsiaalselt ohtlikusse piirkonda kavandatud elektripaigaldiste, kus ohu põhjustab plahvatusohtlik keskkond, kontrollimise ja korrashoiuga. See ei sisalda: • elektripaigaldiste muid põhilisi paigaldus- ja kontrollinõudeid; • elektriseadmete vastavuse

tõendamist; • ruumide kaitset või ventilatsiooni; • gaasituvastussüsteeme; • plahvatuse eest kaitstud seadmete remonti ega taastamist (vt IEC 60079-19). Kuigi see dokument ei hõlma selliste ohutusseadmete kontrollimist, mida kasutatakse näiteks ventileeritavates ruumides (vt IEC 60079-13), sisaldab see kontrolli- ja korrashoiunõudeid üksikutele seadmetele, mis on selliste süsteemide osaks, näiteks mootorid või andurid. See dokument täiendab standardi IEC 60364-6 kohaseid mitteohtlike piirkondade elektripaigaldiste kontrollimise ja katsetamise nõudeid. See dokument on ette nähtud rakendamiseks seal, kus normaalsetes keskkonnaoludes võib tekkida ohuolukord plahvatusohtliku gaasi või tolmu segu või põleva tolmukihi potentsiaalse olemasolu tõttu. See ei kehti: • allmaakaevandusaladele, • lõhkeainete tolmu korral, • pürofoorsete ainete korral.

EVS-EN IEC 60228:2024

Kaablite ja isoleerjuhtmete voolujuhid
Conductors of insulated cables (IEC 60228:2023)

See dokument määratleb laias ulatuses elektrikaablite ja -juhtmete tüüpide voolujuhtide nimiristlõiked vahemikus 0,5 mm² kuni 3500 mm². Samuti on lisatud nõuded kiudude arvule ja suurusele ning aktiivtakistuse väärtustele. Need voolujuhid hõlmavad massiiv-, kiud- ja millikenjuhte ning vasest, alumiiniumist ja alumiiniumisulamitest voolujuhte kohtkindlaks paigaldamiseks ette nähtud kaablites ja isoleerjuhtmetes ning vasest paindjuhtides. Dokument ei kehti telekommunikatsiooni otstarbel kasutatavatele voolujuhtidele. Selle standardi rakendatavus teatud tüüpi kaablitele või isoleerjuhtmetele on määratletud vastavas kaabli või isoleerjuhtme tüübi standardis. Kui konkreetses jaotises ei ole märgitud vastupidist, käsitleb see dokument valmiskaablis või -isoleerjuhtmes olevaid voolujuhte ega käsitle voolujuhte, mis on valmistatud või tarnitud kaablisse või isoleerjuhtmesse lisamiseks. Selles dokumendis kirjeldatud voolujuhid on määratletud meetermõõdustikus. Teatmelisad annavad täiendavat teavet takistuse mõõtmise temperatuuri parandustegurite kohta (lisa B) ja juhiseid ümmarguste juhtmete mõõtmete piiride kohta (lisa C). EE MÄRKUS 1 Inglise ja prantsuse keeles tähendab termin „cable“ niihästi kaablit kui ka isoleerjuhet. Eesti, saksa ja vene keeles tehakse neil termineil vahet, nimetades kaabliks juhti, mille sisemus on hermeetiliselt kaitstud mantli ning otsatuste, jätku- ja harumuhvidega. EE MÄRKUS 2 Selles eestikeelses standardis mõistetakse voolujuhi (ingl conductor, pr âme, sks Leiter) all juhtme või kaabli soone voolujuhtivat metallosa.

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
EVS-EN 1253-1:2015	Gullies for buildings - Part 1: Trapped floor gullies with a depth water seal of at least 50 mm	Kanalisatsiooni veeneelud hoonetes. Osa 1: Põrandatrapid vesiluku kõrgusega vähemalt 50 mm
EVS-EN 13116:2024	Curtain walling - Resistance to wind load - Performance requirements	Rippfassaadid. Vastupanu tuulekoormusele. Toimivusnõuded
EVS-EN 14662-1:2023	Ambient air quality - Standard method for measurement of benzene concentrations - Part 1: Pumped sampling followed by thermal desorption and gas chromatography	Välisõhu kvaliteet. Standardmeetod benseeni kontsentratsiooni mõõtmiseks. Osa 1: Pumpamisega proovivõtt, termiline desorptsioon ja gaaskromatograafia
EVS-EN 15026:2023	Hygrothermal performance of building components and building elements - Assessment of moisture transfer by numerical simulation	Hoone elementide ja piirdetarindite soojus- ja niiskustehniline toimivus. Niiskuslevi hindamine numbrilise modelleerimisega

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.

Määrus 2019/1009 Väetisetooted
Komisjoni rakendusotsus 2024/2387
(EL Teataja 2024/L 10.09.2024)

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 Märkus 1
EVS-EN 17816:2023 Lubiained. Füüsikaliste ja keemiliste omaduste ning spetsiifiliste saasteainete määramine	10.09.2024		
EVS-EN 17817:2023 Väetised, lubiained ja inhibiitorid. Koguse määramine (mahu või kaalu alusel)	10.09.2024		

Määrus 2019/2024 Otsese müügifunktsiooniga jahutus-külmutusseadmete ökodisaini nõuded
Komisjoni rakendusotsus 2024/2397
(EL Teataja 2024/L 12.09.2024)

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 Märkus 1
EVS-EN ISO 23953-2:2023 Külmletid. Osa 2: Klassifikatsioon, nõuded ja katsetingimused	12.09.2024		

Määrus 2019/2018 Otsese müügifunktsiooniga jahutus-külmutusseadmete energiamärgistus
Komisjoni rakendusotsus 2024/2397
(EL Teataja 2024/L 12.09.2024)

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 Märkus 1
EVS-EN ISO 23953-2:2023 Külmletid. Osa 2: Klassifikatsioon, nõuded ja katsetingimused	12.09.2024		