EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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EVS TEATAJA

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 12519:2018

Aknad ja uksed. Terminoloogia
Windows and pedestrian doors - Terminology

See Euroopa standard esitab akende ja käiguuste üldise terminoloogia. Erinevaid termineid on illustreeritud joonistega. EE MÄRKUS Erinevates Euroopa riikides on pideva ja pikaajalise aknatööstuse arengu tulemusena sõltuvalt kasutatavast tehnoloogiast välja kujunenud oma aknaid käsitlev terminoloogia. Eestis on kasutatud erinevaid tehnoloogiaid ja seetõttu kasutatakse ka erinevat terminoloogiat. Selles standardis on toodud kaks paralleelset võimalust, nn saksa-süsteemi aknad ja taani-süsteemi aknad (päritolumaa järgi). Taani-süsteemi akende terminoloogia on esitatud rasvases kaldkirjas. Kui terminid ühtivad (võivad ühtida), on toodud ainult üks termin.

Keel: en
Alusdokumendid: EN 12519:2018
Asendab dokumenti: EVS-EN 12519:2006

EVS-EN IEC 60375:2018

Conventions concerning electric circuits

IEC 60375:2018 specifies the rules for signs and reference directions and reference polarities for electric currents and voltages in electric networks.

Keel: en
Alusdokumendid: IEC 60375:2018; EN IEC 60375:2018
Asendab dokumenti: EVS-EN 60375:2005

EVS-EN IEC 61987-92:2018

Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 92: Lists of properties (LOP) of measuring equipment for electronic data exchange - Aspect LOPs

IEC 61987-92:2018 provides the lists of properties (LOPs) describing aspects of equipment for industrial-process automation that is subject to IEC 61987 standard series. This standard series proposes a method for standardization which will help both suppliers and users of measuring equipment to optimize workflows both within their own companies and in their exchanges with other companies. IEC 61987-92 contains additional aspects that are common to all devices, for example, “Packaging and transportation”, “Calibration and test results” and “Device documents supplied”. The structures of the LOPs correspond to the general structures defined in IEC 61987-11 and agree with the fundamentals for the construction of LOPs defined in IEC 61987-10. Libraries of properties and of blocks used in the aspect LOPs are listed in Annex B and Annex C.

Keel: en
Alusdokumendid: IEC 61987-92:2018; EN IEC 61987-92:2018

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

CWA 17300:2018

City Resilience Development - Operational Guidance

This CEN Workshop Agreement (CWA) defines an operational framework for cities which will provide guidance on local resilience planning and support their efforts in building resilience. This document is intended to be used by policy and decision-makers at city level and councilors working on climate change adaptation and resilience in their city, as well as by any other city stakeholder working on resilience (for example, but not limited to: critical infrastructure managers, service providers, emergency services, the media, civil society associations, non-governmental organizations, academic and research institutions as well as consultancies).

Keel: en
Alusdokumendid: CWA 17300:2018

CWA 17301:2018

City Resilience Development - Maturity Model

This CEN Workshop Agreement provides a framework for describing the ideal path in the resilience-building process of a city. This framework is based on the maturity stages through which a city should proceed. This document is intended to be used by policy and decision-makers at city level and councilors working for resilience in their city, as well as by any other city stakeholders working on resilience (for example, but not limited to: critical infrastructure providers, service providers, emergency services, individuals, the media, non-governmental organizations, academic and research institutions as well as consultancies).

Keel: en
Alusdokumendid: CWA 17301:2018

CWA 17302:2018

City Resilience Development - Information Portal

This CWA provides a list of requirements for how municipalities can equip an information system that facilitates resilience building through collaboration, communication, and engagement. This marks the functional specification of a Resilience Information Portal. The portal is a platform for communication within a local government, between a local government and its overall stakeholders, and between a local government and citizens. Requirements aim towards a broad-purpose, easy-to-use platform that provides versatility and flexibility. This document is intended to be used by information technology professionals and information technology decision-makers. It provides them with support in planning municipal information technology as well as operative help for the development process. The functional specification does not impose any specific paradigms, technological frameworks or third-party programs. The specification takes into account existing information technology infrastructure and following the recommendations can complement it. The specification provides for significant freedom and room for customization. This facilitates a technological solution that aligns with political decisions, particularly deriving from a local government's information technology strategy.

Keel: en
Alusdokumendid: CWA 17302:2018

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 18593:2018

Toiduahela mikrobioloogia. Pinnaproovide võtmise horisontaalmeetodid
Microbiology of the food chain - Horizontal methods for surface sampling (ISO 18593:2018)

See dokument määratleb toiduahela keskkonna pindadelt proovivõtu tehnikate horisontaalmeetodid eesmärgiga avastada ja loetleda kultiveeritavaid mikroorganisme, nagu näiteks patogeenseid või mittepatogeenseid baktereid või pärm- ja hallitusseeni, kasutades selleks kontaktplaate, tampoone, käsnu ja lappe. MÄRKUS Termin „keskkond“ tähendab igat kokkupuutepunkti toiduga või esindab tõenäolise saastumise või korduva saastumise allikat; näiteks materjali, ruume või töötajaid. See dokument ei rakendu puhastus- ja desinfektsiooniprotseduuride valideerimisele. See dokument ei rakendu esmatootmise proovide proovivõtutehnikatele, mis on kaetud standardiga ISO 13307. Proovivõtutehnikaid rümpadelt hõlmab standard ISO 17604. Proovivõtutehnikaid noroviiruste ja A-hepatiit viiruste analüüsiks hõlmab standard ISO 15216-1. See dokument ei anna soovitusi proovivõtmise sageduse, proovivõtukohtade arvu või proovivõtukohtade vaheldumise vajaduse kohta, kuna need valitakse iga üksikjuhtumi puhul eraldi.

Keel: en, et
Alusdokumendid: ISO 18593:2018; EN ISO 18593:2018
Asendab dokumenti: EVS-ISO 18593:2010

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 16675:2018

Waste - Test methods for the determination of the monolithic status of waste to be landfilled

This Technical Specification provides methods, which can be used to assess the monolithic character of a stabilised/solidified waste, with respect to landfilling. Information on the monolithic character is required to enable the choice of appropriate leaching tests for determination of the release of different substances from stabilised/solidified waste under specified (landfilling) conditions. This document includes several physical and/or chemical test methods each addressing different aspects of monolithic character. The selection of methods required for an assessment of the monolithic character of a stabilised/solidified waste may vary, depending on the scenario to be addressed or it can be specified in regulation. Rather than describing the procedures and methods in detail this document refers to existing standards and provides some guidance on their use on stabilised/solidified waste materials. This Technical Specification does not address issues related to health and safety. The following procedures and methods are included in this document: - test to determine unconfined compressive strength; - test to determine permeability; - test to determine the loss of mass by dissolution; - test to determine expansion; - test to determine the content of organic matter; - test to determine freeze/thaw effects.

Keel: en
Alusdokumendid: CEN/TS 16675:2018
Asendab dokumenti: CEN/TS 16675:2014

CEN/TS 17198:2018

Stationary source emissions - Predictive Emission Monitoring Systems (PEMS) - Applicability, execution and quality assurance

This Technical Specification gives requirements for the certification of PEMS software and for the performance and quality assurance for a PEMS to prove suitability for its measuring task and to ensure that the PEMS continues to perform within the specified performance during operation of the PEMS.

Keel: en
Alusdokumendid: CEN/TS 17198:2018

EVS-EN 14458:2018

Isiklikud silmakaitsevahendid. Üksnes koos kaitsekiivriga kasutamiseks mõeldud kõrgefektiivsed näovarjud
Personal eye-equipment - High performance visors intended only for use with protective helmets

This European Standard specifies the minimum requirements for visors designed specifically to be used only with protective helmets, including but not limited to those conforming to EN 443, EN 14052, EN 16471 and EN 16473 as the situation dictates. These visors may be permanently fitted to, or removable from, the helmet. See the scope of the various helmet standards for applications. These visors are not intended to protect against smoke and gas /vapour hazards. Three types of visors in two forms are described in this document. The two forms are: - face guards provide both eye and face protection, and - eye guards that are shorter and effectively provide only eye protection. The three types are: - Visors for general use: Eye guards and face guards providing resistance and/or protection against mechanical, liquid chemical and basic physical hazards. - Visors with increased thermal performance: Face guards that additionally provide resistance and/or protection against higher than basic levels of heat and flame. This additional requirement is not applicable for eye guards. - Mesh visors: Eye guards and face guards that incorporate mesh oculars with defined levels of performance from EN 1731, and other additional mechanical requirements described in this standard. Visors for sporting use, those with corrective effect, and goggles used with a protective helmet are not covered by this standard.

Keel: en
Alusdokumendid: EN 14458:2018
Asendab dokumenti: EVS-EN 14458:2004

EVS-EN 16167:2018

Soil, treated biowaste and sludge - Determination of polychlorinated biphenyls (PCB) by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD)

This draft European Standard specifies a method for quantitative determination of seven selected polychlorinated biphenyls (PCB28, PCB52, PCB101, PCB118, PCB138, PCB153 and PCB180) in sludge, treated biowaste and soil using GC-MS and GC-ECD (see Table 2). (...) The limit of detection depends on the determinants, the equipment used, the quality of chemicals used for the extraction of the sample and the clean-up of the extract. Under the conditions specified in this European Standard, limit of application of 1 µg/kg (expressed as dry matter) can be achieved. Sludge and treated biowaste may differ in properties and also in the expected contamination levels of PCBs and presence of interfering substances. These differences make it impossible to describe one general procedure. This European Standard contains decision tables based on the properties of the sample and the extraction and clean-up procedure to be used.

Keel: en
Alusdokumendid: EN 16167:2018
Asendab dokumenti: EVS-EN 16167:2012

EVS-EN 50321-1:2018/AC:2018

Pingealune töö. Elektriohu eest kaitsvad jalatsid. Osa 1: Isoleerjalatsid ja isoleerkalossid
Live working - Footwear for electrical protection – Part 1: Insulating footwear and overboots

Parandus standardile EN 50321-1:2018

Keel: en
Alusdokumendid: EN 50321-1:2018/AC-08
Parandab dokumenti: EVS-EN 50321-1:2018

EVS-EN 60335-2-109:2010/A1:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-109: Erinõuded ultraviolettkiiritus-veekäsitlusseadmetele
Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances

Muudatus standardile EN 60335-2-109:2010

Keel: en
Alusdokumendid: IEC 60335-2-109:2010/A1:2013; EN 60335-2-109:2010/A1:2018
Muudab dokumenti: EVS-EN 60335-2-109:2010

EVS-EN 60335-2-109:2010/A2:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-109: Erinõuded ultraviolettkiiritus-veekäsitlusseadmetele
Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances

Muudatus standardile EN 60335-2-109:2010

Keel: en
Alusdokumendid: IEC 60335-2-109:2010/A2:2016; EN 60335-2-109:2010/A2:2018
Muudab dokumenti: EVS-EN 60335-2-109:2010

EVS-EN 60335-2-16:2003/A11:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-16: Erinõuded toidujäätmete konteineritele
Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers

Deals with the safety of electric food waste disposers for household and similar purposes, their rated voltage being not more than 250 V. This standard does not apply to portable food waste disposers; food waste disposers of the incinerator type; appliances intended exclusively for industrial or commercial purposes; appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapor or gas).

Keel: en
Alusdokumendid: EN 60335-2-16:2003/A11:2018
Muudab dokumenti: EVS-EN 60335-2-16:2003

EVS-EN 60335-2-4:2010/A11:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-4: Erinõuded tsentrifuugidele
Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

Muudatus standardile EN 60335-2-4:2010

Keel: en
Alusdokumendid: EN 60335-2-4:2010/A11:2018
Muudab dokumenti: EVS-EN 60335-2-4:2010

EVS-EN 6059-309:2018

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 309: Fire resistance when fitted on a cable bundle

This European Standard specifies a method of testing the fire resistance of wire harnesses protected with fire resistant sleeve for aerospace application.

Keel: en
Alusdokumendid: EN 6059-309:2018

EVS-EN IEC 60900:2018

Live working - Hand tools for use up to 1 000 V AC and 1 500 V DC

IEC 60900:2018 is applicable to insulated, insulating and hybrid hand tools used for working live or close to live parts at nominal voltages up to 1 000 V AC and 1 500 V DC. The products designed and manufactured according to this document contribute to the safety of the users provided they are used by skilled persons, in accordance with safe methods of work and the instructions for use (where appropriate). This document has been prepared in accordance with the requirements of IEC 61477 where applicable. The products covered by this document may have an impact on the environment during some or all stages of its life cycle. These impacts can range from slight to significant, be of short term or long-term duration, and occur at the global, regional or local level. This document does not include requirements and test provisions for the manufacturers of the products, or recommendations to the users of the products for environmental improvement. This fourth edition cancels and replaces the third 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) addition of a third category of tools has been added, namely hybrid hand tools; b) introduction of a new informative Annex A on examples of insulated, insulating and hybrid hand tools.

Keel: en
Alusdokumendid: IEC 60900:2018; EN IEC 60900:2018
Asendab dokumenti: EVS-EN 60900:2012

EVS-EN ISO 1716:2018

Toodete tuletundlikkuse katsed. Ülemise põlemissoojuse määramine (küttevääртus)
Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (ISO 1716:2018)

See dokument määratleb meetodi materjalide ülemise küttevääртuse (QPCS) määramiseks pommkalorimeetris konstantse ruumala juures. Antud meetod rakendub tahketele materjalidele. MÄRKUS Vedelike katsetamiseks võib kasutada sarnast meetodit, mille katsetingimused on kirjeldatud dokumentides ASTM D240 [1] ja IEC 61039 [2], kasutades katseks ISO 1928 [3] aparatuuri. Juhul kui on nõutud, määratleb tarbimisaine küttevääртuse arvutamist (QPCI) lisa A. Informatsioon katsemeetodi täpsuse kohta on antud lisas B.

Keel: en, et
Alusdokumendid: ISO 1716:2018; EN ISO 1716:2018
Asendab dokumenti: EVS-EN ISO 1716:2010

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 61265:2018

Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft

IEC 61265:2018 specifies requirements for the electroacoustical performance of systems of instruments used to measure sound for the purposes of aircraft noise certification, and for other comparisons among aircraft models, and provides methods by which tests can be made periodically to verify that the performance continues to conform to the requirements within stated limits. In general, a sound measurement system for this purpose comprises a combination of instruments extending from a microphone, including its windscreen and other accessories, through data recording and processing devices to a suitable output. Different measurement systems, regardless of their composition, perform the necessary functions in different ways and operate on either analogue or digital principles. IEC 61265:2018 cancels and replaces the first edition published in 1995. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) addition of guidance for measurements for aircraft other than large transport aeroplanes; b) addition of microphones used in ground plane measurement systems; c) addition of weighted sound level measurements other than one-third-octave band measurements, for certain aircraft types; d) revision and clarification of requirements for digital audio recording; e) addition of requirements for evaluation of measurement uncertainty.

Keel: en
Alusdokumendid: IEC 61265:2018; EN IEC 61265:2018
Asendab dokumenti: EVS-EN 61265:2002

EVS-EN IEC 61788-24:2018

Superconductivity - Part 24: Critical current measurement - Retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires

IEC 61788-24:2018 describes a test method for determining the retained critical current after double bending at room temperature of short and straight Ag- and/or Ag alloy-sheathed Bi-2223 superconducting wires that have the shape of a flat or square tape containing mono- or multicores of oxides. The wires can be laminated with copper alloy, stainless steel or Ni alloy tapes. The test method is intended for use with superconductors that have a critical current less than 300 A and an n-value larger than 5.

Keel: en
Alusdokumendid: IEC 61788-24:2018; EN IEC 61788-24:2018

19 KATSETAMINE

EVS-EN IEC 60721-2-4:2018

Classification of environmental conditions - Part 2-4: Environmental conditions appearing in nature - Solar radiation and temperature

IEC 60721-2-4:2018 presents a broad division into types of solar radiation areas. It is intended to be used as part of the background material when selecting appropriate severities of solar radiation for product applications. All types of geographical areas are covered, except areas with altitudes above 5 000 m. This second edition cancels and replaces the first edition published in 1987 and Amendment 1:1988. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - Figures updated including the addition of global irradiation information - Format updated.

Keel: en
Alusdokumendid: IEC 60721-2-4:2018; EN IEC 60721-2-4:2018

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 9278:2018

Aerospace series - General Principles of Obsolescence Management of chemicals, materials and processes

Obsolescence is a significant risk factor for an organisation and/or a programme activity regarding the continuity of productions, services and maintenance in operational conditions of equipments and systems. It can appear in any phase of the product life cycle. Thus it is essential that the organisation determines the best strategy to be implemented in order to control these risks, implying its customers and suppliers in the definition of this strategy. This recommendation is a document meant to be used as guidelines, for an organisation and/or a given programme, for the implementation of a coordinated management process of obsolescence risks related to chemical products and to their effects on products, especially on materials, processes and mechanical parts. Can be subject to obsolescences: — all categories of equipments as well as their components; — materials and processes used to produce, operate or maintain a product; — all that can be bought, manufactured, repaired, be it done internally or externally; — means of production, test and maintain. This document excludes obsolescences related to electronic components and softwares (for more information on that subject see EN 62402).

Keel: en
Alusdokumendid: EN 9278:2018

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 17871:2015/A1:2018

Gas cylinders - Quick-release cylinder valves - Specification and type testing - Amendment 1 (ISO 17871:2015/Amd 1:2018)

Amendment for EN ISO 17871:2015

Keel: en
Alusdokumendid: ISO 17871:2015/Amd 1:2018; EN ISO 17871:2015/A1:2018
Muudab dokumenti: EVS-EN ISO 17871:2015

25 TOOTMISTEHNOLOOGIA

CEN ISO/TR 20173:2018

Welding - Grouping systems for materials - American materials (ISO 20173:2018)

This document provides an American grouping system for materials for welding purposes, classified in accordance with the grouping system of ISO/TR 15608. A number of Canadian, Australian and New Zealand materials commonly used in North America are also included. It can also apply for other purposes, such as heat treatment, forming, and non-destructive testing. Types of steels are listed in accordance with the grouping system of ISO/TR 15608:2017, Table 1. This document covers grouping systems for the following standardized materials: — steel; — aluminium and its alloys; — nickel and its alloys; — copper and its alloys; — titanium and its alloys; — zirconium and its alloys; — cast irons.

Keel: en
Alusdokumendid: ISO/TR 20173:2018; CEN ISO/TR 20173:2018
Asendab dokumenti: CEN ISO/TR 20173:2009

EVS-EN IEC 61987-92:2018

Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 92: Lists of properties (LOP) of measuring equipment for electronic data exchange - Aspect LOPs

IEC 61987-92:2018 provides the lists of properties (LOPs) describing aspects of equipment for industrial-process automation that is subject to IEC 61987 standard series. This standard series proposes a method for standardization which will help both suppliers and users of measuring equipment to optimize workflows both within their own companies and in their exchanges with other companies. IEC 61987-92 contains additional aspects that are common to all devices, for example, “Packaging and transportation”, “Calibration and test results” and “Device documents supplied”. The structures of the LOPs correspond to the general structures defined in IEC 61987-11 and agree with the fundamentals for the construction of LOPs defined in IEC 61987-10. Libraries of properties and of blocks used in the aspect LOPs are listed in Annex B and Annex C.

Keel: en
Alusdokumendid: IEC 61987-92:2018; EN IEC 61987-92:2018

EVS-EN ISO 10042:2018

Keevitus. Alumiiniumi ja selle sulamite kaarkeevitatud liited. Kvaliteeditasemed keevitusdefektide järgi
Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections (ISO 10042:2018)

Standard esitab kvaliteeditasemed keevitusdefektide järgi kaarkeevitatud alumiiniumi ja selle sulamite keevisliidetes. Standardit rakendatakse materjali paksustel üle 0,5 mm. Kolm kvaliteeditaset on esitatud selliselt, et need võimaldavad hõlmata laia valikut keevituskonstruktsioone. Kvaliteeditasemed on tähistatud tähtedega B, C ja D. Kvaliteeditase B vastab lõpetatud keevisõmbluse kõige kõrgematele nõuetele. Kvaliteeditasemed on seotud tootmise kvaliteediga, mitte nõuetega valmistatud toote eesmärgivastavuse (fitness-for-purpose) kohta (vt jaotis 3.2). See dokument kohaldub igat tüüpi keevisõmblustele (nt põkkõmblused, nurkõmblused ja hargmikliited), manuaalsele, mehhaniseeritud ja automaatkeevitusele ning kõikidele keevitusasenditele. See kohaldub järgmistele keevitusprotsessidele: — kaarkeevitus inertgaasis (MIG-keevitus); gas metal arc welding / USA; — sulamatu elektroodiga kaarkeevitus inertgaasis (TIG-keevitus); gas tungsten arc welding / USA; — plasmakaarkeevitus. See ei kohaldu keevitamise metallurgilistele aspektidele (nt tera suurus, kõvadus).

Keel: en, et
Alusdokumendid: ISO 10042:2018; EN ISO 10042:2018
Asendab dokumenti: EVS-EN ISO 10042:2006

EVS-EN ISO 15612:2018

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Kvalifitseerimine standardse keevitusprotseduuri ülevõtmisega
Specification and qualification of welding procedures for metallic materials - Qualification by adoption of a standard welding procedure (ISO 15612:2018)

See dokument määrab — kuidas kasutaja saab järgida teise organisatsiooni läbi viidud keevitusprotseduuri kvalifitseerimise katsetel põhinevat standardset keevitusprotseduuri spetsifikaati (SWPS); — vahemiku SWPS-i kasutamiseks ISO 15607 kohaselt; — nõuded nende keevitusprotseduuride kvalifitseerimiseks, mis antakse välja kui SWPS-id, ja — nõuded organisatsioonidele, mis võtavad kasutusse SWPS-id. Selle standardi kasutamist võib piirata rakendusstandard või spetsifikatsioon. See dokument on

rakendatav teraste ja alumiiniumi ning selle sulamite keevitamisel (vt 4.1). Kõik uued standardsed keevitusprotseduuri kvalifitseerimised tuleb läbi viia selle dokumendi kohaselt alates selle väljaandmise päevast. Sellegipoolest, see dokument ei muuda kehtetuks eelnevaid standardseid keevitusprotseduuri kvalifitseerimisi, mis on tehtud endiste standardite, spetsifikatsioonide või selle dokumendi varasemate väljaannete kohaselt.

Keel: en, et
Alusdokumendid: ISO 15612:2018; EN ISO 15612:2018
Asendab dokumenti: EVS-EN ISO 15612:2004

EVS-EN ISO 15626:2018

Non-destructive testing of welds - Time-of-flight diffraction technique (TOFD) - Acceptance levels (ISO 15626:2018)

This document specifies acceptance levels for the time- of- flight diffraction technique (TOFD) of full penetration welds in ferritic steels from 6 mm up to 300 mm thickness which correspond to the quality levels of ISO 5817. These acceptance levels are applicable to indications classified in accordance with ISO 10863.

Keel: en
Alusdokumendid: ISO 15626:2018; EN ISO 15626:2018
Asendab dokumenti: EVS-EN ISO 15626:2013

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 61400-11:2013/A1:2018

Wind turbines - Part 11: Acoustic noise measurement techniques

Amendment for EN 61400-11:2013

Keel: en
Alusdokumendid: IEC 61400-11:2012/A1:2018; EN 61400-11:2013/A1:2018
Muudab dokumenti: EVS-EN 61400-11:2013

EVS-EN IEC 62282-5-100:2018

Fuel cell technologies - Part 5-100: Portable fuel cell power systems - Safety

IEC 62282-5-100:2018 covers construction, marking and test requirements for portable fuel cell power systems. These fuel cell systems are movable and not fastened or otherwise secured to a specific location. The purpose of the portable fuel cell power system is to produce electrical power. This document applies to AC and DC type portable fuel cell power systems, with a rated output voltage not exceeding 600 V AC, or 850 V DC for indoor and outdoor use.

Keel: en
Alusdokumendid: IEC 62282-5-100:2018; EN IEC 62282-5-100:2018
Asendab dokumenti: EVS-EN 62282-5-1:2012

29 ELEKTROTEHNIKA

EVS-EN 61466-2:2002/A2:2018

Composite string insulator units for overhead lines with a nominal voltage greater than 1 000 V - Part 2: Dimensional and electrical characteristics

Amendment for EN 61466-2:1998

Keel: en
Alusdokumendid: IEC 61466-2:1998/A2:2018; EN 61466-2:1998/A2:2018
Muudab dokumenti: EVS-EN 61466-2:2002

EVS-EN IEC 60034-4-1:2018

Rotating electrical machines - Part 4-1: Methods for determining electrically excited synchronous machine quantities from tests

IEC 60034-4-1:2018 applies to three-phase synchronous machines of 1 kVA rating and larger and describes methods intended to be used for machines having an excitation winding with slip-rings and brushes for their supply. Synchronous machines with brushless excitation require special effort for some of the tests. For machines with permanent magnet excitation, there is a limited applicability of the described tests, and special precautions should be taken against irreversible demagnetization.

Keel: en
Alusdokumendid: IEC 60034-4-1:2018; EN IEC 60034-4-1:2018
Asendab dokumenti: EVS-EN 60034-4:2008

EVS-EN IEC 60127-8:2018

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

IEC 60127-8:2018(E) relates to fuse resistors with particular overcurrent protection rated up to AC 500 V and/or DC 500 V for printed circuits and other substrate systems, used for the protection of electric appliances, electronic equipment and component parts thereof, normally intended to be used indoors. It does not apply to fuse resistors with particular overcurrent protection for appliances intended to be used under special conditions, such as in a corrosive or explosive atmosphere. The object of this part

of IEC 60127 is a) to establish uniform requirements for fuse resistors with particular overcurrent protection so as to protect appliances or parts of appliances in the most suitable way; b) to define the performance of the fuse resistors with particular overcurrent protection, so as to give guidance to manufacturers of electrical appliances and electronic equipment and to ensure replacement of fuse resistors with particular overcurrent protection by those of similar dimensions and characteristics; c) to establish uniform test methods for fuse resistors with particular overcurrent protection, so as to allow verification of the values (for example rated dissipation, functioning characteristic and rated breaking capacity values) specified by the manufacturer. This part of IEC 60127 applies in addition to the requirements of IEC 60127-1. This first edition of IEC 60127-8 cancels and replaces IEC PAS 60127-8:2014. This international standard is to be used in conjunction with IEC 60127-1.

Keel: en
Alusdokumendid: IEC 60127-8:2018; EN IEC 60127-8:2018

EVS-EN IEC 60376:2018

Specification of technical grade sulphur hexafluoride (SF6) and complementary gases to be used in its mixtures for use in electrical equipment

This document defines the quality for technical grade sulphur hexafluoride (SF6) and complementary gases such as nitrogen (N2) and carbon tetra-fluoride (CF4), for use in electrical equipment. Detection techniques, covering both laboratory and in-situ portable instrumentation, applicable to the analysis of SF6, N2 and CF4 gases prior to the introduction of these gases into the electrical equipment are also described in this document. This document provides some information on sulphur hexafluoride in Annex A and on the environmental effects of SF6 in Annex B. Information about SF6 by-products and the procedure for evaluating the potential effects of SF6 by-products on human health are covered by IEC 60480, their handling and disposal being carried out according to international and local regulations with regard to the impact on the environment. Handling of SF6 and its mixtures is covered by IEC 62271-4. Procedures to determine SF6 leakages are described in IEC 60068-2-17. For the purposes of this document, the complementary gases used in SF6 mixtures will be limited to N2 or CF4.

Keel: en
Alusdokumendid: IEC 60376:2018; EN IEC 60376:2018
Asendab dokumenti: EVS-EN 60376:2005

EVS-EN IEC 60900:2018

Live working - Hand tools for use up to 1 000 V AC and 1 500 V DC

IEC 60900:2018 is applicable to insulated, insulating and hybrid hand tools used for working live or close to live parts at nominal voltages up to 1 000 V AC and 1 500 V DC. The products designed and manufactured according to this document contribute to the safety of the users provided they are used by skilled persons, in accordance with safe methods of work and the instructions for use (where appropriate). This document has been prepared in accordance with the requirements of IEC 61477 where applicable. The products covered by this document may have an impact on the environment during some or all stages of its life cycle. These impacts can range from slight to significant, be of short term or long-term duration, and occur at the global, regional or local level. This document does not include requirements and test provisions for the manufacturers of the products, or recommendations to the users of the products for environmental improvement. This fourth edition cancels and replaces the third 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) addition of a third category of tools has been added, namely hybrid hand tools; b) introduction of a new informative Annex A on examples of insulated, insulating and hybrid hand tools.

Keel: en
Alusdokumendid: IEC 60900:2018; EN IEC 60900:2018
Asendab dokumenti: EVS-EN 60900:2012

EVS-EN IEC 61788-24:2018

Superconductivity - Part 24: Critical current measurement - Retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires

IEC 61788-24:2018 describes a test method for determining the retained critical current after double bending at room temperature of short and straight Ag- and/or Ag alloy-sheathed Bi-2223 superconducting wires that have the shape of a flat or square tape containing mono- or multicores of oxides. The wires can be laminated with copper alloy, stainless steel or Ni alloy tapes. The test method is intended for use with superconductors that have a critical current less than 300 A and an n-value larger than 5.

Keel: en
Alusdokumendid: IEC 61788-24:2018; EN IEC 61788-24:2018

EVS-EN IEC 62271-102:2018

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

IEC 62271-102:2018 applies to alternating current disconnectors and earthing switches, designed for indoor and outdoor installations for nominal voltages above 1 000 V and for service frequencies up to and including 60 Hz. This second edition cancels and replaces the first edition published in 2001, Amendment 1:2011 and Amendment 2:2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - new numbering according to IEC 17/1025/RQ to harmonize with ISO/IEC Directives, Part 2, and IEEE Std. C37.100.1; - clause numbering has been aligned with IEC 62271-1:2017; - the Scope has been extended to cover all indoor and outdoor installations. Consideration of switching devices having disconnecting and/or earthing switch functionalities, apart from other functions, are also covered by this document; - ratings have been moved from Annexes B, C and E to Clause 5; the order of the subclauses now corresponds to the order of subclauses in Clause 7; - new rating values for bus-transfer current and bus-transfer voltage have been assigned; - new class of mechanical endurance for earthing switches has been added (M1); - subclause "Rated values of electrical endurance for earthing switches" is now called "Classification of earthing switches for short-circuit making capability"; new

subclause with ratings for ice-coating has been added; new subclause with classification of bus-charging switching capability has been added; - new withstand requirements for interlocking devices have been added; the way to comply with the requirements of the isolating distance of disconnectors has been modified; design and construction requirements for position-indicating devices have been modified, aligning the requirements for position indication and signalling; - the value of the operating force has been changed; - the test procedures and validation criteria have been revised and modified where necessary; - requirements for applied voltage during single-phase test on non-simultaneous closing earthing switches have been changed; non-verifiable requirements have been deleted; - a new subclause has been added for testing mechanical interlocking devices; - the high- and low-temperature test is mandatory if the temperature limits for the service conditions of the apparatus (defined by the manufacturer) are above +40 °C or below −5 °C, and a more detailed testing procedure is given; - the testing procedure to verify the proper functioning of the position-indicating device allows a more practicable testing for every technology used; - a new Annex B has been added with title: "Current-switching capability required of disconnectors and earthing switches"; - a new Annex C has been added with title: "Tolerances on test quantities for type tests"; - a new Annex E has been added with title: "Extension of validity of type tests".

Keel: en
Alusdokumendid: EN IEC 62271-102:2018; IEC 62271-102:2018
Asendab dokumenti: EVS-EN 62271-102:2003
Asendab dokumenti: EVS-EN 62271-102:2003/A1:2011
Asendab dokumenti: EVS-EN 62271-102:2003/A2:2013
Asendab dokumenti: EVS-EN 62271-102:2003/AC:2015

EVS-EN IEC 62442-3:2018

Energy performance of lamp controlgear - Part 3: Controlgear for tungsten-halogen lamps and LED light sources - Method of measurement to determine the efficiency of controlgear

IEC 62442-3:2018 defines a measurement method for the power losses of electromagnetic transformers as well as the power losses and the standby power of electronic convertors for tungsten-halogen lamps and for LED light source(s). It is applicable for controlgear that are designed for use on DC supplies up to 1 000 V and/or AC supplies up to 1 000 V at 50 Hz or 60 Hz. A calculation method of the efficiency of the mentioned controlgear for tungsten-halogen lamps and LED light source(s) is also defined. This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision and has been harmonized with IEC 62442-1 and IEC 62442-2.

Keel: en
Alusdokumendid: IEC 62442-3:2018; EN IEC 62442-3:2018
Asendab dokumenti: EVS-EN 62442-3:2014
Asendab dokumenti: EVS-EN 62442-3:2014/A11:2017

EVS-EN IEC 63093-11:2018

Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 11: EC-cores for use in power supply applications

IEC 63093-11:2018(E) specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of EC-cores made of ferrite and the essential dimensions of coil formers to be used with them, as well the effective parameter values to be used in calculations involving them. It also gives guidelines on allowable limits of surface irregularities applicable to EC-cores. The specifications contained in this document are useful in negotiations between ferrite core manufacturers and customers about surface irregularities. This first edition cancels and replaces the first edition of IEC 62317-11 published in 2015 and the second edition of IEC 60424-3 published in 2015. This edition constitutes a technical revision. This document includes the following significant technical changes with respect to IEC 62317-11:2015 and IEC 60424-3:2015: - This document integrates IEC 62317-11:2015 and IEC 60424-3:2015; - Table 3 – Allowable areas of chips for EC-cores, of IEC 60424-3:2015, has been moved to Annex B (informative) of this document.

Keel: en
Alusdokumendid: IEC 63093-11:2018; EN IEC 63093-11:2018

31 ELEKTROONIKA

EVS-EN IEC 60384-26:2018

Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte

IEC 60384-26:2018 applies to fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte primarily intended for d.c. applications for use in electronic equipment. Fixed aluminium electrolytic capacitors with solid (MnO_2) electrolyte are covered by IEC 60384-4. Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte are covered by IEC 60384-25. The object of this document is to prescribe preferred ratings and characteristics and to select from IEC 60384-1, the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of capacitor. Test severities and requirements prescribed in detail specifications referring to this sectional specification shall be of equal or higher performance level, because lower performance levels are not permitted. This edition includes the following significant technical changes with respect to the previous edition: - revision of the structure in accordance with ISO/IEC Directives, Part 2:2016 to the extent practicable, and harmonization between other similar kinds of documents; - in addition, Clause 4 and all the tables have been reviewed in order to prevent duplications and contradictions.

Keel: en
Alusdokumendid: IEC 60384-26:2018; EN IEC 60384-26:2018
Asendab dokumenti: EVS-EN 60384-26:2010

EVS-EN IEC 62435-4:2018

Electronic components - Long-term storage of electronic semiconductor devices - Part 4: Storage

IEC 62435-4:2018(E) specifies long-term storage methods and recommended conditions for long-term storage of electronic components including logistics, controls and security related to the storage facility. Long-term storage refers to a duration that may be more than 12 months for products scheduled for long duration storage. The philosophy of such storage, good working practices and general means to facilitate the successful long-term storage of electronic components are also addressed.

Keel: en
Alusdokumendid: IEC 62435-4:2018; EN IEC 62435-4:2018

EVS-EN IEC 62969-4:2018

Semiconductor devices - Semiconductor interface for automotive vehicles - Part 4: Evaluation method of data interface for automotive vehicle sensors

IEC 62969-4:2018 specifies a method of directly fault injection test for automotive semiconductor sensor interface that can be used to support the conformance assurance in the vehicle communications interface.

Keel: en
Alusdokumendid: IEC 62969-4:2018; EN IEC 62969-4:2018

33 SIDETEHNIKA

EVS-EN IEC 60794-4:2018

Optical fibre cables - Part 4: Sectional specification - Aerial optical cables along electrical power lines

This part of IEC 60794 covers cable construction, test methods, optical, mechanical, environmental and electrical performance requirements for aerial optical fibre cables and cable elements which are intended to be used along power lines (OCEPL) as a high bandwidth transport media for communications and control optical signals, including optical ground wires (OPGW), optical phase conductors (OPPC), metallic aerial self-supported cables (MASS), all-dielectric self-supporting cables (ADSS) and optical attached cables (OPAC). This document excludes figure-8 optical cables to be used on telephone utility poles. The IEC TR 62839-1 gives recommendations to provide the customer with the environmental declaration on request.

Keel: en
Alusdokumendid: IEC 60794-4:2018; EN IEC 60794-4:2018
Asendab dokumenti: EVS-EN 60794-4:2004

EVS-EN IEC 61755-6-2:2018

Fibre optic interconnecting devices and passive components - Connector optical interfaces - Part 6-2: Connection of 50 µm core diameter multimode physically contacting fibres - Non-angled for reference connector application, at wavelength of 850 nm using selected A1a fibre only

IEC 61755-6-2: 2018 defines the dimensional limits of an optical interface for reference connectors necessary to meet specific requirements for fibre-to-fibre interconnection of non-angled polished multimode reference connectors with cylindrical ferrules intended to be used for attenuation measurements in the field or factory. One grade of reference connector is defined in this document. The reference connector is terminated to selected IEC 60793-2-10:2015 A1a fibre. The geometrical dimensions and tolerances of the specified reference connector have been developed primarily to limit the variation in measured attenuation between multiple sets of two reference connectors, and therefore to limit the variation in measured attenuation between randomly chosen reference connectors when mated with connectors in the field or factory.

Keel: en
Alusdokumendid: IEC 61755-6-2:2018; EN IEC 61755-6-2:2018

EVS-EN IEC 62325-451-6:2018

Framework for energy market communications - Part 451-6: Publication of information on market, contextual and assembly models for European-style markets

IEC 62325-451-6:2018 specifies a UML package for the market information publication business process and its associated document contextual models, assembly models and XML schemas for use within the European-style electricity markets. This standard is based on the European-style market contextual model (IEC 62325-351). The relevant aggregate core components (ACCs) defined in IEC 62325-351 have been contextualised into aggregated business information entities (ABIEs) to satisfy the requirements of the European-style market publication business process. This new edition includes the following significant technical changes with respect to the previous edition: - Addition of a new model allowing to publish information about the transmission capacity allocation participants. - Updates allowing to publish information about implicit transmission allocations on third countries borders, to publish outage related to consumption units and to publish information for resource object that can either consume or generate.

Keel: en
Alusdokumendid: IEC 62325-451-6:2018; EN IEC 62325-451-6:2018
Asendab dokumenti: EVS-EN 62325-451-6:2016

EVS-EN IEC 62680-1-3:2018

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector Specification

IEC 62680-1-3:2018(E) defines the USB Type-C™ receptacles, plug and cables. The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are compatible with existing USB interface electrical and functional specifications. This specification covers the following aspects that are needed to produce and use this new USB cable/connector solution in newer platforms and devices, and that interoperate with existing platforms and devices: - USB Type-C receptacles, including electro-mechanical definition and performance requirements - USB Type-C plugs and cable assemblies, including electro-mechanical definition and performance requirements - USB Type-C to legacy cable assemblies and adapters - USB Type-C-based device detection and interface configuration, including support for legacy connections - USB Power Delivery optimized for the USB Type-C connector. This specification is intended as a supplement to the existing USB 2.0, USB 3.1 and USB Power Delivery specifications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementations. This third edition cancels and replaces the second edition published in 2017 and constitutes a technical revision.

Keel: en
Alusdokumendid: IEC 62680-1-3:2018; EN IEC 62680-1-3:2018
Asendab dokumenti: EVS-EN 62680-1-3:2017

EVS-EN IEC 63032:2018

Fibre optic interconnecting devices and passive components - Fibre optic tuneable bandpass filters - Generic specification

IEC 63032:2018 applies to the family of tuneable bandpass filters. These components can modify the spectral intensity distribution in order to select some wavelengths and inhibit others. They can be categorized into the following: - wavelength tuneable; - bandwidth tuneable; - wavelength and bandwidth tuneable filter. This document establishes uniform requirements for optical, mechanical and environmental properties.

Keel: en
Alusdokumendid: IEC 63032:2018; EN IEC 63032:2018

35 INFOTEHNOLOOGIA

CLC/TR 50600-99-1:2018

Information technology - Data centre facilities and infrastructures - Part 99-1: Recommended practices for energy management

This document is a compilation of recommended Practices for improving the energy management (i.e. reduction of energy consumption and/or increases in energy efficiency) of data centres. It is aligned with the EU Code of Conduct for Data Centre Energy Efficiency (CoC) scheme operated by the Directorate-General Joint Research Centre (DG JRC) of the European Commission (EC). It is recognized that the Practices included might not be universally applicable to all scales and business models of data centres or be undertaken by all parties involved in data centre operation, ownership or use.

Keel: en
Alusdokumendid: CLC/TR 50600-99-1:2018
Asendab dokumenti: CLC/TR 50600-99-1:2017

CLC/TR 50600-99-2:2018

Information technology - Data centre facilities and infrastructures - Part 99-2: Recommended practices for environmental sustainability

This document is a compilation of recommended practices for improving the environmental sustainability of both new and existing data centres. Environmental impacts consider not just those associated with electricity but also water usage and other pollutants. It is recognised that the practices included are not universally applicable to all scales and business models of data centres or be undertaken by all parties involved in data centre operation, ownership or use.

Keel: en
Alusdokumendid: CLC/TR 50600-99-2:2018

CLC/TR 50600-99-3:2018

Information technology - Data centre facilities and infrastructures - Part 99-3: Guidance to the application of EN 50600 series

This document offers users additional information on the background of the requirements and recommendations in the EN 50600 series. In addition it constitutes a guideline for the correct application and interpretation of these standards.

Keel: en
Alusdokumendid: CLC/TR 50600-99-3:2018

EVS-EN IEC 61987-92:2018

Industrial-process measurement and control - Data structures and elements in process equipment catalogues - Part 92: Lists of properties (LOP) of measuring equipment for electronic data exchange - Aspect LOPs

IEC 61987-92:2018 provides the lists of properties (LOPs) describing aspects of equipment for industrial-process automation that is subject to IEC 61987 standard series. This standard series proposes a method for standardization which will help both suppliers and users of measuring equipment to optimize workflows both within their own companies and in their exchanges with other companies. IEC 61987-92 contains additional aspects that are common to all devices, for example, “Packaging and transportation”, “Calibration and test results” and “Device documents supplied”. The structures of the LOPs correspond to the general structures defined in IEC 61987-11 and agree with the fundamentals for the construction of LOPs defined in IEC 61987-10. Libraries of properties and of blocks used in the aspect LOPs are listed in Annex B and Annex C.

Keel: en
Alusdokumendid: IEC 61987-92:2018; EN IEC 61987-92:2018

EVS-EN IEC 62680-1-3:2018

Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector Specification

IEC 62680-1-3:2018(E) defines the USB Type-C™ receptacles, plug and cables. The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are compatible with existing USB interface electrical and functional specifications. This specification covers the following aspects that are needed to produce and use this new USB cable/connector solution in newer platforms and devices, and that interoperate with existing platforms and devices: - USB Type-C receptacles, including electro-mechanical definition and performance requirements - USB Type-C plugs and cable assemblies, including electro-mechanical definition and performance requirements - USB Type-C to legacy cable assemblies and adapters - USB Type-C-based device detection and interface configuration, including support for legacy connections - USB Power Delivery optimized for the USB Type-C connector. This specification is intended as a supplement to the existing USB 2.0, USB 3.1 and USB Power Delivery specifications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementations. This third edition cancels and replaces the second edition published in 2017 and constitutes a technical revision.

Keel: en
Alusdokumendid: IEC 62680-1-3:2018; EN IEC 62680-1-3:2018
Asendab dokumenti: EVS-EN 62680-1-3:2017

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN IEC 61162-450:2018

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection

IEC 61162-450:2018 specifies interface requirements and methods of test for high speed communication between shipboard navigation and radiocommunication equipment as well as between such systems and other ship systems that need to communicate with navigation and radio-communication equipment. This document is based on the application of an appropriate suite of existing international standards to provide a framework for implementing data transfer between devices on a shipboard Ethernet network. This document specifies an Ethernet based bus type network where any listener can receive messages from any sender with the following properties. - This document includes provisions for multicast distribution of information formatted according to IEC 61162-1, for example position fixes and other measurements, as well as provisions for transmission of general data blocks (binary file), for example between radar and VDR, and also includes provisions for multicast distribution of information formatted according to IEC 61162-3, for example position fixes and other measurements. - This document is limited to protocols for equipment (network nodes) connected to a single Ethernet network consisting only of OSI level one or two devices and cables (Network infrastructure). - This document provides requirements only for equipment interfaces. By specifying protocols for transmission of IEC 61162-1 sentences, IEC 61162-3 PGN messages and general binary file data, these requirements will guarantee interoperability between equipment implementing this document as well as a certain level of safe behaviour of the equipment itself. - This document permits equipment using other protocols than those specified in this document to share a network infrastructure, provided that it is supplied with interfaces which satisfy the requirements described for ONF. - This document includes provisions for filtering of the network traffic in order to limit the amount of traffic to manageable level for each individual equipment. This document does not contain any system requirements other than the ones that can be inferred from the sum of individual equipment requirements. An associated standard, IEC 61162-460, further addresses system requirements. This second edition of IEC 61162-450 cancels and replaces the first edition published in 2011 and Amendment 1:2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) network traffic filtering based on IGMP snooping added; b) network traffic balancing added; c) new encapsulation of IEC 61162-3 PGNs added; d) new alternative for binary file transfer added: TCP/IP based on Annex H of IEC 62388:2007 on radars; e) general authentication tag "a:" added to support managing of cyber security risk.

Keel: en
Alusdokumendid: IEC 61162-450:2018; EN IEC 61162-450:2018
Asendab dokumenti: EVS-EN 61162-450:2011
Asendab dokumenti: EVS-EN 61162-450:2011/A1:2016

EVS-EN IEC 61162-460:2018

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security

IEC 61162-460:2018 is an add-on to IEC 61162-450 where higher safety and security standards are needed, for example due to higher exposure to external threats or to improve network integrity. This document provides requirements and test methods for equipment to be used in an IEC 61162-460 compliant network as well as requirements for the network itself and requirements for interconnection from the network to other networks. This document also contains requirements for a redundant IEC 61162-460 compliant network. This document does not introduce new application level protocol requirements to those that are defined in IEC 61162-450. This second edition of IEC 61162-460 cancels and replaces the first edition published in 2015. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) 460-Switches and 460-Forwarders are required to implement IGMP snooping; b) connection between secure and non-secure areas requires a 460-Forwarder as an isolation element; c) SFI collision detection added as function of network monitoring; d) 460-Gateway and 460-Wireless gateway are no longer required to report to the network monitoring; e) all alerts from network monitoring have standardized alert identifiers.

Keel: en
Alusdokumendid: IEC 61162-460:2018; EN IEC 61162-460:2018
Asendab dokumenti: EVS-EN 61162-460:2015

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 12312-8:2018

Õhusõidukite maapealsed teenindusseadmed. Erinõuded. Osa 8: Hooldus- või teenindustrepid ja platvormid

Aircraft ground support equipment - Specific requirements - Part 8: Maintenance or service stairs and platforms

1.1 General This document specifies the technical requirements to minimize the hazards listed in Clause 4 which can arise during the commissioning, the operation and the maintenance of maintenance or service stairs and platforms when used as intended, including misuse reasonably foreseeable by the manufacturer, when carried out in accordance with the specifications given by the manufacturer or his authorized representative. It also takes into account some requirements recognized as essential by authorities, aircraft and ground support equipment (GSE) manufacturers as well as airlines and handling agencies. These machines are designed to be used as aircraft ground support equipment with the intended use to serve aircraft in outdoor conditions on the apron. They can also be used indoors at hangars. The use of such equipment for operations not in conjunction with aircraft is not defined as intended use therein. Due to the good operational conditions on the apron, deviations from some clauses of EN 280 were deemed acceptable. This European Standard applies to: a) self-propelled fixed or adjustable maintenance or service stairs and elevating platforms; b) towable maintenance or service stairs and platforms equipped with powered means, e.g. for height adjustment, stabilizers; designed for aircraft maintenance or service purposes including access to the aircraft. NOTE 1 Powered will be also understood as manual effort stored in springs or hydraulic accumulators, etc., the dangerous action of which can be produced or can continue after the manual effort has ceased or directly applied manual effort for lifting or lowering loads. NOTE 2 Those clauses of this standard that can apply can also be used as a guideline for the design of towable maintenance or service stairs and platforms without powered means. This European Standard does not apply to: c) maintenance docks either fixed to the ground or moveable only for docking procedure; d) ground support equipment specifically intended, built and equipped with a fluid system for aircraft de-icing and anti-icing (see EN 12312 6); NOTE 3 This does not prevent aircraft de-icers meeting the requirements of EN 12312 6 from being used as a means of access for aircraft maintenance, e.g. windshield cleaning, etc. e) mobile elevating work platforms (MEWP) used at the airports for purposes other than aircraft maintenance, e.g. buildings and facilities (see EN 280). No extra requirements on noise and vibration are provided other than those given in EN 1915 3 and EN 1915 4. NOTE 4 EN 1915 3 and EN 1915 4 provide the general GSE vibration and noise requirements. This European Standard does not deal with hazards in respect to a standard automotive chassis and from other vehicles on the apron. This part of EN 12312 is not applicable to maintenance or service stairs and platforms which are manufactured before the date of publication of this standard by CEN. This part of EN 12312 when used in conjunction with EN 1915 1, EN 1915 2, EN 1915 3 and EN 1915 4 provides the requirements for maintenance or service stairs and platforms. 1.2 Classification For the purposes of this document, mobile elevating work platforms (MEWPs) used for aircraft maintenance access are divided into two main groups A and B. In addition, group C is considered as described in c) hereafter: a) Group A: MEWPs where the vertical projection of the centre of the platform area is always inside the tipping lines. NOTE 1 See 5.2 hereafter for the specific requirements applying to Group A MEWPs. b) Group B: MEWPs where the vertical projection of the centre of the platform area may be outside the tipping lines. NOTE 2 See 5.3 hereafter for the specific requirements applying to Group B MEWPs. c) Group C consists of maintenance or service access stairs, where persons are not elevated by the machine but climb a flight of steps. (...)

Keel: en
Alusdokumendid: EN 12312-8:2018
Asendab dokumenti: EVS-EN 12312-8:2005+A1:2009

EVS-EN 16603-20-20:2018

Space engineering - Electrical design and interface requirements for power supply

The target applications covered by this standard are all missions traditionally provided with power distribution and protection by LCLs/RLCLs (science, earth observation, navigation) with exclusion of telecom applications which are traditionally provided with power distribution and protection by fuses. The present standard applies to power distribution by LCLs/RLCLs for power systems, and in general for satellites, required to be Single Point Failure Free. The present standard document applies exclusively to the main bus power distribution by LCLs/RLCLs to external satellite loads. Internal power system protections of LCLs/RLCLs are not covered. Paralleling of LCLs to increase power supply line reliability is not covered by the present standard, since this choice does not appreciably change the reliability of the overall function (i.e. LCL plus load). In fact, a typical reliability figure of the LCL (limited

to the loss of its switch ON capability) is 20 FIT or less. If the load to be connected to the LCL line has a substantial higher failure rate than this, it is not necessary to duplicate the LCL to supply that load.

Keel: en
Alusdokumendid: EN 16603-20-20:2018

EVS-EN 2031:2018

Aerospace series - Steel 102Cr6 (1.2067) - Hardened and tempered - Bars

This document specifies the requirements relating to: Steel 102Cr6 (1.2067) Hardened and tempered Bars for aerospace applications.

Keel: en
Alusdokumendid: EN 2031:2018

EVS-EN 2084:2018

Aerospace series - Cables, electrical, general purpose, with conductors in copper or copper alloy - Technical specification

This European Standard specifies the characteristics, test methods, qualification and acceptance conditions of single and multicore electric cables, without jackets, for general purpose with conductors in copper or copper alloy, intended for installation in aircraft circuits. The insulation of these cables is designed to withstand aircraft voltages at a frequency not exceeding 2 000 Hz. Unless specified by individual product standards the maximum demonstrated a.c. voltage of rating of these cables is 115 V rms (phase to neutral) and 200 V rms (phase to phase). They are divided into types, the characteristics of which are given in the product standards. Unless otherwise specified in the product standard, the tests defined in this standard apply.

Keel: en
Alusdokumendid: EN 2084:2018
Asendab dokumenti: EVS-EN 2084:2015

EVS-EN 2591-100:2018

Aerospace series - Elements of electrical and optical connection - Test methods - Part 100: General

This European Standard specifies the general requirements for the methods of testing elements of electrical, optical and data transmission system connections used in aerospace applications.

Keel: en
Alusdokumendid: EN 2591-100:2018
Asendab dokumenti: EVS-EN 2591-100:2005

EVS-EN 2591-318:2018

Aerospace series - Elements of electrical and optical connection - Test methods - Part 318: Fire-resistance

This European Standard specifies a method of determining fire-resistance of elements of connection. It shall be used together with EN 2591-100.

Keel: en
Alusdokumendid: EN 2591-318:2018
Asendab dokumenti: EVS-EN 2591-318:2000

EVS-EN 3375-001:2018

Aerospace series - Cable, electrical, for digital data transmission - Part 001: Technical specification

This European Standard specifies the required characteristics, test methods, qualification and acceptance conditions of signal data transmission electrical cables.

Keel: en
Alusdokumendid: EN 3375-001:2018
Asendab dokumenti: EVS-EN 3375-001:2007

EVS-EN 3475-411:2018

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 411: Resistance to fluids

This European Standard specifies two methods of determining the fluid resistance of a finished cable. Method 1: occasional contamination. Method 2: contamination test. It shall be used together with EN 3475-100 and EN 3909.

Keel: en
Alusdokumendid: EN 3475-411:2018
Asendab dokumenti: EVS-EN 3475-411:2014

EVS-EN 3646-003:2018

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 003: Receptacle, square flange mounting - Product standard

This European Standard defines the characteristics of square flange receptacles of the family of bayonet coupling circular connectors, intended for use in an operating temperature range of -65 °C to 175 °C or 200 °C continuous. It applies to models defined in Table 3. For contact, filler plugs and rear accessories associated with this receptacle see EN 3646-002. For plugs and protective covers, see EN 3646-008 and EN 3646-009 respectively.

Keel: en
Alusdokumendid: EN 3646-003:2018
Asendab dokumenti: EVS-EN 3646-003:2006

EVS-EN 3646-006:2018

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Receptacle, hermetic, jam-nut mounting - Product standard

This European Standard defines the characteristics of hermetic jam-nut mounted receptacles in the family of bayonet coupling circular connectors, intended for use in an operating temperature range of -65 °C to 175 °C or 200 °C continuous. It applies to models defined in Table 4. For plugs and protective covers, see EN 3646-008 and EN 3646-009 respectively.

Keel: en
Alusdokumendid: EN 3646-006:2018
Asendab dokumenti: EVS-EN 3646-006:2006

EVS-EN 4604-010:2018

Aerospace series - Cable, electrical, for signal transmission - Part 010 : Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) - Product standard

This European Standard specifies the required characteristics of a light weight coaxial cable, 50 Ω, type KX for use in aircraft electrical systems at operating temperature between -55 °C and 200 °C and specially for high frequency up to 6 GHz. Nevertheless, if needed, -65 °C is also acceptable as shown by rapid change of temperature test.

Keel: en
Alusdokumendid: EN 4604-010:2018
Asendab dokumenti: EVS-EN 4604-010:2017

EVS-EN 4611-002:2018

Aerospace series - Cables, electrical, for general purpose, single and multicore assembly - XLETFE Family - Part 002: General

This European Standard specifies the list of product standards and common characteristics of electrical cables for use in the on-board electrical systems of aircraft operating at temperatures between -65 °C to 135 °C and 150 °C, dependent upon conductor type. The voltage rating is 600 V rms at sea level. This insulation system has been used in aerospace applications using 115 V ac (phase-to-neutral) 400 Hz and 28 V dc. Verification of the suitability of cables for use in other electrical systems is the responsibility of the user.

Keel: en
Alusdokumendid: EN 4611-002:2018
Asendab dokumenti: EVS-EN 4611-002:2012

EVS-EN 6059-309:2018

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 309: Fire resistance when fitted on a cable bundle

This European Standard specifies a method of testing the fire resistance of wire harnesses protected with fire resistant sleeve for aerospace application.

Keel: en
Alusdokumendid: EN 6059-309:2018

EVS-EN 9278:2018

Aerospace series - General Principles of Obsolescence Management of chemicals, materials and processes

Obsolescence is a significant risk factor for an organisation and/or a programme activity regarding the continuity of productions, services and maintenance in operational conditions of equipments and systems. It can appear in any phase of the product life cycle. Thus it is essential that the organisation determines the best strategy to be implemented in order to control these risks, implying its customers and suppliers in the definition of this strategy. This recommendation is a document meant to be used as guidelines, for an organisation and/or a given programme, for the implementation of a coordinated management process of obsolescence risks related to chemical products and to their effects on products, especially on materials, processes and mechanical parts. Can be subject to obsolescences: — all categories of equipments as well as their components; — materials and processes used to produce, operate or maintain a product; — all that can be bought, manufactured, repaired, be it done internally or externally; — means of production, test and maintain. This document excludes obsolescences related to electronic components and softwares (for more information on that subject see EN 62402).

Keel: en
Alusdokumendid: EN 9278:2018

EVS-EN IEC 61265:2018

Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure sound pressure levels in noise certification of aircraft

IEC 61265:2018 specifies requirements for the electroacoustical performance of systems of instruments used to measure sound for the purposes of aircraft noise certification, and for other comparisons among aircraft models, and provides methods by which tests can be made periodically to verify that the performance continues to conform to the requirements within stated limits. In general, a sound measurement system for this purpose comprises a combination of instruments extending from a microphone, including its windscreen and other accessories, through data recording and processing devices to a suitable output. Different measurement systems, regardless of their composition, perform the necessary functions in different ways and operate on either analogue or digital principles. IEC 61265:2018 cancels and replaces the first edition published in 1995. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) addition of guidance for measurements for aircraft other than large transport aeroplanes; b) addition of microphones used in ground plane measurement systems; c) addition of weighted sound level measurements other than one-third-octave band measurements, for certain aircraft types; d) revision and clarification of requirements for digital audio recording; e) addition of requirements for evaluation of measurement uncertainty.

Keel: en
Alusdokumendid: IEC 61265:2018; EN IEC 61265:2018
Asendab dokumenti: EVS-EN 61265:2002

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN ISO 19014-1:2018

Mullatöömasinad. Ohutus. Osa 1: Kontrollsüsteemi ohutusega seotud osade määramise metoodika ja toimivusnõuded
Earth-moving machinery - Functional safety - Part 1: Methodology to determine safety-related parts of the control system and performance requirements (ISO 19014-1:2018)

This document provides a methodology for the determination of performance levels required for earth moving machinery (EMM) as defined in ISO 6165. A Machine Control System Safety Analysis (MCSSA) determines the amount of risk reduction of hazards associated with control systems, required for Safety Control Systems (SCS). This reduction is quantified by the Machine Performance Level (MPL), the hazards are identified using the risk assessment principles as defined in ISO 12100 or by other means. NOTE 1 Step 2 as shown in Annex A demonstrates the relationship between ISO 12100 and ISO 19014 as a complementary protective measure. NOTE 2 ISO 19014 can also be used to assess the functional safety requirements of other off-road mobile machinery. For those controls determined to be safety-related, the characteristics for architecture, hardware, software environmental requirements and performance are covered by other parts in ISO 19014. ISO 19014 covers the hazards caused by the failure of a safety control system and excludes hazards arising from the equipment itself (for example, electric shock, fire, etc.). Other controls that are not safety control systems (SCS), that do not mitigate a hazard or perform a control function and where the operator would be aware of a failure, are excluded from this standard (e.g. windscreen wipers, head lights, cab light, etc.). NOTE 3 A list of safety control systems is included in Annex D. NOTE 4 Audible warnings are excluded from the requirements of diagnostic coverage.

Keel: en
Alusdokumendid: ISO 19014-1:2018; EN ISO 19014-1:2018

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 12130:2018

Feather and down - Test methods - Determination of the fill power (massic volume)

This European Standard specifies one procedure for determining the fill power (massic volume). This method is applicable to processed plumage fit for or constituting filled manufactured articles (e.g. anoraks, quilts, etc.).

Keel: en
Alusdokumendid: EN 12130:2018
Asendab dokumenti: EVS-EN 12130:2000

EVS-EN 13088:2018

Manufactured articles filled with feather and down - Method for the determination of a filled product's total mass and for the determination of the mass of the filling

This European Standard specifies a method for determining the total mass of a product solely filled with feather and/or down and the mass of the filling material.

Keel: en
Alusdokumendid: EN 13088:2018
Asendab dokumenti: EVS-EN 13088:2001

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 3961:2018

Animal and vegetable fats and oils - Determination of iodine value (ISO 3961:2018)

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 3961:2018; EN ISO 3961:2018
Asendab dokumenti: EVS-EN ISO 3961:2013

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15293:2018

Automotive fuels - Automotive ethanol (E85) fuel - Requirements and test methods

This document specifies requirements and test methods for marketed and delivered automotive ethanol (E85) fuel. It is applicable to automotive ethanol (E85) fuel for use in spark ignition engine vehicles designed to run on automotive ethanol (E85) fuel. Automotive ethanol (E85) fuel is a mixture of nominally 85 % (V/V) ethanol and unleaded petrol, but also including the possibility of having different “seasonal grades” containing more than 50 % (V/V) ethanol. NOTE 1 For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent respectively the mass fraction and the volume fraction. NOTE 2 For this European Standard, A-deviations apply (see Annex C).

Keel: en
Alusdokumendid: EN 15293:2018
Asendab dokumenti: CEN/TS 15293:2011

77 METALLURGIA

EVS-EN 1563:2018

Metallivalu. Keragrafiitmalm
Founding - Spheroidal graphite cast irons

This European Standard defines the grades and the corresponding requirements for spheroidal graphite cast irons. This European Standard specifies 2 groups of spheroidal graphite cast iron grades by a classification based on mechanical properties measured on machined test pieces prepared from cast samples. The first group deals mainly with ferritic to pearlitic grades. The second group deals with solid-solution strengthened ferritic grades. This European Standard does not cover technical delivery conditions for iron castings (see EN 1559 1 [3] and EN 1559 3 [4]). This European Standard does not cover: - ausferritic spheroidal graphite cast irons which are specified in EN 1564 [7]; - low alloyed ferritic spheroidal graphite cast irons which are specified in EN 16124 [8]; - continuous cast iron bars which are specified in EN 16482 [7]; - austenitic cast irons which are specified in EN 13835 [8]; - spheroidal graphite cast irons used for pipes, fittings and their joints which are the subject of EN 545 [11], EN 598 [12] and EN 969 [13]; - the grades of spheroidal graphite cast irons as specified in EN 545 which are used for products such as industrial valves, non-industrial manually operated shut-off valves and flanges and their joints, which are the subject of the applicable European product standards.

Keel: en
Alusdokumendid: EN 1563:2018
Asendab dokumenti: EVS-EN 1563:2011

EVS-EN IEC 61788-24:2018

Superconductivity - Part 24: Critical current measurement - Retained critical current after double bending at room temperature of Ag-sheathed Bi-2223 superconducting wires

IEC 61788-24:2018 describes a test method for determining the retained critical current after double bending at room temperature of short and straight Ag- and/or Ag alloy-sheathed Bi-2223 superconducting wires that have the shape of a flat or square tape containing mono- or multicores of oxides. The wires can be laminated with copper alloy, stainless steel or Ni alloy tapes. The test method is intended for use with superconductors that have a critical current less than 300 A and an n-value larger than 5.

Keel: en
Alusdokumendid: IEC 61788-24:2018; EN IEC 61788-24:2018

79 PUIDUTEHNOLOOGIA

CEN/TS 16818:2018

Durability of wood and wood-based products - Moisture dynamics of wood and wood-based products

This document details a method for determining the water uptake and the effectiveness of the drying process on solid wood, wood-based materials or coated wood by means of water absorption and water vapour desorption. This document lays down a

method to assess the moisture dynamics of wooden products which can be a contributing factor to the susceptibility to wood decay.

Keel: en
Alusdokumendid: CEN/TS 16818:2018

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 1096-4:2018

Ehitusklaas. Pinnatud klaas. Osa 4: Tootestandard
Glass in building - Coated glass - Part 4: Product standard

This European Standard covers the evaluation of conformity and the factory production control of coated glass for use in buildings. NOTE For glass products with electrical wiring or connections for, e.g. alarm or heating purposes, other directives, e.g. Low Voltage Directive, may apply.

Keel: en
Alusdokumendid: EN 1096-4:2018
Asendab dokumenti: EVS-EN 1096-4:2004

EVS-EN 1279-5:2018

Ehitusklaas. Klaaspaketid. Osa 5: Tootestandard
Glass in building - Insulating glass units - Part 5: Product standard

See dokument sisaldab hoonetes kasutatavate klaaspakettide (KP) tootestandardit. MÄRKUS 1 Tooteid, mis on ette nähtud kasutamiseks ainult esteetilistel eesmärkidel ja millele seetõttu olulised nõuded ei rakendu, ei märgistata CE-märgisega ning need ei kuulu selle Euroopa standardi käsitlusalasse. MÄRKUS 2 Elektrijuhtmeid või kontakte (nt alarm- või kütteseadmetele) sisaldavatele klaastoodetele võivad rakenduda teised direktiivid, nt madalpingedirektiiv.

Keel: en, et
Alusdokumendid: EN 1279-5:2018
Asendab dokumenti: EVS-EN 1279-5:2006+A2:2010

EVS-EN 1279-6:2018

Ehitusklaas. Klaaspaketid. Osa 6: Tehase tootmisohje ja perioodilised katsetused
Glass in building - Insulating glass units - Part 6: Factory production control and periodic tests

See dokument kirjeldab rutiinset tehase tootmisohjet, perioodilist katsetamist ja järelevalvet ning katsemeetodeid, millega kontrollitakse klaaspakettide (KP) vastavust süsteemikirjeldusele.

Keel: en, et
Alusdokumendid: EN 1279-6:2018
Asendab dokumenti: EVS-EN 1279-6:2002

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 12058-1:2018

Plastics - Determination of viscosity using a falling-ball viscometer - Part 1: Inclined-tube method (ISO 12058-1:2018)

This document specifies the general principles of a method, using an inclined- tube falling- ball viscometer, for determining the viscosity of polymers and resins in the liquid emulsified or dispersed state. It is intended for application to liquids over a viscosity measurement range of 0,6 mPa·s to 250 000 mPa·s (temperature range −20 °C to +120 °C) for which the shear stress and shear rate are proportional, i.e. the viscosity is independent of the shear rate. This ideal behaviour is commonly known as Newtonian behaviour. If a liquid differs significantly from this behaviour, different results can be obtained with the different balls of a falling- ball viscometer or from viscometers with different geometries, such as capillary and rotational viscometers.

Keel: en
Alusdokumendid: ISO 12058-1:2018; EN ISO 12058-1:2018
Asendab dokumenti: EVS-EN ISO 12058-1:2003
Asendab dokumenti: EVS-EN ISO 12058-1:2003/AC:2013

EVS-EN ISO 14855-2:2018

Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions - Method by analysis of evolved carbon dioxide - Part 2: Gravimetric measurement of carbon dioxide evolved in a laboratory-scale test (ISO 14855-2:2018)

This document specifies a method for determining the ultimate aerobic biodegradability of plastic materials under controlled composting conditions by gravimetric measurement of the amount of carbon dioxide evolved. The method is designed to yield an optimum rate of biodegradation by adjusting the humidity, aeration and temperature of the composting vessel. The method applies to the following materials: — natural and/or synthetic polymers and copolymers, and mixtures of these; — plastic materials that contain additives such as plasticizers or colorants; — water-soluble polymers; — materials that, under the test conditions, do not inhibit the activity of microorganisms present in the inoculum. If the test material inhibits microorganisms in the inoculum, another type of mature compost or pre-exposure compost can be used.

Keel: en
Alusdokumendid: ISO 14855-2:2018; EN ISO 14855-2:2018
Asendab dokumenti: EVS-EN ISO 14855-2:2009

EVS-EN ISO 1856:2018

Flexible cellular polymeric materials - Determination of compression set (ISO 1856:2018)

This document specifies three methods for determining the compression set of flexible cellular materials. This document applies to latex and polyurethane foams of thickness greater than 2 mm.

Keel: en
Alusdokumendid: EN ISO 1856:2018; ISO 1856:2018
Asendab dokumenti: EVS-EN ISO 1856:2001
Asendab dokumenti: EVS-EN ISO 1856:2001/A1:2007

EVS-EN ISO 8067:2018

Flexible cellular polymeric materials - Determination of tear strength (ISO 8067:2018)

This document specifies two methods for the determination of the tear strength of flexible cellular polymeric materials: — method A, using a trouser test piece; — method B, using an angle test piece without a nick.

Keel: en
Alusdokumendid: ISO 8067:2018; EN ISO 8067:2018
Asendab dokumenti: EVS-EN ISO 8067:2009

EVS-EN ISO 8307:2018

Flexible cellular polymeric materials - Determination of resilience by ball rebound (ISO 8307:2018)

This document specifies a method for determining the resilience by ball rebound of flexible cellular polymeric materials.

Keel: en
Alusdokumendid: ISO 8307:2018; EN ISO 8307:2018
Asendab dokumenti: EVS-EN ISO 8307:2008

91 EHITUSMATERJALID JA EHITUS

EVS-EN 1090-4:2018

Teras- ja alumiiniumkonstruktsioonide valmistamine. Osa 4: Tehnilised nõuded õhukesest külmvaltsplekist külmvormitud katuste, lagede, põrandate ja seinte teraselementidele
Execution of steel structures and aluminium structures - Part 4: Technical requirements for cold-formed structural steel elements and cold-formed structures for roof, ceiling, floor and wall applications

See Euroopa standard spetsifitseerib nõuded katuste, lagede, põrandate, seinte ja fassaadide külmvormitud teraskonstruktsioonide ja katteprofiilide ehitamiseks, sealhulgas tootmiseks ja paigaldamiseks. See Euroopa standard kehtib standardi EN 1993 sarja järgi projekteeritud konstruktsioonidele. See Euroopa standard kehtib standardi EN 1993-1-3 järgi projekteeritud konstruktsioonide osadele ja katteprofiilidele. Seda Euroopa standardit võib kasutada ka muude projekteerimisnõuete järgi projekteeritud konstruktsioonide puhul, eeldusel et ehitustingimused vastavad neile ja kõik vajalikud lisanõuded on spetsifitseeritud. See Euroopa standard spetsifitseerib ka nõuded valdavalt staatilise koormuse või seismilise koormuse tingimustes töötavate külmvormitud katuse-, lae-, põranda- ja seinaprofiilidest konstruktsioonide ehitamiseks, sealhulgas valmistamiseks ja paigaldamiseks ning nende dokumentatsioonile. See Euroopa standard käsitleb konstruktsiooniklasside I ja II nõudeid profiilplekile vastavalt standardile EN 1993-1-3, mida kasutatakse ehituskonstruktsioonides. See Euroopa standard käsitleb konstruktsiooniosade nõudeid vastavalt standardile EN 1993-1-3 kõikide konstruktsiooniklasside osas. Profiilpleki all mõistetakse siin: — Trapetsi, sinusoidse kujuga profileeritud plekk või kassettprofiil (joonis 1), või Konstruktsioonielementide all mõistetakse siin: — Konstruktsioonielemendid (pikiprofileeritud metallprofiilid), mis toodetakse külmvormimise teel (joonis 2). See Euroopa standard katab ka: — Mittekeevitatud liitprofiilid (joonis 2b ja 2c); — Külmvormitud õõnesprofiilid, kaasa arvatud keevitatud pikiõmblusega, mis ei ole kaetud standardiga EN 10219-1; — Perforeeritud, läbistatud ja mikroprofileeritud profiilplekid ja konstruktsioonielemendid. MÄRKUS 1 Keevitatud liitprofiilid ei ole selle standardiga kaetud, ehitusnõuded on antud standardis EN 1090-2. See Euroopa standard käsitleb ka vahekonstruktsioone välimise ja sisemise või alumise ja ülemise katuse, seina ja lae vahel, mis on tehtud külmvormitud profiilplekist ja eelpool nimetatud elementide ühendusi ja liiteid, kui kõik nimetatud elemendid toimivad koormuse ülekandmisel. See Euroopa standard käsitleb nõudeid komposiitpõrandate terasprofiilidele, sealhulgas ka paigalduse käigus ja betooni valamise staadiumis. See standard ei ole käsitle mitmekihilisi konstruktsioonielemente, kus erinevate materjalide koostoime moodustab tervikliku ehituselemendi nagu näiteks sändvitš-paneelid ja komposiitpõrandad. See Euroopa standard ei käsitle soojusisolatsiooni, niiskuskaitse, müratõkke ja tulekaitse jaoks vajalikke analüüse, projekteerimist ega ehitamisnõudeid. See Euroopa standard ei käsitle nõudeid katuste ja seinte katmiseks traditsioonilisel plekksepameetodil. Selle standardi lisa B käsitleb klausleid, mis ei ole veel lisatud standardisse EN 1993-1-3. Selle lisa juhised võib tulevikus täielikult või osaliselt asendada standardisse EN 1993 lisatavate juhistega. See Euroopa standard ei käsitle täpseid nõudeid profiilplekkide laotise veetihedusele ega õhu läbilaskvusele ja soojusjuhtivusele. MÄRKUS 2 Selles standardis käsitletud konstruktsioonid on näiteks: — Ühe- või mitmekihilised katused, kusjuures kandev profiil (alumine kiht) või tegelik katusekate (ülemine kiht) või mõlemad on tehtud külmvormitud konstruktsioonielementidest ja profiilplekist; — Ühe- või mitmekihilised seinad, kusjuures kandev profiil (sisemine kiht), tegelik fassaadikate (välimine kiht) või mõlemad on tehtud külmvormitud konstruktsioonielementidest ja profiilplekist, või — Külmvormitud konstruktsioonielementidest kandesõrestikud. MÄRKUS 3 Konstruktsioonid võivad koosneda konstruktsioonielementide koostust ja profiilplekist laotisest, mis on valmistatud terasest vastavalt standardile EN 1090-4 ja alumiiniumist vastavalt standardile EN 1090-5.

Keel: en, et
Alusdokumendid: EN 1090-4:2018

EVS-EN 12519:2018

Aknad ja uksed. Terminoloogia
Windows and pedestrian doors - Terminology

See Euroopa standard esitab akende ja käiguuste üldise terminoloogia. Erinevaid termineid on illustreeritud joonistega. EE MÄRKUS Erinevates Euroopa riikides on pideva ja pikaajalise aknatööstuse arengu tulemusena sõltuvalt kasutatavast tehnoloogiast välja kujunenud oma aknaid käsitlev terminoloogia. Eestis on kasutatud erinevaid tehnoloogiaid ja seetõttu kasutatakse ka erinevat terminoloogiat. Selles standardis on toodud kaks paralleelset võimalust, nn saksa-süsteemi aknad ja taani-süsteemi aknad (päritolumaa järgi). Taani-süsteemi akende terminoloogia on esitatud rasvases kaldkirjas. Kui terminid ühtivad (võivad ühtida), on toodud ainult üks termin.

Keel: en
Alusdokumendid: EN 12519:2018
Asendab dokumenti: EVS-EN 12519:2006

EVS-EN 13126-6:2018

Building hardware - Hardware for windows and door height windows - Requirements and test methods - Part 6: Variable geometry stay hinges (with or without a friction stay)

This part of EN 13126 specifies requirements and test methods for durability, strength, security and function of mechanically operated variable/parallel geometry stay hinges (with or without a friction system) whether fitted, with integral restrictors or not, in accordance with common application as shown in informative Annex D. By means of this standard, the user of recognized tested hardware can assume that with correct usage, the variable/parallel geometry stay hinges (with or without a friction system) for windows conform to prescribed requirements. NOTE 1 Balancing stay arms/hinges do not represent a friction system. NOTE 2 For the purposes of this standard, the friction system is achieved by friction pads or similar.

Keel: en
Alusdokumendid: EN 13126-6:2018
Asendab dokumenti: EVS-EN 13126-6:2008

EVS-EN 13203-6:2018

Gaasküttega veekuumutusseadmed kodumajapidamises. Osa 6: Absorptsiooni ja absorptsioon-soojuspumpade energiatarbimise hindamine
Gas-fired domestic appliances producing hot water - Part 6: Assessment of energy consumption of adsorption and absorption heat pumps

This European Standard is applicable to gas-fired appliances producing domestic hot water. It applies to sorption heat pumps connected to or including a domestic hot water storage tank. It applies to a package marketed as single unit or fully specified that have: - a heat input not exceeding 400 kW; and - a hot water storage tank capacity (if any) not exceeding 2000 l. In the case of combination boilers, with or without storage tank, domestic hot water production is integrated or coupled, the whole being marketed as a single unit. EN 13203 1 sets out in qualitative and quantitative terms the performance in delivery of domestic hot water for a selected variety of uses. It also gives a system for presenting the information to the user. The present document sets out a method for assessing the energy performance of the appliances. It defines a number of daily load profiles for each domestic hot water use, kitchen, shower, bath and a combination of these, together with corresponding test procedures, enabling the energy performances of different gas-fired appliances to be compared and matched to the needs of the user. Where other technologies are combined with a gas-fired boiler or a water heater to produce domestic hot water, specific parts of EN 13203 apply. Horizontal ground heat sources are not covered by the scope of the present European Standard.

Keel: en
Alusdokumendid: EN 13203-6:2018

EVS-EN ISO 1716:2018

Toodete tuletundlikkuse katsed. Ülemise põlemissoojuse määramine (küttevääртus)
Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (ISO 1716:2018)

See dokument määratleb meetodi materjalide ülemise küttevääртuse (QPCS) määramiseks pommkalorimeetris konstantse ruumala juures. Antud meetod rakendub tahketele materjalidele. MÄRKUS Vedelike katsetamiseks võib kasutada sarnast meetodit, mille katsetingimused on kirjeldatud dokumentides ASTM D240 [1] ja IEC 61039 [2], kasutades katseks ISO 1928 [3] aparatuuri. Juhul kui on nõutud, määratleb tarbimisaine küttevääртuse arvutamist (QPCI) lisa A. Informatsioon katsemeetodi täpsuse kohta on antud lisas B.

Keel: en, et
Alusdokumendid: ISO 1716:2018; EN ISO 1716:2018
Asendab dokumenti: EVS-EN ISO 1716:2010

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 60335-2-109:2010/A1:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-109: Erinõuded ultraviolettkiiritus-veekäsitlusseadmetele

Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances

Muudatus standardile EN 60335-2-109:2010

Keel: en
Alusdokumendid: IEC 60335-2-109:2010/A1:2013; EN 60335-2-109:2010/A1:2018
Muudab dokumenti: EVS-EN 60335-2-109:2010

EVS-EN 60335-2-109:2010/A2:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-109: Erinõuded ultraviolettkiiritus-veekäsitlusseadmetele
Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances

Muudatus standardile EN 60335-2-109:2010

Keel: en
Alusdokumendid: IEC 60335-2-109:2010/A2:2016; EN 60335-2-109:2010/A2:2018
Muudab dokumenti: EVS-EN 60335-2-109:2010

EVS-EN 60335-2-16:2003/A11:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-16: Erinõuded toidujäätmete konteineritele
Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers

Deals with the safety of electric food waste disposers for household and similar purposes, their rated voltage being not more than 250 V. This standard does not apply to portable food waste disposers; food waste disposers of the incinerator type; appliances intended exclusively for industrial or commercial purposes; appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapor or gas).

Keel: en
Alusdokumendid: EN 60335-2-16:2003/A11:2018
Muudab dokumenti: EVS-EN 60335-2-16:2003

EVS-EN 60335-2-4:2010/A11:2018

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-4: Erinõuded tsentrifuugidele
Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

Muudatus standardile EN 60335-2-4:2010

Keel: en
Alusdokumendid: EN 60335-2-4:2010/A11:2018
Muudab dokumenti: EVS-EN 60335-2-4:2010

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 12519:2006
Aknad ja uksed. Terminoloogia
Windows and pedestrian doors - Terminology

Keel: en, et
Alusdokumendid: EN 12519:2004
Asendatud järgmise dokumendiga: EVS-EN 12519:2018
Standardi staatus: Kehtetu

07 LOODUS- JA RAKENDUSTEADUSED

EVS-ISO 18593:2010
Toidu ja loomasöötade mikrobioloogia. Pindadelt kontaktplaatide ja tampoonidega proovivõtu horisontaalmeetodid. (ISO 18593:2004)
Microbiology of food and animal feeding stuffs - Horizontal methods for sampling techniques from surfaces using contact plates and swabs (ISO 18593:2004)

Keel: en, et
Alusdokumendid: ISO 18593:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 18593:2018
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 16675:2014
Characterisation of waste - Test methods for the determination of the monolithic status of waste

Keel: en
Alusdokumendid: CEN/TS 16675:2014
Asendatud järgmise dokumendiga: CEN/TS 16675:2018
Standardi staatus: Kehtetu

EVS-EN 14458:2004
Isiklikud silmakaitsevahendid - Tuletõrjujate, kiirabi- ja päästetöötajate kiivritel kasutamiseks mõeldud näokaitsed ja -varjud
Personal eye-equipment - Faceshields and visors for use with firefighters' and high performance industrial safety helmets used by firefighters, ambulance and emergency services

Keel: en
Alusdokumendid: EN 14458:2004
Asendatud järgmise dokumendiga: EVS-EN 14458:2018
Standardi staatus: Kehtetu

EVS-EN 16167:2012
Sludge, treated biowaste and soil - Determination of polychlorinated biphenyls (PCB) by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD)

Keel: en
Alusdokumendid: EN 16167:2012
Asendatud järgmise dokumendiga: EVS-EN 16167:2018
Standardi staatus: Kehtetu

EVS-EN 60900:2012
Live working - Hand tools for use up to 1000 V a.c. and 1500 V d.c.

Keel: en
Alusdokumendid: IEC 60900:2012; EN 60900:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60900:2018
Standardi staatus: Kehtetu

EVS-EN ISO 1716:2010
Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)

Keel: en
Alusdokumendid: ISO 1716:2010; EN ISO 1716:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 1716:2018
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 60375:2005
Conventions concerning electric and magnetic circuits

Keel: en
Alusdokumendid: IEC 60375:2003; EN 60375:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60375:2018
Standardi staatus: Kehtetu

EVS-EN 61265:2002
Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure one-third-octave band sound pressure levels in noise certification of transport-category aeroplanes

Keel: en
Alusdokumendid: IEC 61265:1995; EN 61265:1995
Asendatud järgmise dokumendiga: EVS-EN IEC 61265:2018
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

CEN ISO/TR 20173:2009
Welding - Grouping systems for materials - American materials

Keel: en
Alusdokumendid: ISO/TR 20173:2009; CEN ISO/TR 20173:2009
Asendatud järgmise dokumendiga: CEN ISO/TR 20173:2018
Standardi staatus: Kehtetu

EVS-EN ISO 10042:2006
Keevitus. Alumiiniumi ja selle sulamite kaarkeevitatud liited. Kvaliteeditasemed keevitusdefektide järgi
Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections

Keel: en, et
Alusdokumendid: ISO 10042:2005; EN ISO 10042:2005+AC:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 10042:2018
Parandatud järgmise dokumendiga: EVS-EN ISO 10042:2006/AC:2013
Standardi staatus: Kehtetu

EVS-EN ISO 15612:2004
Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Kvalifitseerimine standardse keevitusprotseduuri ülevõtmisega
Specification and qualification of welding procedures for metallic materials - Qualification by adoption of a standard welding procedure

Keel: en, et
Alusdokumendid: ISO 15612:2004; EN ISO 15612:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 15612:2018
Standardi staatus: Kehtetu

EVS-EN ISO 15626:2013
Non-destructive testing of welds - Time-of-flight diffraction technique (TOFD) - Acceptance levels (ISO 15626:2011)

Keel: en
Alusdokumendid: ISO 15626:2011; EN ISO 15626:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 15626:2018
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 50548:2011
Junction boxes for photovoltaic modules

Keel: en
Alusdokumendid: EN 50548:2011
Muudetud järgmise dokumendiga: EVS-EN 50548:2011/A1:2013
Muudetud järgmise dokumendiga: EVS-EN 50548:2011/A2:2014
Standardi staatus: Kehtetu

EVS-EN 50548:2011/A1:2013
Junction boxes for photovoltaic modules

Keel: en
Alusdokumendid: EN 50548:2011/A1:2013
Standardi staatus: Kehtetu

EVS-EN 50548:2011/A2:2014
Junction boxes for photovoltaic modules

Keel: en
Alusdokumendid: EN 50548:2011/A2:2014
Standardi staatus: Kehtetu

EVS-EN 62282-5-1:2012
Kütuseelementide kasutamistehnika. Osa 5-1: Kantavad kütuseelement-energiaallikad. Ohutus
Fuel cell technologies - Part 5-1: Portable fuel cell power systems - Safety (IEC 62282-5-1:2012)

Keel: en
Alusdokumendid: IEC 62282-5-1:2012; EN 62282-5-1:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62282-5-100:2018
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50521:2009
Connectors for photovoltaic systems - Safety requirements and tests

Keel: en
Alusdokumendid: EN 50521:2008
Muudetud järgmise dokumendiga: EVS-EN 50521:2009/A1:2012
Standardi staatus: Kehtetu

EVS-EN 50521:2009/A1:2012
Connectors for photovoltaic systems - Safety requirements and tests

Keel: en
Alusdokumendid: EN 50521:2008/A1:2012
Standardi staatus: Kehtetu

EVS-EN 60034-4:2008
Pöörlevad elektrimasinad. Osa 4: Sünkroonmasinate tunnussuuruste katselise määramise meetodid
Rotating electrical machines - Part 4: Methods for determining synchronous machine quantities from tests

Keel: en
Alusdokumendid: IEC 60034-4:2008; EN 60034-4:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60034-4-1:2018
Standardi staatus: Kehtetu

EVS-EN 60376:2005
Specification of technical grade sulfur hexafluoride (SF6) for use in electrical equipment

Keel: en
Alusdokumendid: IEC 60376:2005; EN 60376:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60376:2018
Standardi staatus: Kehtetu

EVS-EN 60900:2012
Live working - Hand tools for use up to 1000 V a.c. and 1500 V d.c.

Keel: en
Alusdokumendid: IEC 60900:2012; EN 60900:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60900:2018
Standardi staatus: Kehtetu

EVS-EN 62271-102:2003
High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches

Keel: en
Alusdokumendid: IEC 62271-102:2001; EN 62271-102:2002+AC:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-102:2018
Muudetud järgmise dokumendiga: EVS-EN 62271-102:2003/A1:2011
Muudetud järgmise dokumendiga: EVS-EN 62271-102:2003/A2:2013
Parandatud järgmise dokumendiga: EVS-EN 62271-102:2003/AC:2015
Standardi staatus: Kehtetu

EVS-EN 62271-102:2003/A1:2011
High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches

Keel: en
Alusdokumendid: IEC 62271-102:2001/A1:2011; EN 62271-102:2002/A1:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-102:2018
Standardi staatus: Kehtetu

EVS-EN 62271-102:2003/A2:2013
High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2001/A2:2013)

Keel: en
Alusdokumendid: IEC 62271-102:2001/A2:2013; EN 62271-102:2002/A2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-102:2018
Standardi staatus: Kehtetu

EVS-EN 62271-102:2003/AC:2015
High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches

Keel: en
Alusdokumendid: EN 62271-102:2002/AC:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-102:2018
Standardi staatus: Kehtetu

EVS-EN 62442-3:2014
Energy performance of lamp controlgear - Part 3: Controlgear for halogen lamps and LED modules - Method of measurement to determine the efficiency of the controlgear

Keel: en
Alusdokumendid: IEC 62442-3:2014; EN 62442-3:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62442-3:2018
Muudetud järgmise dokumendiga: EVS-EN 62442-3:2014/A11:2017
Standardi staatus: Kehtetu

EVS-EN 62442-3:2014/A11:2017
Energy performance of lamp controlgear - Part 3: Controlgear for halogen lamps and LED modules - Method of measurement to determine the efficiency of the controlgear

Keel: en
Alusdokumendid: EN 62442-3:2014/A11:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62442-3:2018
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 60384-26:2010
Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte

Keel: en
Alusdokumendid: IEC 60384-26:2010; EN 60384-26:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60384-26:2018
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 60794-4:2004
Optical fibre cables - Part 4: Sectional specification - Aerial optical cables along electrical power lines

Keel: en
Alusdokumendid: IEC 60794-4:2003; EN 60794-4:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-4:2018
Standardi staatus: Kehtetu

EVS-EN 62325-451-6:2016
Framework for energy market communications - Part 451-6: Publication of information on market, contextual and assembly models for European style market

Keel: en
Alusdokumendid: IEC 62325-451-6:2016; EN 62325-451-6:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 62325-451-6:2018
Standardi staatus: Kehtetu

EVS-EN 62680-1-3:2017
Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector Specification

Keel: en
Alusdokumendid: IEC 62680-1-3:2017; EN 62680-1-3:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-3:2018
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CLC/TR 50600-99-1:2017
Information technology - Data centre facilities and infrastructures - Part 99-1: Recommended practices for energy management

Keel: en
Alusdokumendid: CLC/TR 50600-99-1:2017
Asendatud järgmise dokumendiga: CLC/TR 50600-99-1:2018
Standardi staatus: Kehtetu

EVS-EN 62680-1-3:2017
Universal serial bus interfaces for data and power - Part 1-3: Common components - USB Type-CTM Cable and Connector Specification

Keel: en
Alusdokumendid: IEC 62680-1-3:2017; EN 62680-1-3:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-3:2018
Standardi staatus: Kehtetu

EVS-ISO/IEC 10373-3:2011/AC:2016
Identifitseerimiskaardid. Katsemeetodid. Osa 3: Kontaktidega kiipkaardid ja seotud liideseseadmed
Identification cards - Test methods - Part 3: Integrated circuit cards with contacts and related interface devices

Keel: en
Alusdokumendid: ISO/IEC 10373-3:2010/Cor 1:2013
Standardi staatus: Kehtetu

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 61162-450:2011
Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection

Keel: en
Alusdokumendid: IEC 61162-450:2011; EN 61162-450:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 61162-450:2018
Muudetud järgmise dokumendiga: EVS-EN 61162-450:2011/A1:2016
Standardi staatus: Kehtetu

EVS-EN 61162-450:2011/A1:2016

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 450: Multiple talkers and multiple listeners - Ethernet interconnection

Keel: en
Alusdokumendid: IEC 61162-450:2011/A1:2016; EN 61162-450:2011/A1:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 61162-450:2018
Standardi staatus: Kehtetu

EVS-EN 61162-460:2015

Maritime navigation and radiocommunication equipment and systems - Digital interfaces - Part 460: Multiple talkers and multiple listeners - Ethernet interconnection - Safety and security

Keel: en
Alusdokumendid: IEC 61162-460:2015; EN 61162-460:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61162-460:2018
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 12312-8:2005+A1:2009

Õhusõidukite maapealsed teenindusseadmed. Erinõuded. Osa 8: Hooldustrepid ja platvormid KONSOLIDEERITUD TEKST
Aircraft ground support equipment - Specific requirements - Part 8: Maintenance stairs and platforms CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12312-8:2005+A1:2009
Asendatud järgmise dokumendiga: EVS-EN 12312-8:2018
Standardi staatus: Kehtetu

EVS-EN 2084:2015

Aerospace series - Cables, electrical, general purpose, with conductors in copper or copper alloy - Technical specification

Keel: en
Alusdokumendid: EN 2084:2015
Asendatud järgmise dokumendiga: EVS-EN 2084:2018
Standardi staatus: Kehtetu

EVS-EN 2591-100:2005

Aerospace series - Elements of electrical and optical connection - Test methods - Part 100: General

Keel: en
Alusdokumendid: EN 2591-100:2005
Asendatud järgmise dokumendiga: EVS-EN 2591-100:2018
Standardi staatus: Kehtetu

EVS-EN 2591-318:2000

Lennunduse ja kosmonautika seeria. Elektriliste ja optiliste ühenduste elemendid. Katsemeetodid.Osa 318: Tulekindlus
Aerospace series - Elements of electrical and optical connection - Test methods - Part 318: Fire-resistance

Keel: en
Alusdokumendid: EN 2591-318:1998
Asendatud järgmise dokumendiga: EVS-EN 2591-318:2018
Standardi staatus: Kehtetu

EVS-EN 3375-001:2007

Aerospace series - Cable, electrical, for digital data transmission - Part 001: Technical specification

Keel: en

Alusdokumendid: EN 3375-001:2007
Asendatud järgmise dokumendiga: EVS-EN 3375-001:2018
Standardi staatus: Kehtetu

EVS-EN 3475-411:2014

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 411: Resistance to fluids

Keel: en
Alusdokumendid: EN 3475-411:2014
Asendatud järgmise dokumendiga: EVS-EN 3475-411:2018
Standardi staatus: Kehtetu

EVS-EN 3646-003:2006

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 003: Receptacle, square flange mounting - Product standard

Keel: en
Alusdokumendid: EN 3646-003:2006
Asendatud järgmise dokumendiga: EVS-EN 3646-003:2018
Standardi staatus: Kehtetu

EVS-EN 3646-006:2006

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Receptacle, hermetic, jam-nut mounting - Product standard

Keel: en
Alusdokumendid: EN 3646-006:2006
Asendatud järgmise dokumendiga: EVS-EN 3646-006:2018
Standardi staatus: Kehtetu

EVS-EN 4604-010:2017

Aerospace series - Cable, electrical, for signal transmission - Part 010 : Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) - Product standard

Keel: en
Alusdokumendid: EN 4604-010:2017
Asendatud järgmise dokumendiga: EVS-EN 4604-010:2018
Standardi staatus: Kehtetu

EVS-EN 4611-002:2012

Aerospace series - Cables, electrical, for general purpose, single and multicore assembly - XLETFE Family - Part 002: General

Keel: en
Alusdokumendid: EN 4611-002:2012
Asendatud järgmise dokumendiga: EVS-EN 4611-002:2018
Standardi staatus: Kehtetu

EVS-EN 61265:2002

Electroacoustics - Instruments for measurement of aircraft noise - Performance requirements for systems to measure one-third-octave band sound pressure levels in noise certification of transport-category aeroplanes

Keel: en
Alusdokumendid: IEC 61265:1995; EN 61265:1995
Asendatud järgmise dokumendiga: EVS-EN IEC 61265:2018
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 12130:2000

Suled ja udusuled. Katsemeetodid. Täitmisvõime (mahttihedus) määramine
Feather and down - Test methods - Determination of the filling power (massic volume)

Keel: en
Alusdokumendid: EN 12130:1998
Asendatud järgmise dokumendiga: EVS-EN 12130:2018
Standardi staatus: Kehtetu

EVS-EN 13088:2001
Manufactured articles filled with feather and down - Method for the determination of a filled product's total mass and of the mass of the filling

Keel: en
Alusdokumendid: EN 13088:2001
Asendatud järgmise dokumendiga: EVS-EN 13088:2018
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 3961:2013
Animal and vegetable fats and oils - Determination of iodine value (ISO 3961:2013)

Keel: en
Alusdokumendid: ISO 3961:2013; EN ISO 3961:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 3961:2018
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

CEN/TS 15293:2011
Mootorikütused. Etanool (E85). Nõuded ja katsemeetodid
Automotive fuels - Ethanol (E85) automotive fuel - Requirements and test methods

Keel: en, et
Alusdokumendid: CEN/TS 15293:2011
Asendatud järgmise dokumendiga: EVS-EN 15293:2018
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 1563:2011
Metallivalu. Keraja grafiidiga malmid
Founding - Spheroidal graphite cast irons

Keel: en
Alusdokumendid: EN 1563:2011
Asendatud järgmise dokumendiga: EVS-EN 1563:2018
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 1096-4:2004
Ehitusklaas. Pindkattega klaas. Osa 4: Vastavuse hindamine/Tootestandard
Glass in building - Coated glass - Part 4: Evaluation of conformity/Product standard

Keel: en
Alusdokumendid: EN 1096-4:2004
Asendatud järgmise dokumendiga: EVS-EN 1096-4:2018
Standardi staatus: Kehtetu

EVS-EN 1279-5:2006+A2:2010
Ehitusklaas. Klaaspaketid. Osa 5: Vastavushindamine KONSOLIDEERITUD TEKST
Glass in building - Insulating glass units - Part 5: Evaluation of conformity CONSOLIDATED TEXT

Keel: en, et
Alusdokumendid: EN 1279-5:2005+A2:2010
Asendatud järgmise dokumendiga: EVS-EN 1279-5:2018
Standardi staatus: Kehtetu

EVS-EN 1279-6:2002
Ehitusklaas. Klaaspaketid. Osa 6: Tehase tootmisohje ja perioodilised katsetused
Glass in building - Insulating glass units - Part 6: Factory production control and periodic tests

Keel: en, et
Alusdokumendid: EN 1279-6:2002
Asendatud järgmise dokumendiga: EVS-EN 1279-6:2018
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 12058-1:2003
Plastics - Determination of viscosity using a falling-ball viscometer - Part 1: Inclined-tube method

Keel: en
Alusdokumendid: ISO 12058-1:1997; EN ISO 12058-1:2002+AC:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 12058-1:2018
Parandatud järgmise dokumendiga: EVS-EN ISO 12058-1:2003/AC:2013
Standardi staatus: Kehtetu

EVS-EN ISO 14855-2:2009
Determination of the ultimate aerobic biodegradability of plasticmaterials under controlled composting conditions - Method byanalysis of evolved carbon dioxide - Part 2: Gravimetricmeasurement of carbon dioxide evolved in a laboratory-scaletest

Keel: en
Alusdokumendid: ISO 14855-2:2007+Cor 1:2009; EN ISO 14855-2:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 14855-2:2018
Standardi staatus: Kehtetu

EVS-EN ISO 1856:2001
Elastsed poorsed polümeersed materjalid - Survekahanemise määramine
Flexible cellular polymeric materials - Determination of compression set

Keel: en
Alusdokumendid: ISO 1856:2000; EN ISO 1856:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 1856:2018
Muudetud järgmise dokumendiga: EVS-EN ISO 1856:2001/A1:2007
Standardi staatus: Kehtetu

EVS-EN ISO 1856:2001/A1:2007
Elastsed poorsed polümeersed materjalid - Survekahanemise määramine
Flexible cellular polymeric materials - Determination of compression set - Amendment 1

Keel: en
Alusdokumendid: ISO 1856:2000/Amd 1:2007; EN ISO 1856:2000/A1:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 1856:2018
Standardi staatus: Kehtetu

EVS-EN ISO 8067:2009
Elastsed poorsed polümeermaterjalid. Katketugevuse määramine
Flexible cellular polymeric materials - Determination of tear strength

Keel: en
Alusdokumendid: ISO 8067:2008; EN ISO 8067:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 8067:2018
Standardi staatus: Kehtetu

EVS-EN ISO 8307:2008
Elastsed poorsed polümeermaterjalid. Elastsuse määramine
Flexible cellular polymeric materials - Determination of resilience by ball rebound

Keel: en
Alusdokumendid: ISO 8307:2007; EN ISO 8307:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 8307:2018
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12519:2006
Aknad ja uksed. Terminoloogia
Windows and pedestrian doors - Terminology

Keel: en, et
Alusdokumendid: EN 12519:2004
Asendatud järgmise dokumendiga: EVS-EN 12519:2018
Standardi staatus: Kehtetu

EVS-EN 13126-6:2008

Building hardware - Requirements and test methods for windows and doors height windows - Part 6: Variable geometry stay hinges (with or without a friction stay)

Keel: en
Alusdokumendid: EN 13126-6:2008
Asendatud järgmise dokumendiga: EVS-EN 13126-6:2018
Standardi staatus: Kehtetu

EVS-EN 14617-15:2005

Agglomerated stone - Test methods - Part 15: Determination of compressive strength

Keel: en
Alusdokumendid: EN 14617-15:2005
Standardi staatus: Kehtetu

EVS-EN ISO 1716:2010

Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value)

Keel: en
Alusdokumendid: ISO 1716:2010; EN ISO 1716:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 1716:2018
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 14837:2006

Surfaces for sports areas - Determination of slip resistance

Keel: en
Alusdokumendid: EN 14837:2006
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (reeglina 2 kuud) 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 Standardikeskuse 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 Standardikeskuse veebilehel avaldatavast standardimisprogrammist.

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 15898:2018
Conservation of cultural heritage - Main general terms and definitions

This European Standard defines the main general terms used in the field of conservation of cultural property with particular attention to those terms which have wide use or significance.

Keel: en
Alusdokumendid: prEN 15898:2018
Asendab dokumenti: EVS-EN 15898:2011

Arvamusküsitluse lõppkuupäev: 04.11.2018

11 TERVISEHOOLDUS

prEN ISO 8836
Suction catheters for use in the respiratory tract (ISO/DIS 8836:2018)

This International Standard specifies requirements for SUCTION CATHETERS, made of flexible materials and intended for use in suctioning of the respiratory tract. SUCTION CATHETERS intended for use with flammable anaesthetic gases or agents, lasers or electrosurgical equipment are not covered by this International Standard. NOTE See ISO/TR 11991 for guidance on airway management during laser surgery of the upper airway.

Keel: en
Alusdokumendid: ISO/DIS 8836; prEN ISO 8836
Asendab dokumenti: EVS-EN ISO 8836:2014

Arvamusküsitluse lõppkuupäev: 04.11.2018

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 17235
Permanent anchor devices and safety hooks

This document defines requirements for anchor devices and safety hooks permanently fixed to buildings and structures. Anchor devices intend to prevent persons from falling and arrest falls used in and on buildings and civil engineering works. Anchor devices meant to be secured in such a way that they are part of the construction work and intended to ensure the safety in use or in the functioning of a construction work pursuant to Regulation (EU) No 305/2011 of the European Parliament and of the Council. The anchor devices are intended for the attachment of personal fall protection systems complying with EN 363. The safety hooks are intended as anchor points to which personal fall protection systems complying with EN 363 are attached. The safety hooks are also intended to attach mobile roof ladders or work platforms. This document also covers the fixings used to secure the anchor devices or safety hooks into the load bearing structure. It specifies essential dimensions, materials and load-bearing requirements. This document contains requirements for the following systems: - single anchor point system; - safety hook system; - wire anchor line system; - rail anchor line system. The systems described in this document consist usually of several components. They must be evaluated as a system in its entirety. This document also includes requirements for the durability, marking, installation, assembly, documentation, operating and maintenance. This document is not applicable to: - temporary anchor devices according to EN 795; - facilities for roof access according to EN 516; - permanently fixed ladders on roofs according to EN 12951.

Keel: en

Alusdokumendid: prEN 17235

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 45555

General methods for assessing the recyclability and recoverability of energy related products

This European standard (EN) provides a general methodology for: - Assessing the recyclability of energy related products - Assessing the recoverability of energy related products - Assessing the ability to access or remove certain components or assemblies from energy related products to facilitate their potential for recycling or other recovery operations. - Assessing the recyclability of critical raw materials from energy related products. This EN will elaborate on recyclability and recoverability in a horizontal, cross-product way. However, a correct assessment can only be done in a product-specific way, taking into account specific parameters of a specific product group. This standard will define a series of parameters which may be considered to calculate product specific recycling and recoverability rates.

Keel: en
Alusdokumendid: prEN 45555

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 45556

General method for assessing the proportion of re-used components in energy-related products

This document deals with the assessment of the proportion of re-used components in energy-related products on a generic level. All energy-related products are in the scope of this standard.

Keel: en
Alusdokumendid: prEN 45556

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 16122-5

Agricultural and forestry machines - Inspection of sprayers in use - Part 5: Aerial spray systems - Environmental protection (ISO/DIS 16122-5:2018)

This International Standard specifies the requirements and test methods for their verification for inspection in use for aerial fixed wing and rotary aircraft spray systems for agriculture, horticulture forestry and human health, with respect to minimizing the risk of environmental. This part of ISO 16122 relates mainly to the condition of the equipment with respect to its potential risk for the environment and its performance to achieve good applications. NOTE: Requirements for the protection of inspectors during an inspection are given in ISO 16122-1.

Keel: en
Alusdokumendid: ISO/DIS 16122-5; prEN ISO 16122-5

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 22908

Water quality - Radium 226 and radium 228 - Test method using liquid scintillation counting (ISO/DIS 22908:2018)

This procedure specifies a method for the determination of 228Ra activity in drinking waters by radium extraction, purification and liquid scintillation counting.

Keel: en
Alusdokumendid: ISO/DIS 22908; prEN ISO 22908

Arvamusküsitluse lõppkuupäev: 04.11.2018

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN 17285

Railway applications - Acoustics - Measuring of door audible warnings

This European standard describes the type test assessment method for acoustic signals at passenger external doors applying to rolling stock. The following applies to this standard: - this standard refers to acoustical passenger information indicating the release, opening and closing of passenger doors; - this standard is applicable to tonal signals with defined frequency components; - this standard is not applicable to spoken information. NOTE 1 Acoustic door signals in terms of TSI compliance are defined in EN 16584-2 "Design for PRM use". NOTE 2 Acoustic doors signals in terms of door system function are described in EN 14752.

Keel: en
Alusdokumendid: prEN 17285

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 60704-2-16:2018

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-16: Particular requirements for washer-dryers

This clause of Part 1 is applicable except as follows: 1.1 Scope 1.1.1 General Addition: These particular requirements apply to single unit electric washer-dryers for household and similar use intended for placing on the floor against a wall, for building-in or placing under a counter, a kitchen worktop or under a sink, for wall-mounting or on a counter.

Keel: en
Alusdokumendid: IEC 60704-2-16:201X; prEN IEC 60704-2-16:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 22908
Water quality - Radium 226 and radium 228 - Test method using liquid scintillation counting (ISO/DIS 22908:2018)

This procedure specifies a method for the determination of 228Ra activity in drinking waters by radium extraction, purification and liquid scintillation counting.

Keel: en
Alusdokumendid: ISO/DIS 22908; prEN ISO 22908

Arvamusküsitluse lõppkuupäev: 04.11.2018

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN IEC 61400-27-1:2018
Wind energy generation systems - Part 27-1: Electrical simulation models - Generic models

IEC 61400-27-1 defines standard electrical simulation models for wind turbines and wind power plants. The specified models are time domain positive sequence simulation models, intended to be used in power system and grid stability analyses. The models are applicable for dynamic simulations of short term stability in power systems. IEC 61400-27-1 defines the generic terms and parameters for the electrical simulation models. IEC 61400-27-1 specifies electrical simulation models for the generic wind power plant topologies / configurations currently on the market. The wind power plant models include wind turbines, wind power plant control and auxiliary equipment. The wind power plant models are described in a modular way which can be applied for future wind power plant concepts and with different wind turbine concepts. IEC 61400-27-1 specifies electrical simulation models for the generic wind turbine topologies/ concepts / configurations currently on the market. The purpose of the models is to specify the electrical characteristics of a wind turbine at the wind turbine terminals. The wind turbine models are described in a modular way which can be applied for future wind turbine concepts. The specified wind turbine models can either be used in wind power plant models or to represent wind turbines without wind power plant relationships. The electrical simulation models specified in IEC 61400-27-1 are independent of any software simulation tool.

Keel: en
Alusdokumendid: IEC 61400-27-1:201X; prEN IEC 61400-27-1:2018
Asendab dokumenti: EVS-EN 61400-27-1:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 14624
Performance of portable leak detectors and of room monitors for halogenated refrigerants

This document specifies the requirements for portable locating leak detectors and fixed gas detectors for all refrigerants. Locating detectors used in factories for manufacturing processes are not included in the Scope of prEN 14624. 1.1 Product application: This document applies to different applications and environments such as plant and machine rooms, production rooms, cold rooms, supermarkets, occupied spaces like offices and hotels. 1.2 Product performance: This document specifies minimum requirements for sensitivity, operating range, response time, environmental conditions and cross sensitivity from interference gases. 1.3 Product installation: This document gives guidance of suitable technology, location of detection points, interconnection with secondary equipment (e.g. initiation of mechanical ventilation, personnel warning, equipment shutdown). 1.4 Service and maintenance: This document gives guidance for service and maintenance: Sensors and mechanical equipment have a limited operating life and require regular performance verification to ensure conformity.

Keel: en
Alusdokumendid: prEN 14624
Asendab dokumenti: EVS-EN 14624:2012

Arvamusküsitluse lõppkuupäev: 04.11.2018

25 TOOTMISTEHNOLOOGIA

EN ISO 15614-1:2017/prA1
Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys - Amendment 1 (ISO 15614-1:2017/DAM 1:2018)

Amendment for N ISO 15614-1:2017

Keel: en
Alusdokumendid: ISO 15614-1:2017/DAmd 1; EN ISO 15614-1:2017/prA1

Muudab dokumenti: EVS-EN ISO 15614-1:2017

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-10:2018
OPC Unified Architecture - Part 10: Programs

This specification is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Programs. This includes the description of the NodeClasses, standard Properties, Methods and Events and associated behaviour and information for Programs. The complete address space model including all NodeClasses and Attributes is specified in IEC 62541-3. The services such as those used to invoke the Methods used to manage Programs are specified in IEC 62541-4.

Keel: en
Alusdokumendid: IEC 62541-10:201X; prEN IEC 62541-10:2018
Asendab dokumenti: EVS-EN 62541-10:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-11:2018
OPC Unified Architecture - Part 11: Historical Access

This specification is part of the overall OPC Unified Architecture specification series and defines the information model associated with Historical Access (HA). It particularly includes additional and complementary descriptions of the NodeClasses and Attributes needed for Historical Access, additional standard Properties, and other information and behaviour. The complete AddressSpace model including all NodeClasses and Attributes is specified in IEC 62541-3. The predefined Information Model is defined in IEC 62541-5. The Services to detect and access historical data and events, and description of the ExtensibleParameter types are specified in IEC 62541-4. This specification includes functionality to compute and return Aggregates like minimum, maximum, average etc. The Information Model and the concrete working of Aggregates are defined in IEC 62541-13.

Keel: en
Alusdokumendid: IEC 62541-11:201X; prEN IEC 62541-11:2018
Asendab dokumenti: EVS-EN 62541-11:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-12:2018
Unified Architecture Specification - Part 12: Discovery

This part specifies how OPC Unified Architecture (OPC UA) Clients and Servers interact with DiscoveryServers when used in different scenarios. It specifies the requirements for the LocalDiscoveryServer, LocalDiscoveryServer-ME and GlobalDiscoveryServer. It also defines information models for Certificate management, KeyCredential management and Authorization Services.

Keel: en
Alusdokumendid: IEC 62541-12:201X; prEN IEC 62541-12:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-13:2018
OPC Unified Architecture - Part 13: Aggregates

This specification is part of the overall OPC Unified Architecture specification series and defines the information model associated with Aggregates.

Keel: en
Alusdokumendid: IEC 62541-13:201X; prEN IEC 62541-13:2018
Asendab dokumenti: EVS-EN 62541-13:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-14:2018
OPC Unified Architecture - Part 14: PubSub

This specification defines the OPC Unified Architecture (OPC UA) PubSub communication model. It defines an OPC UA publish subscribe pattern which complements the client server pattern defined by the Services in IEC 62541-4. See IEC TR 62541-1 for an overview of the two models and their distinct uses. PubSub allows distributing data and events from an OPC UA information source to interested observers inside a device network as well as in IT and analytics cloud systems. The specification consists of • a general introduction of the PubSub concepts, • a definition of the PubSub configuration parameters, • mapping of PubSub concepts and configuration parameters to messages and transport protocols, • and a PubSub configuration model. Not all OPC UA Applications will need to implement all defined message and transport protocol mappings. IEC 62541-7 defines the Profile that dictate which mappings need to be implemented in order to be compliant with a particular Profile.

Keel: en
Alusdokumendid: IEC 62541-14:201X; prEN IEC 62541-14:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-3:2018
OPC unified architecture - Part 3: Address Space Model

This specification describes the OPC Unified Architecture (OPC UA) AddressSpace and its Objects. This Part is the OPC UA meta model on which OPC UA information models are based.

Keel: en
Alusdokumendid: IEC 62541-3:201X; prEN IEC 62541-3:2018
Asendab dokumenti: EVS-EN 62541-3:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-4:2018
OPC Unified Architecture - Part 4: Services

This specification defines the OPC Unified Architecture (OPC UA) Services. The Services described are the collection of abstract Remote Procedure Calls (RPC) that are implemented by OPC UA Servers and called by OPC UA Clients. All interactions between OPC UA Clients and Servers occur via these Services. The defined Services are considered abstract because no particular RPC mechanism for implementation is defined in this part. IEC 62541-6 specifies one or more concrete mappings supported for implementation. For example, one mapping in IEC 62541-6 is to XML Web Services. In that case the Services described in this part appear as the Web service methods in the WSDL contract. Not all OPC UA Servers will need to implement all of the defined Services. IEC 62541-7 defines the Profiles that dictate which Services need to be implemented in order to be compliant with a particular Profile.

Keel: en
Alusdokumendid: IEC 62541-4:201X; prEN IEC 62541-4:2018
Asendab dokumenti: EVS-EN 62541-4:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-5:2018
OPC Unified Architecture - Part 5: Information Model

This specification defines the Information Model of the OPC Unified Architecture. The Information Model describes standardised Nodes of a Server's AddressSpace. These Nodes are standardised types as well as standardised instances used for diagnostics or as entry points to server-specific Nodes. Thus, the Information Model defines the AddressSpace of an empty OPC UA Server. However, it is not expected that all Servers will provide all of these Nodes.

Keel: en
Alusdokumendid: IEC 62541-5:201X; prEN IEC 62541-5:2018
Asendab dokumenti: EVS-EN 62541-5:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-6:2018
OPC unified architecture - Part 6: Mappings

This part specifies the OPC Unified Architecture (OPC UA) mapping between the security model described in IEC/TR 62541-2, the abstract service definitions, described in IEC 62541-4, the data structures defined in IEC 62541-5 and the physical network protocols that can be used to implement the OPC UA specification.

Keel: en
Alusdokumendid: IEC 62541-6:201X; prEN IEC 62541-6:2018
Asendab dokumenti: EVS-EN 62541-6:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-7:2018
OPC unified architecture - Part 7: Profiles

This document describes the OPC Unified Architecture (OPC UA) Profiles. The Profiles in this document are used to segregate features with regard to testing of OPC UA Products and the nature of the testing (tool based or lab based). This includes the testing performed by the OPC Foundation provided OPC UA CTT (a self-test tool) and by the OPC Foundation provided Independent Certification Test Labs. This could equally as well refer to test tools provided by another organization or a test lab provided by another organization. What is important is the concept of automated tool based testing versus lab based testing. The scope of this standard includes defining functionality that can only be tested in an a lab and defining the grouping of functionality that is to 403 be used when testing OPC UA products either in a lab or using automated tools. The definition of 404 actual TestCases is not within the scope of this document, but the general categories of TestCases 405 are within the scope of this document. Most OPC UA applications will conform to several, but not all of the Profiles.

Keel: en
Alusdokumendid: IEC 62541-7:201X; prEN IEC 62541-7:2018
Asendab dokumenti: EVS-EN 62541-7:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-8:2018
OPC Unified Architecture - Part 8: Data Access

This specification is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Data Access (DA). It particularly includes additional VariableTypes and complementary descriptions of the NodeClasses and Attributes needed for Data Access, additional Properties, and other information and behaviour. The complete

address space model, including all NodeClasses and Attributes is specified in IEC 62541-3. The services to detect and access data are specified in IEC 62541-4.

Keel: en
Alusdokumendid: IEC 62541-8:201X; prEN IEC 62541-8:2018
Asendab dokumenti: EVS-EN 62541-8:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-9:2018
OPC Unified Architecture - Part 9: Alarms and conditions

This standard specifies the representation of Alarms and Conditions in the OPC Unified Architecture. Included is the Information Model representation of Alarms and Conditions in the OPC UA address space.

Keel: en
Alusdokumendid: IEC 62541-9:201X; prEN IEC 62541-9:2018
Asendab dokumenti: EVS-EN 62541-9:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 16905-2
Gas-fired endothermic engine driven heat pumps - Part 2: Safety

1.1 Scope of prEN 16905 This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of air conditioners and heat pumps using either air, water or brine as heat transfer media, with gas-fired endothermic engine driven compressors when used for space heating, cooling and refrigeration, hereafter referred to as "GEHP appliance". This European Standard only applies to GEHP appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions. This standard only applies to GEHP appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437:2003+A1:2009. This standard only applies to GEHP appliances having: a) gas fired endothermic engines under the control of fully automatic control systems; b) closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated; c) where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 ºC during normal operation; d) where the maximum operating pressure in the 1) heating water circuit (if installed) does not exceed 6 bar 2) domestic hot water circuit (if installed) does not exceed 10 bar. This European Standard applies to GEHP appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery. The GEHP appliances having their condenser cooled by air and by the evaporation of external additional water are not covered by this European Standard. Packaged units, single split and multisplit systems are covered by this European Standard. Single duct and double duct units are covered by this European Standard. The above GEHP appliances can have one or more primary or secondary functions. This European Standard is applicable to GEHP appliances that are intended to be type tested. Requirements for GEHP appliances that are not type tested would need to be subject to further consideration. In the case of packaged units (consisting of several parts), the standard applies only to those designed and supplied as a complete package. NOTE All the symbols given in this text are used regardless of the language used. 1.2 Scope of prEN 16905-2 This part of prEN 16905 specifies the safety requirements, the safety test conditions and the safety test methods of gas-fired endothermic engine driven heat pumps for heating and/or cooling mode including the engine heat recovery.

Keel: en
Alusdokumendid: prEN 16905-2

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 61400-27-2:2018
Wind energy generation systems - Part 27-2: Electrical simulation models - Model validation

IEC 61400-27-2 specifies procedures for validation of electrical simulation models for wind turbines and wind power plants, intended to be used in power system and grid stability analyses. The validation procedures are based on the tests specified in IEC 61400-21. The validation procedures are applicable to the generic models specified in IEC 61400-27-1 and other fundamental frequency wind power plant models and wind turbine models. The validation procedures for wind turbine models focus on tests for response to voltage dips, voltage swells and reference point changes. Those validation procedures refer to the wind turbine terminals. The validation procedures for wind power plant models focus on tests for response to reference point changes as well as voltage dips and voltage swells. Those validation procedures refer to the point of connection of the wind power plant. The validation procedures specified in IEC 61400-27-2 are based on comparisons between test results and simulations, but they are independent of choice of software simulation tool.

Keel: en
Alusdokumendid: IEC 61400-27-2:201X; prEN IEC 61400-27-2:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

29 ELEKTROTEHNIKA

FprHD 60364-7-721:2017/FprAA:2018
Low voltage electrical installations - Part 7-721: Requirements for special installations or locations - Electrical installations in caravans and motor caravans

Common modification for FprHD 60364-7-721:2017

Keel: en
Alusdokumendid: FprHD 60364-7-721:2017/FprAA:2018
Muudab dokumenti: FprHD 60364-7-721:2016

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 45556
General method for assessing the proportion of re-used components in energy-related products

This document deals with the assessment of the proportion of re-used components in energy-related products on a generic level. All energy-related products are in the scope of this standard.

Keel: en
Alusdokumendid: prEN 45556

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 60095-6:2018
Lead-Acid Starter Batteries - Part 6: Batteries for Micro-Cycle Applications

This part of IEC 60095 is applicable to lead-acid batteries with a nominal voltage of 12 V, used primarily as power source for the starting of internal combustion engines (ICE), lighting and also for auxiliary equipment of ICE vehicles. These batteries are commonly called “starter batteries”. The batteries under scope of this standard are used for micro-cycle applications in vehicles which can also be called Start-Stop (or Stop-Start, idling-stop system, micro-hybrid or idle-stop-and-go) applications. In cars with this special capability, the internal combustion engine is switched off during a complete vehicle stop, during idling with low speed or during idling without the need of supporting the vehicle movement by the internal combustion engine. During the phases in which the engine is switched off, most of the electric and electronic components of the car need to be supplied by the battery without support of the alternator. In addition, in most cases an additional regenerative braking (recuperation or regeneration of braking energy) function is installed. The batteries under these applications are stressed in a completely different way compared to classical starter batteries. Aside of these additional properties, these batteries need to crank the ICE and support the lighting and also auxiliary functions in a standard operating mode with support of the alternator when the internal combustion engine is switched on. All batteries under this scope need to fulfil basic functions, which are tested under application IEC 60095-1. The object of this standard is to specify the general requirements and methods of test specific for the lead-acid Batteries used for Micro-Cycle Applications. This IEC Standard is applicable to batteries for the following purposes: • Lead-acid batteries of the dimensions according to 60095-2 for vehicles with the capability to automatically switch off the ICE during vehicle operation either in standstill or moving (“Start-Stop”); • Lead-acid batteries of the dimensions according to 60095-2 for vehicles with Start-Stop applications with the capability to recover braking energy or energy from other sources. The Li-ion technology is excluded of this Standard. NOTE - The applicability of this standard also for batteries according to 60095-4 is under consideration.

Keel: en
Alusdokumendid: IEC 60095-6:201X; prEN IEC 60095-6:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 60095-7:2018
Lead-acid starter batteries - Part 7: General requirements and methods of test for motorcycle batteries

This part of IEC 60095 is applicable to lead-acid batteries used primarily as a power source for the starting of internal combustion engines, lighting and ignition (SLI) of motorcycles and other power sport vehicles. The nominal voltage is 12 V or 6 V. Test definitions and criteria in this document are written for batteries with a nominal voltage of 12 V only. For batteries with a nominal voltage of 6 V all voltages have to be divided by two. The other power sports vehicles in this document are snowmobiles, personal water crafts and all-terrain vehicles. This document is not applicable to batteries for other purposes, such as the back-up power source, auxiliary equipment of internal combustion engine vehicles and e-bike. The object of this document is to specify -general requirements; - size, essential functional characteristics, relevant test methods and results required.

Keel: en
Alusdokumendid: IEC 60095-7:201X; prEN IEC 60095-7:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

31 ELEKTROONIKA

EN 60062:2016/prA1:2018
Marking codes for resistors and capacitors

Amendment for EN 60062:2016

Keel: en
Alusdokumendid: IEC 60062:2016/A1:201X; EN 60062:2016/prA1:2018
Muudab dokumenti: EVS-EN 60062:2016

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 45556

General method for assessing the proportion of re-used components in energy-related products

This document deals with the assessment of the proportion of re-used components in energy-related products on a generic level. All energy-related products are in the scope of this standard.

Keel: en
Alusdokumendid: prEN 45556

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 60917-1:2018

Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard

This International Standard specifies the relationships between equipment practices and the modular order which are applicable to the main structural dimensions of electronic and electrical equipment mounted in various installations where dimensional interfaces have to be considered for mechanical compatibility. This standard also covers standard terms for parts and assemblies of mechanical structures for electrical and electronic equipment, to clarify the specific relations between equipment practices and modular order.

Keel: en
Alusdokumendid: prEN IEC 60917-1:2018; IEC 60917-1:201X (48D/681/CDV) (EQV)
Asendab dokumenti: EVS-EN 60917-1:2002

Arvamusküsitluse lõppkuupäev: 04.11.2018

33 SIDETEHNIKA

prEN IEC 61756-1:2018

Fibre optic interconnecting devices and passive components - Interface standard for fibre management systems - Part 1: General and guidance

This part of IEC 61756 covers general information on fibre management system interfaces. It includes the definitions and rules under which a fibre management system interface is created and it provides also criteria to identify the minimum bending radius for stored fibres. This standard allows both single-mode and multimode fibre to be used. Liquid, gas or dust sealing requirements at the cable entry area or cable element ending are not covered in this standard.

Keel: en
Alusdokumendid: IEC 61756-1:201X; prEN IEC 61756-1:2018
Asendab dokumenti: EVS-EN 61756-1:2006

Arvamusküsitluse lõppkuupäev: 04.11.2018

35 INFOTEHNOLOOGIA

prEN 16815

CleANopen - Application profile for municipal vehicles

This European Standard provides a set of CANopen application profile specifications that describes the CleANopen embedded body control network of municipal vehicles, e.g. refuse collecting trucks. It specifies the CANopen communication interfaces and the application functionality of several functional elements (virtual devices). It does not specify CANopen devices. The CleANopen application profile specifications consist of several parts dealing with the following: - general definitions; - functionality of the virtual devices; - pre defined PDOs and SDOs; - application objects.

Keel: en
Alusdokumendid: prEN 16815
Asendab dokumenti: CEN/TR 16815:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-10:2018

OPC Unified Architecture - Part 10: Programs

This specification is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Programs. This includes the description of the NodeClasses, standard Properties, Methods and Events and associated behaviour and information for Programs. The complete address space model including all NodeClasses and Attributes is specified in IEC 62541-3. The services such as those used to invoke the Methods used to manage Programs are specified in IEC 62541-4.

Keel: en
Alusdokumendid: IEC 62541-10:201X; prEN IEC 62541-10:2018
Asendab dokumenti: EVS-EN 62541-10:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-11:2018

OPC Unified Architecture - Part 11: Historical Access

This specification is part of the overall OPC Unified Architecture specification series and defines the information model associated with Historical Access (HA). It particularly includes additional and complementary descriptions of the NodeClasses and Attributes needed for Historical Access, additional standard Properties, and other information and behaviour. The complete AddressSpace model including all NodeClasses and Attributes is specified in IEC 62541-3. The predefined Information Model is defined in IEC 62541-5. The Services to detect and access historical data and events, and description of the ExtensibleParameter types are specified in IEC 62541-4. This specification includes functionality to compute and return Aggregates like minimum, maximum, average etc. The Information Model and the concrete working of Aggregates are defined in IEC 62541-13.

Keel: en
Alusdokumendid: IEC 62541-11:201X; prEN IEC 62541-11:2018
Asendab dokumenti: EVS-EN 62541-11:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-12:2018

Unified Architecture Specification - Part 12: Discovery

This part specifies how OPC Unified Architecture (OPC UA) Clients and Servers interact with DiscoveryServers when used in different scenarios. It specifies the requirements for the LocalDiscoveryServer, LocalDiscoveryServer-ME and GlobalDiscoveryServer. It also defines information models for Certificate management, KeyCredential management and Authorization Services.

Keel: en
Alusdokumendid: IEC 62541-12:201X; prEN IEC 62541-12:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-13:2018

OPC Unified Architecture - Part 13: Aggregates

This specification is part of the overall OPC Unified Architecture specification series and defines the information model associated with Aggregates.

Keel: en
Alusdokumendid: IEC 62541-13:201X; prEN IEC 62541-13:2018
Asendab dokumenti: EVS-EN 62541-13:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-14:2018

OPC Unified Architecture - Part 14: PubSub

This specification defines the OPC Unified Architecture (OPC UA) PubSub communication model. It defines an OPC UA publish subscribe pattern which complements the client server pattern defined by the Services in IEC 62541-4. See IEC TR 62541-1 for an overview of the two models and their distinct uses. PubSub allows distributing data and events from an OPC UA information source to interested observers inside a device network as well as in IT and analytics cloud systems. The specification consists of • a general introduction of the PubSub concepts, • a definition of the PubSub configuration parameters, • mapping of PubSub concepts and configuration parameters to messages and transport protocols, • and a PubSub configuration model. Not all OPC UA Applications will need to implement all defined message and transport protocol mappings. IEC 62541-7 defines the Profile that dictate which mappings need to be implemented in order to be compliant with a particular Profile.

Keel: en
Alusdokumendid: IEC 62541-14:201X; prEN IEC 62541-14:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-3:2018

OPC unified architecture - Part 3: Address Space Model

This specification describes the OPC Unified Architecture (OPC UA) AddressSpace and its Objects. This Part is the OPC UA meta model on which OPC UA information models are based.

Keel: en
Alusdokumendid: IEC 62541-3:201X; prEN IEC 62541-3:2018
Asendab dokumenti: EVS-EN 62541-3:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-4:2018

OPC Unified Architecture - Part 4: Services

This specification defines the OPC Unified Architecture (OPC UA) Services. The Services described are the collection of abstract Remote Procedure Calls (RPC) that are implemented by OPC UA Servers and called by OPC UA Clients. All interactions between OPC UA Clients and Servers occur via these Services. The defined Services are considered abstract because no particular RPC mechanism for implementation is defined in this part. IEC 62541-6 specifies one or more concrete mappings supported for implementation. For example, one mapping in IEC 62541-6 is to XML Web Services. In that case the Services described in this part appear as the Web service methods in the WSDL contract. Not all OPC UA Servers will need to implement all of the defined

Services. IEC 62541-7 defines the Profiles that dictate which Services need to be implemented in order to be compliant with a particular Profile.

Keel: en
Alusdokumendid: IEC 62541-4:201X; prEN IEC 62541-4:2018
Asendab dokumenti: EVS-EN 62541-4:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-5:2018
OPC Unified Architecture - Part 5: Information Model

This specification defines the Information Model of the OPC Unified Architecture. The Information Model describes standardised Nodes of a Server's AddressSpace. These Nodes are standardised types as well as standardised instances used for diagnostics or as entry points to server-specific Nodes. Thus, the Information Model defines the AddressSpace of an empty OPC UA Server. However, it is not expected that all Servers will provide all of these Nodes.

Keel: en
Alusdokumendid: IEC 62541-5:201X; prEN IEC 62541-5:2018
Asendab dokumenti: EVS-EN 62541-5:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-6:2018
OPC unified architecture - Part 6: Mappings

This part specifies the OPC Unified Architecture (OPC UA) mapping between the security model described in IEC/TR 62541-2, the abstract service definitions, described in IEC 62541-4, the data structures defined in IEC 62541-5 and the physical network protocols that can be used to implement the OPC UA specification.

Keel: en
Alusdokumendid: IEC 62541-6:201X; prEN IEC 62541-6:2018
Asendab dokumenti: EVS-EN 62541-6:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-7:2018
OPC unified architecture - Part 7: Profiles

This document describes the OPC Unified Architecture (OPC UA) Profiles. The Profiles in this document are used to segregate features with regard to testing of OPC UA Products and the nature of the testing (tool based or lab based). This includes the testing performed by the OPC Foundation provided OPC UA CTT (a self-test tool) and by the OPC Foundation provided Independent Certification Test Labs. This could equally as well refer to test tools provided by another organization or a test lab provided by another organization. What is important is the concept of automated tool based testing versus lab based testing. The scope of this standard includes defining functionality that can only be tested in an a lab and defining the grouping of functionality that is to 403 be used when testing OPC UA products either in a lab or using automated tools. The definition of 404 actual TestCases is not within the scope of this document, but the general categories of TestCases 405 are within the scope of this document. Most OPC UA applications will conform to several, but not all of the Profiles.

Keel: en
Alusdokumendid: IEC 62541-7:201X; prEN IEC 62541-7:2018
Asendab dokumenti: EVS-EN 62541-7:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-8:2018
OPC Unified Architecture - Part 8: Data Access

This specification is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Data Access (DA). It particularly includes additional VariableTypes and complementary descriptions of the NodeClasses and Attributes needed for Data Access, additional Properties, and other information and behaviour. The complete address space model, including all NodeClasses and Attributes is specified in IEC 62541-3. The services to detect and access data are specified in IEC 62541-4.

Keel: en
Alusdokumendid: IEC 62541-8:201X; prEN IEC 62541-8:2018
Asendab dokumenti: EVS-EN 62541-8:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN IEC 62541-9:2018
OPC Unified Architecture - Part 9: Alarms and conditions

This standard specifies the representation of Alarms and Conditions in the OPC Unified Architecture. Included is the Information Model representation of Alarms and Conditions in the OPC UA address space.

Keel: en
Alusdokumendid: IEC 62541-9:201X; prEN IEC 62541-9:2018
Asendab dokumenti: EVS-EN 62541-9:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 19136-1

Geographic information - Geography Markup Language (GML) - Part 1: Fundamentals (ISO/DIS 19136-1:2018)

The Geography Markup Language (GML) is an XML encoding in compliance with ISO 19118 for the transport and storage of geographic information modelled in accordance with the conceptual modelling framework used in the ISO 19100 series of International Standards and including both the spatial and non-spatial properties of geographic features. This International Standard defines the XML Schema syntax, mechanisms and conventions that: - provide an open, vendor-neutral framework for the description of geospatial application schemas for the transport and storage of geographic information in XML; - allow profiles that support proper subsets of GML framework descriptive capabilities; - support the description of geospatial application schemas for specialized domains and information communities; - enable the creation and maintenance of linked geographic application schemas and datasets; - support the storage and transport of application schemas and datasets; - increase the ability of organizations to share geographic application schemas and the information they describe. Implementers may decide to store geographic application schemas and information in GML, or they may decide to convert from some other storage format on demand and use GML only for schema and data transport. NOTE If an ISO 19109 conformant application schema described in UML is used as the basis for the storage and transportation of geographic information, this International Standard provides normative rules for the mapping of such an application schema to a GML application schema in XML Schema and, as such, to an XML encoding for data with a logical structure in accordance with the ISO 19109 conformant application schema.

Keel: en
Alusdokumendid: ISO/DIS 19136-1; prEN ISO 19136-1
Asendab dokumenti: EVS-EN ISO 19136:2009

Arvamusküsitluse lõppkuupäev: 04.11.2018

43 MAANTEESÕIDUKITE EHITUS

prEN 16815

CleANopen - Application profile for municipal vehicles

This European Standard provides a set of CANopen application profile specifications that describes the CleANopen embedded body control network of municipal vehicles, e.g. refuse collecting trucks. It specifies the CANopen communication interfaces and the application functionality of several functional elements (virtual devices). It does not specify CANopen devices. The CleANopen application profile specifications consist of several parts dealing with the following: - general definitions; - functionality of the virtual devices; - pre defined PDOs and SDOs; - application objects.

Keel: en
Alusdokumendid: prEN 16815
Asendab dokumenti: CEN/TR 16815:2015

Arvamusküsitluse lõppkuupäev: 04.11.2018

45 RAUDTEETEHNIKA

prEN 17285

Railway applications - Acoustics - Measuring of door audible warnings

This European standard describes the type test assessment method for acoustic signals at passenger external doors applying to rolling stock. The following applies to this standard: - this standard refers to acoustical passenger information indicating the release, opening and closing of passenger doors; - this standard is applicable to tonal signals with defined frequency components; - this standard is not applicable to spoken information. NOTE 1 Acoustic door signals in terms of TSI compliance are defined in EN 16584-2 "Design for PRM use". NOTE 2 Acoustic doors signals in terms of door system function are described in EN 14752.

Keel: en
Alusdokumendid: prEN 17285

Arvamusküsitluse lõppkuupäev: 04.11.2018

47 LAEVAEHITUS JA MERE-EHITISED

prEN 17243

Cathodic protection of internal surfaces of metallic tanks, structures, equipment, and piping containing seawater

This document specifies the requirements and recommendations for cathodic protection systems applied to the internal surfaces of metallic tanks, structures, equipment, and piping containing raw or treated seawater or brackish waters, to provide an efficient protection from corrosion. Cathodic protection inside fresh water systems is excluded from this document. This is covered by EN 12499. NOTE EN 12499 covers internal cathodic protection for any kind of waters, including general aspects for seawater; but excluding industrial cooling water systems. This document specifically details applications in seawater and brackish waters.

Keel: en
Alusdokumendid: prEN 17243

Arvamusküsitluse lõppkuupäev: 04.11.2018

49 LENNUNDUS JA KOSMOSETEHNIKA

FprEN 4852

Aerospace series - External spiral drive heads for threaded fasteners - Geometrical definition and wrenching configuration

This European Standard specifies dimensions and gauging system for external MORTORQ super bolt head spiral drive system.

Keel: en
Alusdokumendid: FprEN 4852

Arvamusküsitluse lõppkuupäev: 04.11.2018

FprEN 4854-1

Aerospace series - Bearing, spherical plain, in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions, narrow series - Part 1: Dimensions and loads

This European Standard specifies the characteristics of spherical plain bearings in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions, narrow series for aerospace applications. These self-lubricating spherical plain bearings are intended for use in fixed or moving parts of the aircraft structure especially for control mechanism and operating systems. The bearings are designed to be subjected under low dynamic radial loads and slow rotations in the temperature range of −55°C to 120 °C (−67°F to 248 °F).

Keel: en
Alusdokumendid: FprEN 4854-1

Arvamusküsitluse lõppkuupäev: 04.11.2018

FprEN 4854-2

Aerospace series - Bearing, spherical plain, in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions, wide series - Part 2: Dimensions and loads

This European Standard specifies the characteristics of spherical plain bearings in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions, wide series for aerospace applications. These self-lubricating spherical plain bearings are intended for use in fixed or moving parts of the aircraft structure especially for control mechanism and operating systems. The bearings are designed to be subjected under low dynamic radial loads and slow rotations in the temperature range of −55°C to 120 °C (−67 °F to 248 °F).

Keel: en
Alusdokumendid: FprEN 4854-2

Arvamusküsitluse lõppkuupäev: 04.11.2018

FprEN 4854-3

Aerospace series - Bearing, spherical plain, in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions - Part 3: Technical specification

This European Standard specifies the required characteristics, inspection and test methods, qualification and acceptance conditions for spherical plain bearings in corrosion resisting steel with self-lubricating liner, low starting torque and low friction coefficient, elevated duty cycles under low oscillations at different operating conditions. This standard applies whenever referenced. These self-lubricating spherical plain bearings are intended for use in fixed or moving parts of the aircraft structure especially for control mechanism and operating systems. The bearings are designed subjected under low dynamic radial loads and slow rotations in the temperature range of −55 °C to 120 °C (−67 °F to 248 °F). The liner may be of a fabric or composite material bonded to the inside diameter of the outer ring or in a composite material moulded into a pre-formed cavity between the inner and outer rings.

Keel: en
Alusdokumendid: FprEN 4854-3

Arvamusküsitluse lõppkuupäev: 04.11.2018

FprEN 6055

Aerospace series - Rod-end with bearing EN 4265 in corrosion resisting steel, external threaded shank - Dimensions and loads - Inch series

This European standard specifies the characteristics of adjustable rod ends consisting of: - a spherical plain bearing, metal to metal, in corrosion resisting steel, wide series (EN 4265); - a rod-end with threaded shank with an optional longitudinal groove for locking purposes. They are intended for use in fixed or moving parts of the aircraft structure and their control mechanisms.

Keel: en
Alusdokumendid: FprEN 6055

Arvamusküsitluse lõppkuupäev: 04.11.2018

61 RÕIVATÖÖSTUS

prEN ISO 17700

Footwear - Test methods for upper components and insocks - Colour fastness to rubbing and bleeding (ISO/DIS 17700:2018)

1.1 This standard specifies three test methods (method A, method B and method C) for assessing the degree of transfer of a material's surface colour during dry or wet rubbing. The methods are applicable to all footwear upper, lining and insock irrespective of the material, in order to assess the suitability for the end use. 1.2 This standard also specifies a method (method D) for determining the likelihood of colour bleeding from materials and components. The method is applicable to all footwear upper, lining and insock irrespective of the material as well as sewing threads and shoe laces due to the action of water and artificial perspiration solutions, in order to assess the suitability for the end use.

Keel: en
Alusdokumendid: ISO/DIS 17700; prEN ISO 17700
Asendab dokumenti: EVS-EN ISO 17700:2005

Arvamusküsitluse lõppkuupäev: 04.11.2018

65 PÕLLUMAJANDUS

EN ISO 4254-11:2010/prA1

Agricultural machinery - Safety - Part 11: Pick-up balers - Amendment 1 (ISO 4254-11:2010/DAM 1:2018)

Amendment for EN ISO 4254-11:2010

Keel: en
Alusdokumendid: ISO 4254-11:2010/DAmd 1; EN ISO 4254-11:2010/prA1
Muudab dokumenti: EVS-EN ISO 4254-11:2011

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17294

Animal feeding stuffs: Methods of sampling and analysis - Determination of organic acids by Ion Chromatography with Conductivity Detection (IC-CD)

This document specifies a method for the determination of organic acids in animal feeding stuffs by Ion Chromatography with conductivity detection (IC-CD). The method is intended to be used for the determination of formic acid, lactic acid, propionic acid, citric acid, fumaric acid and malic acid as active substances in feed additives, premixtures, compound feed and water and for screening of acetic acid in the same matrices. This method determines the total extractable concentration of the above mentioned organic acids and their salts. The working range of the method must be determined for each organic acid by the user of this standard. The lower limit of the working range depends on the matrix and the interferences encountered. A working range between 10 [mg/l] and 100 [mg/l] should be achievable. The method was successfully tested in an inter-laboratory study in concentrations between 0,02 % up to 27 % of the above mentioned organic acids. NOTE Limitation occurs during simultaneous determination of high concentration of lactic acid and low concentration of acetic acid. If the ratio of concentration of lactic acid to acetic acid exceeds factor 20, the determination of acetic acid is not guaranteed. On the basis of the referred working range, sample weight and extraction volume, limits of quantification (LOQ), as calculated (Table 1) should be achievable.

Keel: en
Alusdokumendid: prEN 17294

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17298

Animal feeding stuffs: Methods of sampling and analysis - Determination of benzoic and sorbic acid by High Pressure Liquid Chromatography (HPLC)

This document specifies a method for the determination of benzoic acid and sorbic acid in animal feeding stuffs by high-performance liquid chromatography method with ultra-violet detection (HPLC-UV). The method is intended to be used for the determination of benzoic acid and sorbic acid as active substances in feed additives, premixtures and compound feed and for benzoic acid in water. This method determines the total extractable concentration of these organic acids and their salts. The working range of the method must be determined for each organic acid by the user of this standard. The lower limit of the working range depends on the matrix and the interferences encountered. A working range between 5 mg/l and 100 mg/l should be accessible. The method was successfully tested in an inter-laboratory study in concentrations between 0,02 % up to 9,0 %. On the basis of the referred working range, sample weigh and extraction volume, limits of quantification (LOQ), as calculated (Table 1) on the basis of a wavelength of 230 nm, should be achievable.

Keel: en
Alusdokumendid: prEN 17298

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17299

Animal feeding stuffs: Methods of sampling and analysis - Screening and determination of authorized coccidiostats at additive and 1 % and 3 % cross-contamination level, and of non-

registered coccidiostats and of one antibiotic at sub-additive levels, in compound feed with High Performance Liquid Chromatography - Tandem Mass Spectrometry detection (LC-MS/MS)

This document specifies a high performance liquid chromatographic – tandem mass spectrometry (LC-MS/MS) method for the simultaneous screening and/or determination of the eleven authorised coccidiostats (halofuginone, robenidine hydrochloride, nicarbazin, diclazuril, decoquinate, monensin sodium, salinomycin sodium, narasin, lasalocid sodium, semduramicin sodium and maduramicin ammonium alpha) contents in poultry, cattle and pig feed at additive and cross-contamination levels and of five non-registered coccidiostats (ethopabate, clopidol, ronidazole, dimetridazole and amprolium) at sub-additive levels and for the screening of the prohibited furazolidone antibiotic at sub-additive level, in the same matrices. The range of application of the method is fit for the purpose of the screening and determination of all eleven coccidiostats at the values set by European legislation, of the non-registered coccidiostats and of the screening of the banned antibiotic.

Keel: en
Alusdokumendid: prEN 17299

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 16122-5

Agricultural and forestry machines - Inspection of sprayers in use - Part 5: Aerial spray systems - Environmental protection (ISO/DIS 16122-5:2018)

This International Standard specifies the requirements and test methods for their verification for inspection in use for aerial fixed wing and rotary aircraft spray systems for agriculture, horticulture forestry and human health, with respect to minimizing the risk of environmental. This part of ISO 16122 relates mainly to the condition of the equipment with respect to its potential risk for the environment and its performance to achieve good applications. NOTE: Requirements for the protection of inspectors during an inspection are given in ISO 16122-1.

Keel: en
Alusdokumendid: ISO/DIS 16122-5; prEN ISO 16122-5

Arvamusküsitluse lõppkuupäev: 04.11.2018

71 KEEMILINE TEHNOLOOGIA

prEN 14128

Durability of wood and wood-based products - Efficacy criteria for curative wood preservatives as determined by biological tests

This European Standard specifies the minimum performance requirements in biological tests for products for curative uses against specific wood destroying organisms. It specifies the biological tests required together with the efficacy criteria to be achieved in each test. Chemicals against insects can act according to their specific properties within a short time (fast acting) or only after a long period (slow acting or with a deferred effect). Different tests and efficacy requirements are needed for these various types of curative wood preservatives. This European Standard is applicable to all wood preservative products supplied for application in liquid form for curative uses against attack by wood boring beetles. This European Standard is also applicable for products applied to prevent the growth of the dry rot fungus through masonry. This European Standard is also applicable to products for curative uses supplied for application as pastes, solids or in capsule form but only where appropriate biological methods of test exist as published European Standards or as normative annexes to this European Standard. NOTE 1 For re-testing after making variations in product formulation, guidance is given in Annex A. NOTE 2 This standard is used as a reference document for the evaluation of efficacy of biocidal products PT8 (wood preservatives) in the framework of the European Regulation on Biocidal Products (EU) No 528/2012 (BPR). This European Standard is not applicable to products used as fumigants. This European Standard is also not applicable for determining whether specific curative products, used alone or in combination, are effective in conferring long-term protection against attack by wood destroying organisms. Preventive effectiveness can be determined using EN 599-1 but only for products that can be tested using the methods and interpretative procedures defined in EN 599-1. Annex A (informative) contains a guidance on re-testing after making variations in product formulation. Annex B (informative) contains some test recommendations for specific curative products against other insect species than Hylotrupes bajulus and Anobium punctatum. Annex C (informative) contains a guidance for physical chemical properties.

Keel: en
Alusdokumendid: prEN 14128
Asendab dokumenti: EVS-EN 14128:2004

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 14624

Performance of portable leak detectors and of room monitors for halogenated refrigerants

This document specifies the requirements for portable locating leak detectors and fixed gas detectors for all refrigerants. Locating detectors used in factories for manufacturing processes are not included in the Scope of prEN 14624. 1.1 Product application: This document applies to different applications and environments such as plant and machine rooms, production rooms, cold rooms, supermarkets, occupied spaces like offices and hotels. 1.2 Product performance: This document specifies minimum requirements for sensitivity, operating range, response time, environmental conditions and cross sensitivity from interference gases. 1.3 Product installation: This document gives guidance of suitable technology, location of detection points, interconnection with secondary equipment (e.g. initiation of mechanical ventilation, personnel warning, equipment shutdown). 1.4 Service and maintenance: This document gives guidance for service and maintenance: Sensors and mechanical equipment have a limited operating life and require regular performance verification to ensure conformity.

Keel: en
Alusdokumendid: prEN 14624

Asendab dokumenti: EVS-EN 14624:2012

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17294

Animal feeding stuffs: Methods of sampling and analysis - Determination of organic acids by Ion Chromatography with Conductivity Detection (IC-CD)

This document specifies a method for the determination of organic acids in animal feeding stuffs by Ion Chromatography with conductivity detection (IC-CD). The method is intended to be used for the determination of formic acid, lactic acid, propionic acid, citric acid, fumaric acid and malic acid as active substances in feed additives, premixtures, compound feed and water and for screening of acetic acid in the same matrices. This method determines the total extractable concentration of the above mentioned organic acids and their salts. The working range of the method must be determined for each organic acid by the user of this standard. The lower limit of the working range depends on the matrix and the interferences encountered. A working range between 10 [mg/l] and 100 [mg/l] should be achievable. The method was successfully tested in an inter-laboratory study in concentrations between 0,02 % up to 27 % of the above mentioned organic acids. NOTE Limitation occurs during simultaneous determination of high concentration of lactic acid and low concentration of acetic acid. If the ratio of concentration of lactic acid to acetic acid exceeds factor 20, the determination of acetic acid is not guaranteed. On the basis of the referred working range, sample weight and extraction volume, limits of quantification (LOQ), as calculated (Table 1) should be achievable.

Keel: en
Alusdokumendid: prEN 17294

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17298

Animal feeding stuffs: Methods of sampling and analysis - Determination of benzoic and sorbic acid by High Pressure Liquid Chromatography (HPLC)

This document specifies a method for the determination of benzoic acid and sorbic acid in animal feeding stuffs by high-performance liquid chromatography method with ultra-violet detection (HPLC-UV). The method is intended to be used for the determination of benzoic acid and sorbic acid as active substances in feed additives, premixtures and compound feed and for benzoic acid in water. This method determines the total extractable concentration of these organic acids and their salts. The working range of the method must be determined for each organic acid by the user of this standard. The lower limit of the working range depends on the matrix and the interferences encountered. A working range between 5 mg/l and 100 mg/l should be accessible. The method was successfully tested in an inter-laboratory study in concentrations between 0,02 % up to 9,0 %. On the basis of the referred working range, sample weigh and extraction volume, limits of quantification (LOQ), as calculated (Table 1) on the basis of a wavelength of 230 nm, should be achievable.

Keel: en
Alusdokumendid: prEN 17298

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17299

Animal feeding stuffs: Methods of sampling and analysis - Screening and determination of authorized coccidiostats at additive and 1 % and 3 % cross-contamination level, and of non-registered coccidiostats and of one antibiotic at sub-additive levels, in compound feed with High Performance Liquid Chromatography - Tandem Mass Spectrometry detection (LC-MS/MS)

This document specifies a high performance liquid chromatographic – tandem mass spectrometry (LC-MS/MS) method for the simultaneous screening and/or determination of the eleven authorised coccidiostats (halofuginone, robenidine hydrochloride, nicarbazin, diclazuril, decoquinate, monensin sodium, salinomycin sodium, narasin, lasalocid sodium, semduramicin sodium and maduramicin ammonium alpha) contents in poultry, cattle and pig feed at additive and cross-contamination levels and of five non-registered coccidiostats (ethopabate, clopidol, ronidazole, dimetridazole and amprolium) at sub-additive levels and for the screening of the prohibited furazolidone antibiotic at sub-additive level, in the same matrices. The range of application of the method is fit for the purpose of the screening and determination of all eleven coccidiostats at the values set by European legislation, of the non-registered coccidiostats and of the screening of the banned antibiotic.

Keel: en
Alusdokumendid: prEN 17299

Arvamusküsitluse lõppkuupäev: 04.11.2018

75 NAFTA JA NAFTATEHNOLOOGIA

prEN ISO 20257-1

Installation and equipment for liquefied natural gas - Design of floating LNG installations - Part 1: General requirements (ISO/DIS 20257-1:2018)

The objective of ISO 20257-1 is to provide functional guidelines and recommend practices for the design of floating liquefied natural gas (LNG) installations in order to have a safe and environmentally acceptable design and operation of floating LNG installations. ISO 20257 gives functional guidelines for the design and operation of all floating LNG installations including those for the liquefaction, storage, vaporisation, transfer and handling of LNG.

Keel: en
Alusdokumendid: ISO/DIS 20257-1; prEN ISO 20257-1

Arvamusküsitluse lõppkuupäev: 04.11.2018

77 METALLURGIA

prEN 10219-2

Cold formed welded steel structural hollow sections - Part 2: Tolerances, dimensions and sectional properties

This document specifies tolerances for cold formed welded circular, square, rectangular and elliptical structural hollow sections, manufactured in wall thicknesses up to 40 mm, in the following size ranges: — circular: Outside diameters up to 2 500 mm; — square: Outside dimensions up to 500 mm × 500 mm; — rectangular: Outside dimensions up to 500 mm × 300 mm; — elliptical: Outside dimensions up to 480 mm × 240 mm. The formulae for calculating sectional properties of sections manufactured to the dimensional tolerances of this standard, to be used for the purposes of structural design, are given in Annex A. Dimensions and sectional properties for a limited range of more common sizes are given in Annex B. NOTE The designation of the sections' major axis (yy) and its minor axis (zz) align with the axis designation used for structural design in the structural Eurocodes.

Keel: en
Alusdokumendid: prEN 10219-3
Asendab dokumenti: EVS-EN 10219-2:2006

Arvamusküsitluse lõppkuupäev: 04.10.2018

prEN 17243

Cathodic protection of internal surfaces of metallic tanks, structures, equipment, and piping containing seawater

This document specifies the requirements and recommendations for cathodic protection systems applied to the internal surfaces of metallic tanks, structures, equipment, and piping containing raw or treated seawater or brackish waters, to provide an efficient protection from corrosion. Cathodic protection inside fresh water systems is excluded from this document. This is covered by EN 12499. NOTE EN 12499 covers internal cathodic protection for any kind of waters, including general aspects for seawater; but excluding industrial cooling water systems. This document specifically details applications in seawater and brackish waters.

Keel: en
Alusdokumendid: prEN 17243

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN ISO 683-3

Heat-treatable steels, alloy steels and free-cutting steels - Part 3: Case-hardening steels (ISO/FDIS 683-3:2018)

This document specifies the technical delivery requirements for — semi-finished products, hot formed, e.g. blooms, billets, slabs (see NOTE 1), — bars (see NOTE 1), — wire rod, — finished flat products, and — hammer or drop forgings (see NOTE 1) manufactured from the case-hardening non-alloy or alloy steels listed in Table 3 and supplied in one of the heat-treatment conditions given for the different types of products in Table 1 and in one of the surface conditions given in Table 2. The steels are, in general, intended for the manufacture of case-hardened machine parts. NOTE 1 Hammer-forged semi-finished products (blooms, billets, slabs, etc.), seamless rolled rings and hammer-forged bars are covered under semi-finished products or bars and not under the term “hammer and drop forgings”. NOTE 2 For International Standards relating to steels complying with the requirements for the chemical composition in Table 3, however, supplied in other product forms or treatment conditions than given above or intended for special applications, and for other related International Standards, see the Bibliography. In special cases, variations in these technical delivery requirements or additions to them can form the subject of an agreement at the time of enquiry and order (see 5.2 and Annex A). In addition to this document, the general technical delivery requirements of ISO 404 are applicable.

Keel: en
Alusdokumendid: ISO/FDIS 683-3; prEN ISO 683-3
Asendab dokumenti: EVS-EN ISO 683-3:2018

Arvamusküsitluse lõppkuupäev: 04.11.2018

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 10350-2

Plastics - Acquisition and presentation of comparable single-point data - Part 2: Long-fibre-reinforced plastics (ISO/DIS 10350-2:2018)

ISO 10350 identifies specific test procedures for the acquisition and presentation of comparable data for certain basic properties of plastics. In general, each property is specified by a single experimental value, although in certain cases properties are represented by two values obtained under different test conditions or along different directions in the material. The properties included are those presented conventionally in manufacturers' data sheets. This part of ISO 10350 applies to reinforced thermoplastic and thermosetting materials where the reinforcement fibres are either discontinuous with a fibre length prior to processing greater than 7,5 mm or continuous (e.g. fabric, continuous-strand mat or unidirectional). Part 1 of this International Standard deals specifically with unreinforced and filled plastics, including those using fibres less than 7,5 mm in length.

Keel: en
Alusdokumendid: ISO/DIS 10350-2; prEN ISO 10350-2
Asendab dokumenti: EVS-EN ISO 10350-2:2011

Arvamusküsitluse lõppkuupäev: 04.11.2018

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 17872

Paints and varnishes - Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing (ISO/DIS 17872:2018)

This document describes methods of scribing coated steel or test-pieces for corrosion tests, where the coating system is applied at dry film thicknesses of less than 500 µm. It is intended as a guideline only, being based on the results of a collaborative trial with no subsequent corrosion testing having been carried out to determine the suitability of the introduced scribe marks for such tests. This document covers the scribing of metallic panels or test pieces (chemically treated or not) made from: — steel, — galvanized steel, — aluminium alloys, — magnesium alloys. It does not cover the scribing of electroplated metal or clad aluminium panels.

Keel: en
Alusdokumendid: ISO/DIS 17872; prEN ISO 17872
Asendab dokumenti: EVS-EN ISO 17872:2007

Arvamusküsitluse lõppkuupäev: 04.11.2018

91 EHITUSMATERJALID JA EHITUS

FprHD 60364-7-721:2017/FprAA:2018

Low voltage electrical installations - Part 7-721: Requirements for special installations or locations - Electrical installations in caravans and motor caravans

Common modification for FprHD 60364-7-721:2017

Keel: en
Alusdokumendid: FprHD 60364-7-721:2017/FprAA:2018
Muudab dokumenti: FprHD 60364-7-721:2016

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 14889-2

Fibres for concrete - Part 2: Polymer fibres - Definition, specifications and conformity

This document specifies requirements for polymer fibres for structural or non-structural use in concrete, mortar and grout. It covers fibres intended for use in all types of concrete and mortar, including sprayed concrete, flooring, precast, in-situ and repair concretes. Provisions governing the application of polymer fibres in the production of fibre reinforced concrete or mortar elements, i. e. requirements concerning fibre content, structural design, mixing, placing, etc. of concrete including polymer fibres are not part of this standard. NOTE Structural use of fibres is where the addition of fibres is designed to contribute to the load bearing capacity of a concrete or mortar element, see 3.18.

Keel: en
Alusdokumendid: prEN 14889-2
Asendab dokumenti: EVS-EN 14889-2:2006

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 16025-1

Thermal and/or sound insulating products in building construction - Bound EPS ballastings - Part 1: Requirements for factory premixed EPS dry plaster

This European Standard specifies the requirements for in-situ formed bound EPS products (BEPS) for the thermal and/or sound insulation of buildings when applied to walls, ceilings, roofs and floors. This European Standard covers products which are manufactured as premixed EPS dry plaster/mortar in a factory or mobile production unit. This European Standard is a specification for the bound EPS products before installation. This European Standard describes the product characteristics and includes procedures for testing, marking and labelling and the rules for evaluation of conformity. This European Standard does not specify the required class or level of a given property to be achieved by a product to demonstrate fitness for purpose in a particular application. The classes and levels required for a given application are to be found in regulations or non-conflicting standards. Products with a declared thermal conductivity at 10 °C greater than 0,18 W/(m • K) are not covered by this European Standard. This European Standard does not cover factory made insulation products in the form of prefabricated shapes or boards made of bound EPS. This European Standard also specifies performance requirements for airborne sound insulation and for acoustic absorption applications.

Keel: en
Alusdokumendid: prEN 16025-1
Asendab dokumenti: EVS-EN 16025-1:2013

Arvamusküsitluse lõppkuupäev: 04.11.2018

93 RAJATISED

prEN 13146-4

Railway applications - Track - Test methods for fastening systems - Part 4: Effect of repeated loading

This document specifies a laboratory test procedure for applying repeated displacement cycles representative of the displacements caused by traffic on railway track. It is used for assessing the long term performance of direct fastening systems. The procedure is applicable to surface mounted rail on sleepers, bearers and slab track, and embedded rail. This test procedure applies to a complete fastening assembly.

Keel: en
Alusdokumendid: prEN 13146-4
Asendab dokumenti: EVS-EN 13146-4:2012+A1:2014

Arvamusküsitluse lõppkuupäev: 04.11.2018

prEN 17282

Railway applications - Infrastructure - Under ballast mats

This document is applicable to under ballast mats used in ballasted track and defines the test procedures and their evaluation criteria. This document provides particular information in the following areas: - test methods, test arrangements and evaluation criteria of under ballast mat; - data supplied by the purchaser and by the supplier; - definition of general process of design approval tests; - definition of routine tests. This document defines the specific test procedures for under ballast mat: - stiffness tests; - fatigue tests; - number of tests for severe environmental condition. This document also sets out procedures for testing fitness for purpose and provides information on quality monitoring as part of quality assurance procedures. This document does not, however, contain requirements pertaining to the functions of under ballast mats. It is the responsibility of the purchaser to define these requirements and to choose the optional tests.

Keel: en
Alusdokumendid: prEN 17282

Arvamusküsitluse lõppkuupäev: 04.11.2018

97 OLME. MEELELAHUTUS. SPORT

prEN 15898:2018

Conservation of cultural heritage - Main general terms and definitions

This European Standard defines the main general terms used in the field of conservation of cultural property with particular attention to those terms which have wide use or significance.

Keel: en
Alusdokumendid: prEN 15898:2018
Asendab dokumenti: EVS-EN 15898:2011

Arvamusküsitluse lõppkuupäev: 04.11.2018

TÕLKED KOMMENTEERIMISEL

Selles jaotises avaldame teavet eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlgetega tutvumiseks võtta ühendust EVS-i standardiosakonnaga: standardiosakond@evs.ee, ostmiseks klienditeenindusega: standard@evs.ee.

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

EVS-EN 12519:2018

Aknad ja uksed. Terminoloogia

See Euroopa standard esitab akende ja käiguuste üldise terminoloogia. Erinevaid termineid on illustreeritud joonistega. EE MÄRKUS Erinevates Euroopa riikides on pideva ja pikaajalise aknatööstuse arengu tulemusena sõltuvalt kasutatavast tehnoloogiast välja kujunenud oma aknaid käsitlev terminoloogia. Eestis on kasutatud erinevaid tehnoloogiaid ja seetõttu kasutatakse ka erinevat terminoloogiat. Selles standardis on toodud kaks paralleelset võimalust, nn saksa-süsteemi aknad ja taani-süsteemi aknad (päritolumaa järgi). Taani-süsteemi akende terminoloogia on esitatud rasvases kaldkirjas. Kui terminid ühtivad (võivad ühtida), on toodud ainult üks termin.

Keel: et
Alusdokumendid: EN 12519:2018

Kommenteerimise lõppkuupäev: 04.10.2018

EVS-EN 16510-1:2018

Elamute tahkekütteseadmed. Osa 1: Üldnõuded ja katsemeetodid

See Euroopa standard on kohaldatav elamute tahkekütteseadmetele. Käesolev Euroopa standard sätestab nõuded, mis reguleerivad tahkel kütusel töötavate kütteseadmete (edaspidi seade või seadmed) projekteerimis-, tootmis-, konstruktsiooni-, ohutus- ja toimivusjuhiseid (soojuslik kasutegur ja heitmed). Lisaks esitab see sätteid vastavuse hindamiseks, st esmast tüübikatsetust (initial type testing, ITT) ja tehase tootmisohjet (factory production control, FPC) ning seadmete märgistamist. See Euroopa standard käsitleb ka CO, NOx, OGC ja tahkete osakeste (PM/PME – vt lisa F) heitmete mõõtmise katsemeetodeid, kuid ei sisalda nende heitmete piirväärtusi. Seadmeid, mis võtavad põlemisõhku väljastpoolt ebatihedaid välispiirdeid, ei loeta ruumivälise õhuvarustusega seadmeteks. Seda Euroopa standardit ei kohaldata kütteseadmetele, kus katla (või veesoojenduskontuuri) osad on vahetus kokkupuutes tule või suitsugaasidega, välja arvatud juhul, kui katla osad on valmistatud terasest või malmist. Seda Euroopa standardit ei kohaldata veesoojenduskontuuriga kütteseadmetele — mille vee temperatuur on üle 110 °C ja/või töörõhk üle 3 baari; — millel on otsene kokkupuude kuuma majapidamisveega. See Euroopa standard ei käsitle ventileerimisseadmetega töötatavaid kütteseadmeid, mis on ette nähtud töötamiseks seadme paigaldusruumis rõhuga alla 15 Pa välisõhu suhtes. See Euroopa standard ei käsitle seadmeid, mis on mõeldud korstna raskusekandmiseks.

Keel: et
Alusdokumendid: EN 16510-1:2018

Kommenteerimise lõppkuupäev: 04.10.2018

EVS-EN 16908:2017

Tsement ja ehituslubi. Toote keskkonnadeklaratsioonid. Standardit EN 15804 täiendavad tootekategooria reeglid

Tootekategooriaeeskirjade (PCR) üldine käsitlusala on esitatud standardi EN 15804:2012+A1:2013 peatükis 1. Käesolev PCR on mõeldud esmajoones tsemendi ja ehituslubja EPD-de koostamiseks hällist-väravani. Muus osas on käsitlusala sama kui standardil EN 15804.

Keel: et
Alusdokumendid: EN 16908:2017

Kommenteerimise lõppkuupäev: 04.10.2018

EVS-EN 933-10:2009

Täitematerjalide geomeetriliste omaduste katsetamine. Osa 10: Peenosiste hindamine. Filleri terastikuline koostis (sõelanalüüs õhujoas)

See Euroopa standard kirjeldab tüübikatsete ja lahkarvamuste puhul kasutatavat põhimeetodit loodusliku või tehisliku fillertäitematerjali tera suurusega kuni 2 mm terastikulise koostise määramiseks, kasutades õhujoas sõelumist. Muudel eesmärkidel, eriti tehase tootmisohje puhul, võib kasutada teisi meetodeid eeldusel, et asjakohane töötav seos põhimeetodiga on tuvastatud. MÄRKUS Alternatiivse meetodina võib kasutada standardi EN 933-1 kohast märgsõelumise menetlust. Siiski pole see menetlus kasutatav segufilleri puhul.

Keel: et
Alusdokumendid: EN 933-10:2009

Kommenteerimise lõppkuupäev: 04.10.2018

prEN 196-6

Tsemendi katsetamine. Osa 6: Peenuse määramine

See standard kirjeldab tsemendi peenuse määramise kolme meetodit. Sõelumismeetod näitab ainult jämedate tsemendiosakeste olemasolu. Esmajärjekorras on see ette nähtud tootmisprotsessi kontrollimiseks ja juhtimiseks. Õhujoa meetod määrab sõeljääki ja on kasutatav osistele, mis olulisel määral läbivad 2,0 mm katsesõela. Seda võib kasutada aglomeraatide väga peente osiste terastikulise koostise määramisel. Seda meetodit saab kasutada koos katsesõeltega avasuuruste vahemikus, nt 63 µm ja 90 µm. Õhuläbivuse meetodiga (Blaine'i meetod) määratakse eripind (pinna ja massi suhe) võrreldes etalonprooviga. Eripinna määramine on ette nähtud eelkõige ühe ja sama tehase jahvatusprotsessi kontrollimiseks. See meetod võimaldab siiski ainult kasutatava tsemendi omaduste piiratud määramist. MÄRKUS Ülipeeneid materjale sisaldavate tsementide puhul võib õhuläbivusmeetod mitte anda õigeid tulemusi. Nimetatud meetodeid võib rakendada kõikide standardis EN 197 loetletud tsementide puhul.

Keel: et
Alusdokumendid: prEN 196-6

Kommenteerimise lõppkuupäev: 04.10.2018

prEN 71-14

Mänguasjade ohutus. Osa 14: Batuudid koduseks kasutamiseks

See dokument määrab kindlaks nõuded ja katsemeetodid batuutidele koduseks kasutuseks, nende juurdepääsuseadmed ja tarandikud, mis on mõeldud välis- ja/või sisekasutuseks maapinna kohal korraga ühe isiku poolt. Selle standardi käsitlusalast jäävad välja: — batuudid, mida kasutatakse võimlemisvahenditena, mida hõlmatakse standardiga EN 13219:2008; — voolavad täispuhutavad batuudid, mida hõlmatakse standardisarjaga EN ISO 25649:2017; — batuudid, mida kasutatakse avalikel mänguväljakutel; — kalde all matiga batuudid; — täispuhutavad batuudid; — kehatreeninguks mõeldud batuudid, kaasa arvatud meditsiinilise otstarbega batuudid; — lisarajatistega batuudid, nt telgid, korvpallirõngas.

Keel: et
Alusdokumendid: prEN 71-14

Kommenteerimise lõppkuupäev: 04.10.2018

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 885:2005

Ehituskulude liigitamine
Classification of construction costs

Standardis leiavad käsitlemist: • ehituskulude liigitus; • töömahtude mõõtmise ja tööde arvestamise reeglid. Standardi alusel ehituskulude liigitamine ning töömahtude arvutamise reeglite kasutamine loob võimaluse kulusid ühtviisi nimetada, määratleda ja mõista nii omaniku, tellija, projekteerijate kui ehitajate (pea- ja alltöövõtjate) ning projektiga seotud konsultantide poolt. Iga organisatsiooni (tellija-organisatsioon; projektbüroo; ehitusettevõte) siseselt võib liigitis toodud määranguid täpsustada ja põhjendatult ümber kujundada. Samas ei tohi sellised ettevõttesisesed muudatused saada takistuseks andmete esitamisel avalikkusele ning teistele osapooltele siis, kui vajatakse kirjeldusi käesolevas standardis toodud liigiti nõudeid järgides, näiteks riigihangete pakkumisdokumentides. Käesoleva standardi ehituskulude liigiti on kasutatav hoonete, insenerehitiste ja rajatiste ehitamise ning rekonstrueerimise ehitusprojekt- ja hankedokumentide koostamisel ning projekti arengu järgnevatel etappidel.

Ülevaatusküsitluse lõppkuupäev: 04.10.2018

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas alljärgnevalt nimetatud standardite ja standardilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

Allviidatud standardite ja dokumentide kehtivana hoidmise vajalikkusest palume teavitada EVS-i standardiosakonda (standardiosakond@evs.ee).

EVS 689:2008
Värske söögipeet
Fresh beetroot

Standard käsitleb värskelt kaubastatava söögipeedi (Beta vulgaris ssp. vulgaris var. conditiva) kvaliteedi- ja suurusnõudeid ning kaubastamiseks ettevalmistamist, pakendamist ja märgistamist. Standard ei kehti töötlemiseks määratud söögipeedi kohta.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 690:2008
Värske kaalikas
Fresh Swedish turnip

Standard käsitleb värskelt kaubastatava kaalika (Brassica napus L. var. napobrassica) kvaliteedi- ja suurusnõudeid ning kaubastamiseks ettevalmistamist, pakendamist ja märgistamist. Standard ei kehti töötlemiseks määratud kaalika kohta.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 691:2008
Värske redis ja rõigas
Fresh radish

Käesolev standard käsitleb värskelt kaubastatava redise (Raphanus sativus L. var. sativus) ja rõika (Raphanus sativus L. var. niger) kvaliteedi- ja suurusnõudeid ning kaubastamiseks ettevalmistamist, pakendamist ja märgistamist. Standard ei kehti töötlemiseks määratud redise ja rõika kohta.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 710:2008
Värsked vaarikad
Fresh raspberries

Standard käsitleb värskelt kaubastatavate vaarikate (Rubus idaeus) kvaliteedi- ja suurusnõudeid ning kaubastamiseks ettevalmistamist, pakendamist ja märgistamist.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 711:2008
Värsked mustsõstrad
Fresh black currants

Standard käsitleb värskelt kaubastatava mustsõstra (Ribes nigrum) kvaliteedi- ja suurusnõudeid ning pakendamist ja märgistamist. Standard ei kehti töötlemiseks määratud mustsõstra kohta.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 712:2008
Värsked punased ja valged sõstrad
Fresh red and white currants

Käesoleva standardi eesmärk on määrata kindlaks punase ja valge sõstra kvaliteedinõuded kaubastamiseks ettevalmistamise ja pakendamise järel kaubapartii(de) üleandmise-vastuvõtmise ning müümise ajal.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS 713:2008
Värsked karusmarjad
Fresh gooseberries

Standard käsitleb värskelt kaubastatava karusmarja (Ribes uva-crispa) kvaliteedi- ja suurusnõudeid ning pakendamist ja märgistamist. Standard ei kehti töötlemiseks määratud karusmarjade kohta.

Keel: et
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS-EN 672:2000

Elastsed põrandakatted. Aglomereeritud korgi näivtiheduse määramine
Resilient floor coverings - Determination of apparent density of agglomerated cork

Käesolev Euroopa standard kirjeldab meetodit aglomereeritud korgi näivtiheduse määramiseks. Meetod põhineb standardil ISO 3810:1987.

Keel: en
Alusdokumendid: EN 672:1996
Tühistamisküsitluse lõppkuupäev: 04.10.2018

EVS-HD 193 S2:2003

Voltage bands for electrical installation of buildings

Applies to a.c. electrical installations of buildings supplied at a frequency not exceeding 60 Hz and at a nominal voltage up to and including 1 000 V. Defines two voltage bands: Band I covers the installations where protection against shock is provided under certain conditions by the value of voltage and the installations where the voltage is limited for operational reasons (e.g. telecommunications, signalling, bell, control and alarm installation). Band II contains the voltage for supplies to household, commercial and industrial installations. This band contains all the voltage of public distribution systems in the various countries. A basic safety publication in accordance with IEC Guide 104. Note -The voltage bands defined are intended mainly for use in connection with installation rules (see IEC 60364), but may also be used when preparing requirements for electrical equipment.

Keel: en
Alusdokumendid: IEC 60449:1973+A1:1979; HD 193 S2:1982
Tühistamisküsitluse lõppkuupäev: 04.10.2018

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Standardikeskusele 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 Standardikeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN ISO 50001:2018

Energy management systems - Requirements with guidance for use (ISO 50001:2018)

Eeldatav avaldamise aeg Eesti standardina 10.2018

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 1090-4:2018

Teras- ja alumiiniumkonstruktsioonide valmistamine. Osa 4: Tehnilised nõuded õhukesest külmvaltsplekist külmvormitud katuste, lagede, põrandate ja seinte teraselementidele
Execution of steel structures and aluminium structures - Part 4: Technical requirements for cold-formed structural steel elements and cold-formed structures for roof, ceiling, floor and wall applications

See Euroopa standard spetsifitseerib nõuded katuste, lagede, põrandate, seinte ja fassaadide külmvormitud teraskonstruktsioonide ja katteprofiilide ehitamiseks, sealhulgas tootmiseks ja paigaldamiseks. See Euroopa standard kehtib standardi EN 1993 sarja järgi projekteeritud konstruktsioonidele. See Euroopa standard kehtib standardi EN 1993-1-3 järgi projekteeritud konstruktsioonide osadele ja katteprofiilidele. Seda Euroopa standardit võib kasutada ka muude projekteerimisnõuete järgi projekteeritud konstruktsioonide puhul, eeldusel et ehitustingimused vastavad neile ja kõik vajalikud lisanõuded on spetsifitseeritud. See Euroopa standard spetsifitseerib ka nõuded valdavalt staatilise koormuse või seismilise koormuse tingimustes töötavate külmvormitud katuse-, lae-, põranda- ja seinaprofiilidest konstruktsioonide ehitamiseks, sealhulgas valmistamiseks ja paigaldamiseks ning nende dokumentatsioonile. See Euroopa standard käsitleb konstruktsiooniklasside I ja II nõudeid profiilplekile vastavalt standardile EN 1993-1-3, mida kasutatakse ehituskonstruktsioonides. See Euroopa standard käsitleb konstruktsiooniosade nõudeid vastavalt standardile EN 1993-1-3 kõikide konstruktsiooniklasside osas. Profiilpleki all mõistetakse siin: — Trapetsi, sinusoidse kujuga profileeritud plekk või kassettprofiil (joonis 1), või Konstruktsioonielementide all mõistetakse siin: — Konstruktsioonielemendid (pikiprofileeritud metallprofiilid), mis toodetakse külmvormimise teel (joonis 2). See Euroopa standard katab ka: — Mittekeevitatud liitprofiilid (joonis 2b ja 2c); — Külmvormitud õõnesprofiilid, kaasa arvatud keevitatud pikiõmblusega, mis ei ole kaetud standardiga EN 10219-1; — Perforeeritud, läbistatud ja mikroprofileeritud profiilplekid ja konstruktsioonielemendid. MÄRKUS 1 Keevitatud liitprofiilid ei ole selle standardiga kaetud, ehitusnõuded on antud standardis EN 1090-2. See Euroopa standard käsitleb ka vahekonstruktsioone välimise ja sisemise või alumise ja ülemise katuse, seina ja lae vahel, mis on tehtud külmvormitud profiilplekist ja eelpool nimetatud elementide ühendusi ja liiteid, kui kõik nimetatud elemendid toimivad koormuse ülekandmisel. See Euroopa standard käsitleb nõudeid komposiitpõrandate terasprofiilidele, sealhulgas ka paigalduse käigus ja betooni valamise staadiumis. See standard ei ole käsitle mitmekihilisi konstruktsioonielemente, kus erinevate materjalide koostoime moodustab tervikliku ehituselemendi nagu näiteks sändvitš-paneelid ja komposiitpõrandad. See Euroopa standard ei käsitle soojusisolatsiooni, niiskuskaitse, müratõkke ja tulekaitse jaoks vajalikke analüüse, projekteerimist ega ehitamisnõudeid. See Euroopa standard ei käsitle nõudeid katuste ja seinte katmiseks traditsioonilisel plekksepameetodil. Selle standardi lisa B käsitleb klausleid, mis ei ole veel lisatud standardisse EN 1993-1-3. Selle lisa juhised võib tulevikus täielikult või osaliselt asendada standardisse EN 1993 lisatavate juhistega. See Euroopa standard ei käsitle täpseid nõudeid profiilplekkide laotise veetihedusele ega õhu läbilaskvusele ja soojusjuhtivusele. MÄRKUS 2 Selles standardis käsitletud konstruktsioonid on näiteks: — Ühe- või mitmekihilised katused, kusjuures kandev profiil (alumine kiht) või tegelik katusekate (ülemine kiht) või mõlemad on tehtud külmvormitud konstruktsioonielementidest ja profiilplekist; — Ühe- või mitmekihilised seinad, kusjuures kandev profiil (sisemine kiht), tegelik fassaadikate (välimine kiht) või mõlemad on tehtud külmvormitud konstruktsioonielementidest ja profiilplekist, või — Külmvormitud konstruktsioonielementidest kandesõrestikud. MÄRKUS 3 Konstruktsioonid võivad koosneda konstruktsioonielementide koostust ja profiilplekist laotisest, mis on valmistatud terasest vastavalt standardile EN 1090-4 ja alumiiniumist vastavalt standardile EN 1090-5.

EVS-EN 1279-5:2018

Ehitusklaas. Klaaspaketid. Osa 5: Tootestandard
Glass in building - Insulating glass units - Part 5: Product standard

See dokument sisaldab hoonetes kasutatavate klaaspakettide (KP) tootestandardit. MÄRKUS 1 Tooteid, mis on ette nähtud kasutamiseks ainult esteetilistel eesmärkidel ja millele seetõttu olulised nõuded ei rakendu, ei märgistata CE-märgisega ning need ei kuulu selle Euroopa standardi käsitlusalasse. MÄRKUS 2 Elektrijuhtmeid või kontakte (nt alarm- või kütteseadmetele) sisaldavatele klaastoodetele võivad rakenduda teised direktiivid, nt madalpingedirektiiv.

EVS-EN 1279-6:2018

Ehitusklaas. Klaaspaketid. Osa 6: Tehase tootmisohje ja perioodilised katsetused
Glass in building - Insulating glass units - Part 6: Factory production control and periodic tests

See dokument kirjeldab rutiinset tehase tootmisohjet, perioodilist katsetamist ja järelevalvet ning katsemeetodeid, millega kontrollitakse klaaspakettide (KP) vastavust süsteemikirjeldusele.

EVS-EN ISO 10042:2018

Keevitus. Alumiiniumi ja selle sulamite kaarkeevitatud liited. Kvaliteeditasemed keevitusdefektide järgi
Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections (ISO 10042:2018)

Standard esitab kvaliteeditasemed keevitusdefektide järgi kaarkeevitatud alumiiniumi ja selle sulamite keevisliidetes. Standardit rakendatakse materjali paksustel üle 0,5 mm. Kolm kvaliteeditaset on esitatud selliselt, et need võimaldavad hõlmata laia valikut keevituskonstruktsioone. Kvaliteeditasemed on tähistatud tähtedega B, C ja D. Kvaliteeditase B vastab lõpetatud keevisõmbluse kõige kõrgematele nõuetele. Kvaliteeditasemed on seotud tootmise kvaliteediga, mitte nõuetega valmistatud toote

eesmärgivastavuse (fitness-for-purpose) kohta (vt jaotis 3.2). See dokument kohaldub igat tüüpi keevisõmblustele (nt põkkõmblused, nurkõmblused ja hargmikliited), manuaalsele, mehhaniseeritud ja automaatkeevitusele ning kõikidele keevitusasenditele. See kohaldub järgmistele keevitusprotsessidele: — kaarkeevitus inertgaasis (MIG-keevitus); gas metal arc welding / USA; — sulamatu elektroodiga kaarkeevitus inertgaasis (TIG-keevitus); gas tungsten arc welding / USA; — plasmakaarkeevitus. See ei kohaldu keevitamise metallurgilistele aspektidele (nt tera suurus, kõvadus).

EVS-EN ISO 14713-1:2017

Tsinkpinnakatted. Juhised ja soovitused rauapõhistest sulamitest ja terasest konstruktsioonide kaitsmiseks korrosiooni eest. Osa 1: Projekteerimise üldpõhimõtted ja korrosioonikindlus
Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 1: General principles of design and corrosion resistance (ISO 14713-1:2017)

Selles dokumendis esitatakse juhised ja soovitused selliste ehituselementide projekteerimise üldiste põhimõtete kohta, mida on korrosioonikaitse eesmärgil tsingitud, ning tsinkpinnakattega malmist ja terasest ehituselementide korrosioonikindluse tasemete kohta, nende eksponeerimisel eri keskkonnatingimustes. Esmast kaitset käsitletakse seoses: — olemasolevate standardiseeritud protsessidega; — konstruktiivsete kaalutlustega ja — kasutuskeskkondadega. See dokument kehtib tsinkpinnakatetele, mille pealekandmisel on kasutatud ühte järgmistest meetoditest: a) kuumtsinkimist (valmistootele); b) kuumtsinkimist (teraslindile); c) šerardimist ; d) termilist pihustamist; e) mehaanilist pindamist; f) elektrosadestamist. Need juhised ja soovitused ei hõlma tsinkpinnakattega terase korrosioonikaitse hooldust kasutustingimustes. Sellekohased juhised on esitatud standardites ISO 12944-5 ja ISO 12944-8. MÄRKUS On olemas palju tootestandardeid (nt naelte, kinnitite, kõrgtugevate terastorude jne), milles kasutatavatele tsinkpinnakatetele esitatavaid spetsiifilisi nõudeid selles dokumendis esitatud üldised juhised ei hõlma. Need konkreetsetele toodetele esitatavad nõuded on selliste üldiste soovituste suhtes ülemuslikud.

EVS-EN ISO 15612:2018

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Kvalifitseerimine standardse keevitusprotseduuri ülevõtmisega
Specification and qualification of welding procedures for metallic materials - Qualification by adoption of a standard welding procedure (ISO 15612:2018)

See dokument määrab — kuidas kasutaja saab järgida teise organisatsiooni läbi viidud keevitusprotseduuri kvalifitseerimise katsetel põhinevat standardset keevitusprotseduuri spetsifikaati (SWPS); — vahemiku SWPS-i kasutamiseks ISO 15607 kohaselt; — nõuded nende keevitusprotseduuride kvalifitseerimiseks, mis antakse välja kui SWPS-id, ja — nõuded organisatsioonidele, mis võtavad kasutusse SWPS-id. Selle standardi kasutamist võib piirata rakendusstandard või spetsifikatsioon. See dokument on rakendatav teraste ja alumiiniumi ning selle sulamite keevitamisel (vt 4.1). Kõik uued standardsed keevitusprotseduuri kvalifitseerimised tuleb läbi viia selle dokumendi kohaselt alates selle väljaandmise päevast. Sellegipoolest, see dokument ei muuda kehtetuks eelnevaid standardseid keevitusprotseduuri kvalifitseerimisi, mis on tehtud endiste standardite, spetsifikatsioonide või selle dokumendi varasemate väljaannete kohaselt.

EVS-EN ISO 1716:2018

Toodete tuletundlikkuse katsed. Ülemise põlemissoojuse määramine (küttevääртus)
Reaction to fire tests for products - Determination of the gross heat of combustion (calorific value) (ISO 1716:2018)

See dokument määratleb meetodi materjalide ülemise küttevääртuse (QPCS) määramiseks pommkalorimeetris konstantse ruumala juures. Antud meetod rakendub tahketele materjalidele. MÄRKUS Vedelike katsetamiseks võib kasutada sarnast meetodit, mille katsetingimused on kirjeldatud dokumentides ASTM D240 [1] ja IEC 61039 [2], kasutades katseks ISO 1928 [3] aparatuuri. Juhul kui on nõutud, määratleb tarbimisaine küttevääртuse arvutamist (QPCI) lisa A. Informatsioon katsemeetodi täpsuse kohta on antud lisas B.

EVS-EN ISO 18593:2018

Toiduahela mikrobioloogia. Pinnaproovide võtmise horisontaalmeetodid
Microbiology of the food chain - Horizontal methods for surface sampling (ISO 18593:2018)

See dokument määratleb toiduahela keskkonna pindadelt proovivõtu tehnikate horisontaalmeetodid eesmärgiga avastada ja loetleda kultiveeritavaid mikroorganisme, nagu näiteks patogeenseid või mittepatogeenseid baktereid või pärm- ja hallitusseeni, kasutades selleks kontaktplaate, tampoone, käsnu ja lappe. MÄRKUS Termin „keskkond“ tähendab igat kokkupuutepunkti toiduga või esindab tõenäolise saastumise või korduva saastumise allikat; näiteks materjali, ruume või töötajaid. See dokument ei rakendu puhastus- ja desinfektsiooniprotseduuride valideerimisele. See dokument ei rakendu esmatootmise proovide proovivõtutehnikatele, mis on kaetud standardiga ISO 13307. Proovivõtutehnikaid rümpadelt hõlmab standard ISO 17604. Proovivõtutehnikaid noroviiruste ja A-hepatiit viiruste analüüsiks hõlmab standard ISO 15216-1. See dokument ei anna soovitusi proovivõtmise sageduse, proovivõtukohtade arvu või proovivõtukohtade vaheldumise vajaduse kohta, kuna need valitakse iga üksikjuhtumi puhul eraldi.

EVS-EN ISO 19011:2018

Juhtimissüsteemi auditeerimise juhised
Guidelines for auditing management systems (ISO 19011:2018)

See dokument annab juhiseid juhtimissüsteemi auditeerimise kohta, sh auditeerimise põhimõtete, auditi programmide juhtimise ja juhtimissüsteemi auditite tegemise kohta, samuti juhiseid auditi protsessiga haaratud isikute kompetentsuse hindamise kohta.

Nende tegevuste hulka kuuluvad auditi programmi juhtiv(ad) isik(ud), audiitorid ja auditirühmad. See on kohaldatav kõikides organisatsioonides, kus on vaja kavandada ja teha juhtimissüsteemi sisemisi või väliseid auditeid või juhtida auditi programmi. Selle dokumendi kohaldamine muud tüüpi auditites on võimalik, eeldades, et pööratakse erilist tähelepanu vajatava spetsiifilise kompetentsi kindlakstegemisele.

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 ISO 14713-1:2017	Zinc coatings - Guidelines and recommendations for the protection against corrosion of iron and steel in structures - Part 1: General principles of design and corrosion resistance (ISO 14713-1:2017)	Tsinkpinnakatted. Juhised ja soovitused rauapõhistest sulamitest ja terasest konstruktsioonide kaitsmiseks korrosiooni eest. Osa 1: Projekteerimise üldpõhimõtted ja korrosioonikindlus
EVS-EN ISO 19011:2018	Guidelines for auditing management systems (ISO 19011:2018)	Juhtimissüsteemi auditeerimise juhised