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ESTONIAN CENTRE FOR STANDARDISATION

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EVS TEATAJA

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

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Standardipealkirjade muutmine

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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 14511-1:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 1: Terminid ja määratlused
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

This European Standard specifies the terms and definitions for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and/or cooling. It also specifies the terms and definitions for the rating and performance of process chillers. This European Standard does not apply to heat pumps for domestic hot water, although certain definitions can be applied to these. This European Standard applies to: - factory-made units that can be ducted, - factory-made liquid chilling packages with integral condensers or for use with remote condensers, - factory-made units of either fixed capacity or variable capacity by any means, and - air-to-air air conditioners which can also evaporate the condensate on the condenser side. Packaged units, single split and multisplit systems are covered by this standard. Single duct and double duct units are covered by the standard. In the case of units consisting of several parts, this European Standard applies only to those designed and supplied as a complete package, except for liquid chilling packages with remote condenser. This European Standard is primarily intended for water and brine chilling packages but can be used for other liquid subject to agreement. The units having their condenser cooled by air and by the evaporation of external additional water should have their performance in the cooling mode determined in accordance to EN 15218. For those which can also operate in the heating mode, the EN 14511 series applies for the determination of their performance in the heating mode. NOTE 1 Part load testing of units is dealt with in EN 14825. NOTE 2 All the symbols given in this text are used regardless of the language.

Keel: en
Alusdokumendid: EN 14511-1:2018
Asendab dokumenti: EVS-EN 14511-1:2013

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

CEN/TR 17223:2018

Guidance on the relationship between EN ISO 13485: 2016 (Medical devices - Quality management systems - Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

This Technical Report provides guidance on the relationship between the requirements in the European Regulations for Medical Device and In Vitro Diagnostic Medical Devices and EN ISO 13485:2016 - Medical devices - Quality management systems - Requirements for regulatory purposes.

Keel: en
Alusdokumendid: CEN/TR 17223:2018

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 11133:2014/A1:2018

Toidu, loomasööda ja vee mikrobioloogia. Söötmete ettevalmistamine, valmistamine, säilitamine ja toimivuse kontrollimine. Muudatus 1
Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media - Amendment 1 (ISO 11133:2014/Amd 1:2018)

Muudatus standardile EVS-EN ISO 11133:2014.

Keel: en, et
Alusdokumendid: ISO 11133:2014/Amd 1:2018; EN ISO 11133:2014/A1:2018
Muudab dokumenti: EVS-EN ISO 11133:2014

EVS-EN ISO 11133:2014+A1:2018

Toidu, loomasööda ja vee mikrobioloogia. Söötmete ettevalmistamine, valmistamine, säilitamine ja toimivuse kontrollimine
Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media (ISO 11133:2014, Corrected version 2014-11-01 + ISO 11133:2014/Amd 1:2018)

See rahvusvaheline standard määratleb söötmete kvaliteedi tagamisega seotud terminid ja esitab üksikasjalikult toidu, loomasööda ning toidu või sööda tootmise keskkonnast ning tarbimiseks mõeldud või toidu tootmiseks kasutatavast veest võetud proovide mikrobioloogiliseks analüüsimiseks kasutatavate söötmete ettevalmistamiseks kohaldatavad nõuded. Neid nõudeid kohaldatakse kõikidele söötmete kategooriatele, mis on valmistatud kasutamiseks mikrobioloogilisi analüüse tegevates

laboratooriumites. Selles dokumendis määratakse ka kriteeriumid ja kirjeldatakse söötmete toimivuskontrolli meetodeid. See dokument on rakendatav valmissöötmete lõppkasutajatele ning sellistele tootjatele nagu — äriühingutele, kes toodavad ja/või turustavad kasutusvalmis või poolvalmis taastatavaid või dehüdreeritud söötmeid; — mitteäriühingutele, kes tarnivad söötmeid kolmandatele osapooltele, ja — söötmeid oma tarbeks valmistavatele mikrobioloogialaboritele.

Keel: en, et
Alusdokumendid: EN ISO 11133:2014; ISO 11133:2014; EN ISO 11133:2014/A1:2018; ISO 11133:2014/Amd 1:2018
Konsolideerib dokumenti: EVS-EN ISO 11133:2014
Konsolideerib dokumenti: EVS-EN ISO 11133:2014/A1:2018

11 TERVISEHOOLDUS

CEN/TR 17223:2018

Guidance on the relationship between EN ISO 13485: 2016 (Medical devices - Quality management systems - Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

This Technical Report provides guidance on the relationship between the requirements in the European Regulations for Medical Device and In Vitro Diagnostic Medical Devices and EN ISO 13485:2016 - Medical devices - Quality management systems - Requirements for regulatory purposes.

Keel: en
Alusdokumendid: CEN/TR 17223:2018

EVS-EN ISO 13408-2:2018

Tervishoiutoodete aseptiline töötlemine. Osa 2: Steriliseeriv filtreerimine
Aseptic processing of health care products - Part 2: Sterilizing filtration (ISO 13408-2:2018)

ISO 13408-2:2018 specifies requirements for sterilizing filtration as part of aseptic processing of health care products conducted in accordance with ISO 13408-1. It also offers guidance to filter users concerning general requirements for set-up, validation and routine operation of a sterilizing filtration process. ISO 13408-2:2018 is not applicable to removal of viruses. Sterilizing filtration is not applicable to fluids that intentionally contain particles larger than the pore size of the filter (e.g. bacterial whole-cell vaccines). ISO 13408-2:2018 is not applicable to high efficiency particulate air (HEPA) filters. ISO 13408-2:2018 does not specify requirements for the development, validation and routine control of a process for removing the causative agents of spongiform encephalopathies such as scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease. Specific recommendations have been produced in particular countries for the processing of materials potentially contaminated with these agents.

Keel: en
Alusdokumendid: ISO 13408-2:2018; EN ISO 13408-2:2018
Asendab dokumenti: EVS-EN ISO 13408-2:2011

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS 812-3:2018

Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Selles Eesti standardis käsitletakse hoonete kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel: et
Asendab dokumenti: EVS 812-3:2013
Asendab dokumenti: EVS 812-3:2013/A1:2015
Asendab dokumenti: EVS 812-3:2013/AC:2013
Asendab dokumenti: EVS 812-3:2013/AC:2014
Asendab dokumenti: EVS 812-3:2013+A1:2015

EVS-EN 1568-3:2018

Tulekustutusained. Vahuained. Osa 3: Madalkordsed vahuained veega mitteseguneva te põlevvedelike kustutamiseks
Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids

This European Standard specifies requirements for chemical and physical properties, and minimum performance requirements of low expansion foams suitable for surface application to water-immiscible liquids. Requirements are also given for marking. WARNING - Any type approval according to this standard is invalidated by any change in composition of the approved product. Some concentrates conforming to this part of EN 1568 can also conform to other parts and therefore can also be suitable for application as medium and/or high expansion foams, and for application at low expansion to water-miscible liquids.

Keel: en
Alusdokumendid: EN 1568-3:2018
Asendab dokumenti: EVS-EN 1568-3:2008
Asendab dokumenti: EVS-EN 1568-3:2008/AC:2010

EVS-EN 16785-2:2018

Bio-based products - Bio-based content - Part 2: Determination of the bio-based content using the material balance method

This part of EN 16785 specifies a method of determining the bio-based content in products using the material balance applied to a representative product batch in a production unit. This European Standard is applicable to any solid, liquid and gaseous bio-based product containing carbon, obtained by chemical synthesis, mixing or assembling, provided that: - for a product batch, the composition of the product and the bio-based content of each input, output and loss in the production unit are known; and - the bio-based content of the product is verifiable by analysis. This method incorporates only the physical parts of the input and output stream as present in the final product, and does not incorporate material inputs for the energy to be used during the production process. This method is not needed for the determination of the bio-based content in natural products wholly derived from biomass.

Keel: en
Alusdokumendid: EN 16785-2:2018

EVS-EN 81-58:2018

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Kontrollimine ja katsed. Osa 58: Liftiuste tulekindlustest
Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test

This European Standard specifies the method of test for determining the fire resistance of lift landing doors which may be exposed to a fire from the landing side. The procedure applies to all types of lift landing doors used as a means of access to lifts in buildings and which are intended to provide a fire barrier to the spread of fire via the lift well. The procedure allows for the measurement of integrity and if required the measurement of radiation and thermal insulation. No requirements other than the verification that the specimen is operational are included for mechanical conditioning before the test as these are included in the relevant product standard.

Keel: en
Alusdokumendid: EN 81-58:2018
Asendab dokumenti: EVS-EN 81-58:2003

EVS-EN ISO 17892-8:2018

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)

This document specifies a method for unconsolidated undrained triaxial compression tests. This document is applicable to the laboratory determination of undrained triaxial shear strength under compression loading within the scope of geotechnical investigations. The cylindrical specimen, which can comprise undisturbed, re-compacted, remoulded or reconstituted soil, is subjected to an isotropic stress under undrained conditions and thereafter is sheared under undrained conditions. The test allows the determination of shear strength and stress-strain relationships in terms of total stresses. Non-standard procedures such as tests with the measurement of pore pressure or tests with filter drains are not covered in this document. NOTE This document fulfils the requirements of unconsolidated undrained triaxial compression tests for geotechnical investigation and testing in accordance with EN 1997-1 and EN 1997-2.

Keel: en
Alusdokumendid: EN ISO 17892-8:2018; ISO 17892-8:2018
Asendab dokumenti: CEN ISO/TS 17892-8:2004

EVS-EN ISO 21904-3:2018

Health and safety in welding and allied processes - Requirements, testing and marking of equipment for air filtration - Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices (ISO 21904-3:2018)

ISO 21904-3:2018 defines a laboratory method for measuring the welding fume capture efficiency of on-torch extraction systems. The procedure only prescribes a methodology, leaving selection of the test parameters to the user, so that the effect of different variables can be evaluated. ISO 21904-3:2018 is applicable to integrated on-torch systems and to systems where a discrete extraction system is attached to the welding torch close to the arc area. The methodology is suitable for use with all continuous wire welding processes, all material types and all welding parameters. The method can be used to evaluate the effects of variables such as extraction flow rate, extract nozzle position, shielding gas flow rate, welding geometry, welding torch angle, fume emission rate, etc., on capture efficiency.

Keel: en
Alusdokumendid: ISO 21904-3:2018; EN ISO 21904-3:2018

EVS-ISO 45001:2018

Töötervishoiu ja tööohutuse juhtimissüsteemid. Nõuded koos kasutusjuhistega
Occupational health and safety management systems - Requirements with guidance for use (ISO 45001:2018, identical)

See dokument määrab kindlaks nõuded töötervishoiu ja tööohutuse (TTO) juhtimissüsteemile ja annab juhised, kuidas seda kasutada, et võimaldada organisatsioonidel pakkuda ohutuid ja tervislikke töökohti, ennetades tööga seonduvaid vigastusi ja tervisekahjustusi, samuti nagu proaktiivselt parendades organisatsiooni TTO-alast tulemuslikkust. Seda dokumenti kohaldatakse kõikide organisatsioonide suhtes, kes soovivad seada sisse, viia ellu ja hoida toimivana TTO juhtimissüsteemi, et parandada töötervishoidu ja tööohutust, kõrvaldada ohte ja minimeerida TTO riske (sealhulgas süsteemi vajakajäämisi), kasutada TTO

võimalusi ja käsitleda oma tegevusega seotud TTO juhtimissüsteemi mittevastavusi. See dokument aitab organisatsioonil saavutada TTO juhtimissüsteemi kavatsetud väljundeid. TTO juhtimissüsteemi kavatsetavad väljundid, mis on kooskõlas organisatsiooni TTO-alaste juhtpõhimõtetega, hõlmavad järgmist: a) TTO-alase tulemuslikkuse järjepidev parendamine; b) õigusaktide jm nõuete täitmine; c) TTO-alaste eesmärkide saavutamine. See dokument on kohaldatav kõikidele organisatsioonidele nende suurusest, tüübist ja olemusest sõltumata. See kohaldub TTO riskidele, mida organisatsioon võib ohjata, võttes arvesse selliseid tegureid nagu kontekst, milles organisatsioon toimib, ning töötajate ja teiste huvipoolte vajadused ning ootused. See dokument ei esita eriomaseid kriteeriume ei TTO-alasele tulemuslikkusele ega kirjuta ette TTO juhtimissüsteemi ülesehitust. See dokument võimaldab organisatsioonil oma TTO juhtimissüsteemi kaudu lõimida tervise ja ohutuse muud aspektid, näiteks töötajate hea olemise / heaolu. Selles dokumendis ei käsitleta selliseid küsimusi nagu tooteohutus, varakahjustus või keskkonnamõjud väljaspool nendega seonduvaid ohtusid töötajatele ja teistele huvipooltele. Seda dokumenti võib kasutada tervikuna või osaliselt selleks, et TTO juhtimist süstemaatiliselt parendada. Selle dokumendiga vastavuses olekut ei saa siiski kinnitada, kuni kõik selle nõuded ei ole hõlmatud organisatsiooni TTO juhtimissüsteemiga ja täidetud ilma välistusteta.

Keel: et-en
Alusdokumendid: ISO 45001:2018
Asendab dokumenti: EVS 18001:2007
Asendab dokumenti: EVS 18002:2009

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 50496:2018

Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site

This European standard provides methods for assessing compliance with the requirements of the Directive 2013/35/EU] at a site operating one or more broadcast transmitters. This standard covers the frequency range up to 40 GHz. NOTE The Council and European Parliament Directive 2013/35/EU will be transposed into national legislation in all the EU member countries. Users of this standard shall consult the national legislation related to this transposition in order to identify the national regulations and requirements. These national regulations and requirements can have additional requirements that are not covered by this standard.

Keel: en
Alusdokumendid: EN 50496:2018
Asendab dokumenti: EVS-EN 50496:2008

EVS-EN IEC 60051-5:2018

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 5: Erinõuded faasimõõturitele, võimsusteguri mõõturitele ja sünkronoskoopidele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 5: Special requirements for phase meters, power factor meters and synchroscopes

IEC 60051-5:2017 applies to direct acting indicating phase meters, power factor meters and synchroscopes having an analogue display. This document also applies to non-interchangeable accessories (as defined in 3.1.23 of IEC 60051-1:2016) used with phase meters, power factor meters and synchroscopes. This document also applies to a phase meter or power factor meter whose scale marks do not correspond directly to its electrical input quantity, provided that the relationship between them is known. This fifth edition cancels and replaces the fourth edition published in 1985. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items.

Keel: en
Alusdokumendid: IEC 60051-5:2017; EN IEC 60051-5:2018
Asendab dokumenti: EVS-EN 60051-5:2001

EVS-EN IEC 60051-6:2018

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 6: Erinõuded oommeetritele, impedantsimõõturitele ja juhtivusmõõturitele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters

IEC 60051-6:2017 applies to direct acting indicating analogue electrical measuring ohmmeters (impedance meters) and conductance meters. This document also applies to some non-interchangeable accessories of ohmmeters (impedance meters) and conductance meters. This fifth edition cancels and replaces the fourth edition published in 1984. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items.

Keel: en
Alusdokumendid: IEC 60051-6:2017; EN IEC 60051-6:2018
Asendab dokumenti: EVS-EN 60051-6:2001

EVS-EN IEC 60051-7:2018

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 7: Erinõuded multifunktsionaalsetele mõõteriistadele

Direct acting indicating analogue electrical measuring instruments and their accessories - Part 7: Special requirements for multi-function instruments

IEC 60051-7:2017 applies to multi-function analogue instruments. This document also applies to non-interchangeable accessories (as defined in 3.1.23 of IEC 60051-1:2016) used with multi-function analogue instruments. This fifth edition cancels and replaces the fourth edition published in 1984. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items.

Keel: en
Alusdokumendid: IEC 60051-7:2017; EN IEC 60051-7:2018
Asendab dokumenti: EVS-EN 60051-7:2001

EVS-EN IEC 60051-8:2018

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 8: Erinõuded lisaseadistele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 8: Special requirements for accessories

IEC 60051-8:2017 applies to accessories as defined in 3.1.20 of IEC 60051-1:2016. This fifth edition cancels and replaces the fourth edition published in 1984. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items.

Keel: en
Alusdokumendid: IEC 60051-8:2017; EN IEC 60051-8:2018
Asendab dokumenti: EVS-EN 60051-8:2001

EVS-EN IEC 61340-4-3:2018

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

IEC 61340-4-3:2017 describes a test method for determining the electrical resistance of footwear (shoes, slippers or booties) used in the control of electrostatic potential on people. This document is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as a qualification test or an acceptance test for new footwear, or as a periodic test of in-use footwear. Although this document does not include requirements for personal safety, footwear used within the scope of this document in all places of work is regulated by the relevant local statutory requirements regarding the health and safety of all persons. Insulating footwear is not included within the scope of this document although the electrical resistance measurement techniques can be applicable. This edition includes the following significant technical changes with respect to the previous edition: a) classification of footwear as electrostatic conductive or electrostatic dissipative has been removed – classification is not specified; b) environmental classes for laboratory testing have been removed – one set of conditions for pre-conditioning, conditioning and testing is specified; c) reference to IEC 61340-2-3 for measuring the resistance of the counter electrode inserted inside footwear has been removed.

Keel: en
Alusdokumendid: IEC 61340-4-3:2017; EN IEC 61340-4-3:2018
Asendab dokumenti: EVS-EN 61340-4-3:2003

EVS-EN IEC 61340-4-5:2018

Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person

IEC 61340-4-5:2018 specifies test methods for evaluating electrostatic protection provided by a system of footwear and flooring in combination with a person. Test results are valid only for the specific footwear and flooring combination tested. The test methods are not intended for individual product qualification purposes. This edition includes the following significant technical changes with respect to the previous edition: a) normative references have been updated; b) Figure 2 has been improved and expanded to include actual examples of body voltage recordings, and text has been added to explain how to interpret recordings; c) an alternative walking pattern has been added in an informative annex.

Keel: en
Alusdokumendid: IEC 61340-4-5:2018; EN IEC 61340-4-5:2018
Asendab dokumenti: EVS-EN 61340-4-5:2004

EVS-EN IEC 61869-10:2018

Instrument transformers - Part 10: Additional requirements for low-power passive current transformers

IEC 61869-10:2017 is a product standard and covers only additional requirements for low-power passive current transformers. The product standard for low-power passive current transformers comprises IEC 61869-1, together with IEC 61869-6 and this document with specific requirements. This document is applicable to newly manufactured low-power passive current transformers with analogue output for use with electrical measuring instruments or electrical protective devices having a rated frequency from 15 Hz to 100 Hz. This document covers low-power passive current transformers used for measurement or protection and multi-purpose low-power passive current transformers used for both measurement and protection. This first edition of IEC 61869-10, together with IEC 61869-1, IEC 61869-6, IEC 61869-8 and IEC 61869-9, cancels and replaces the first edition of IEC 60044-8, published in 2002. This edition constitutes a technical revision. The technical changes concern IEC TC 38's decision to restructure

the whole set of stand-alone standards in the IEC 60044 series and transform it into a new set of standards composed of general requirements documents and specific requirements documents.

Keel: en
Alusdokumendid: IEC 61869-10:2017; EN IEC 61869-10:2018

EVS-EN IEC 61869-11:2018

Instrument transformers - Part 11: Additional requirements for low-power passive voltage transformers

IEC 61869-11:2017 is a product standard and covers only additional requirements for low-power passive voltage transformers (passive LPVT). The product standard for low-power passive voltage transformers is composed of IEC 61869-1, along with IEC 61869-6 and this document with specific requirements. This document is applicable to newly manufactured low-power passive voltage transformers with analogue output having rated frequencies from 15 Hz to 100 Hz for use with electrical measuring instruments or electrical protective devices. This document covers low-power passive voltage transformers used for measurement or protection and low-power passive voltage transformers used for both measurement and protection. Low-power passive voltage transformers have analogue output only (for digital output or for technology using any kind of active electronic components refer to future IEC 61869-7). Such low-power passive voltage transformers can include the secondary signal cable (transmitting cable). The secondary voltage of the low-power passive voltage transformer is proportional to the primary voltage. Derivative output signals are not within the scope of this document. This first edition of IEC 61869-11, together with IEC 61869-1 and IEC 61869-6, cancels and replaces the relevant clauses or subclauses of the first edition of IEC 60044-7, published in 1999 and the first edition of IEC 60044-8, published in 2002. This edition constitutes a technical revision.

Keel: en
Alusdokumendid: IEC 61869-11:2017; EN IEC 61869-11:2018

EVS-EN IEC 62631-3-11:2018

Dielectric and resistive properties of solid insulating materials - Part 3-11: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity - Method for impregnation and coating materials

IEC 62631-3-11:2018 covers a method of test for the determination of volume resistance and volume resistivity of electrical insulation materials by applying DC voltage. It covers the materials described in IEC 60455-3-5, IEC 60464-3-1, IEC 60464-3-2 and similar products.

Keel: en
Alusdokumendid: IEC 62631-3-11:2018; EN IEC 62631-3-11:2018

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 11296-1:2018

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2018)

ISO 11296-1:2018 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of 0,5 bar[1]. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to the existing pipeline or any non-structural sprayed coatings or annular filler. ISO 11296-1:2018 gives the general requirements common to all relevant renovation techniques. [1] 1 bar = 0,1 MPa = 0,1 N/mm2 = 105 N/m2.

Keel: en
Alusdokumendid: ISO 11296-1:2018; EN ISO 11296-1:2018
Asendab dokumenti: EVS-EN ISO 11296-1:2011

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 61804-2:2018

Function blocks (FB) for process control and electronic device description language (EDDL) - Part 2: Specification of FB concept

IEC 61804-2:2018 specifies FB (function blocks) by using the result of a harmonization work as regards several elements. a) The device model which defines the components of an IEC 61804-2 conformant device. b) Conceptual specifications of FBs for measurement, actuation and processing. This includes general rules for the essential features to support control, whilst avoiding details which stop innovation as well as specialization for different industrial sectors. c) The electronic device description (EDD) technology, which enables the integration of real product details using the tools of the engineering life cycle. This third edition cancels and replaces the second edition published in 2006 and integrates parts of IEC 61804-1 which was withdrawn in January 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) added command communication mapping in Clause 8; b) moved and reword compatibility level definition from IEC 62804-1 to new Annex B and terms and definitions; c) added proxy concept in new Annex C.

Keel: en
Alusdokumendid: IEC 61804-2:2018; EN IEC 61804-2:2018
Asendab dokumenti: EVS-EN 61804-2:2007

EVS-EN IEC 62443-4-1:2018

Security for industrial automation and control systems - Part 4-1: Secure Product Development Lifecycle Requirements

IEC 62443-4:2018(E) specifies the process requirements for the secure development of products used in industrial automation and control systems. This specification is part of a series of standards that addresses the issue of security for industrial automation and control systems (IACS). IEC 62443-4 defines secure development life-cycle (SDL) requirements related to cyber security for products intended for use in the industrial automation and control systems environment and provides guidance on how to meet the requirements described for each element. The life-cycle description includes security requirements definition, secure design, secure implementation (including coding guidelines), verification and validation, defect management, patch management and product end-of-life. These requirements can be applied to new or existing processes for developing, maintaining and retiring hardware, software or firmware. Note that these requirements only apply to the developer and maintainer of the product, and are not applicable to the integrator or the user of the product. A summary list of the requirements is provided in Annex B.

Keel: en
Alusdokumendid: IEC 62443-4-1:2018; EN IEC 62443-4-1:2018

EVS-EN ISO 10215:2018

Anodizing of aluminium and its alloys - Visual determination of image clarity of anodic oxidation coatings - Chart scale method (ISO 10215:2018)

ISO 10215:2018 specifies a visual method for determining the image clarity of anodic oxidation coatings on aluminium and its alloys, using a chart scale and a lightness scale, which are defined. The method is applicable only to flat surfaces that can reflect the image of the chart scale pattern.

Keel: en
Alusdokumendid: ISO 10215:2018; EN ISO 10215:2018
Asendab dokumenti: EVS-EN ISO 10215:2010

EVS-EN ISO 2081:2018

Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel (ISO 2081:2018)

ISO 2081:2018 specifies requirements for electroplated coatings of zinc with supplementary treatments on iron or steel. It includes information to be supplied by the purchaser to the electroplater, and the requirements for heat treatment before and after electroplating. ISO 2081:2018 is not applicable to zinc coatings applied - to sheet, strip or wire in the non-fabricated form, - to close-coiled springs, or - for purposes other than protective or decorative. ISO 2081:2018 does not specify requirements for the surface condition of the basis metal prior to electroplating with zinc. However, defects in the surface of the basis metal can adversely affect the appearance and performance of the coating. The coating thickness that can be applied to threaded components can be limited by dimensional requirements, including class or fit.

Keel: en
Alusdokumendid: ISO 2081:2018; EN ISO 2081:2018
Asendab dokumenti: EVS-EN ISO 2081:2009

EVS-EN ISO 21904-3:2018

Health and safety in welding and allied processes - Requirements, testing and marking of equipment for air filtration - Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices (ISO 21904-3:2018)

ISO 21904-3:2018 defines a laboratory method for measuring the welding fume capture efficiency of on-torch extraction systems. The procedure only prescribes a methodology, leaving selection of the test parameters to the user, so that the effect of different variables can be evaluated. ISO 21904-3:2018 is applicable to integrated on-torch systems and to systems where a discrete extraction system is attached to the welding torch close to the arc area. The methodology is suitable for use with all continuous wire welding processes, all material types and all welding parameters. The method can be used to evaluate the effects of variables such as extraction flow rate, extract nozzle position, shielding gas flow rate, welding geometry, welding torch angle, fume emission rate, etc., on capture efficiency.

Keel: en
Alusdokumendid: ISO 21904-3:2018; EN ISO 21904-3:2018

EVS-EN ISO 7668:2018

Anodizing of aluminium and its alloys - Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees (ISO 7668:2018)

ISO 7668:2018 specifies methods for the measurement of specular reflectance and specular gloss of flat samples of anodized aluminium using geometries of 20° (Method A), 45° (Method B), 60° (Method C) and 85° (Method D); and of specular reflectance by an additional 45° method (Method E) employing a narrow acceptance angle. The methods described are intended mainly for use with clear anodized surfaces. They can be used with colour-anodized aluminium, but only with similar colours.

Keel: en
Alusdokumendid: ISO 7668:2018; EN ISO 7668:2018
Asendab dokumenti: EVS-EN ISO 7668:2010

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 14511-1:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 1: Terminid ja määratlused
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

This European Standard specifies the terms and definitions for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and/or cooling. It also specifies the terms and definitions for the rating and performance of process chillers. This European Standard does not apply to heat pumps for domestic hot water, although certain definitions can be applied to these. This European Standard applies to: - factory-made units that can be ducted, - factory-made liquid chilling packages with integral condensers or for use with remote condensers, - factory-made units of either fixed capacity or variable capacity by any means, and - air-to-air air conditioners which can also evaporate the condensate on the condenser side. Packaged units, single split and multisplit systems are covered by this standard. Single duct and double duct units are covered by the standard. In the case of units consisting of several parts, this European Standard applies only to those designed and supplied as a complete package, except for liquid chilling packages with remote condenser. This European Standard is primarily intended for water and brine chilling packages but can be used for other liquid subject to agreement. The units having their condenser cooled by air and by the evaporation of external additional water should have their performance in the cooling mode determined in accordance to EN 15218. For those which can also operate in the heating mode, the EN 14511 series applies for the determination of their performance in the heating mode. NOTE 1 Part load testing of units is dealt with in EN 14825. NOTE 2 All the symbols given in this text are used regardless of the language.

Keel: en
Alusdokumendid: EN 14511-1:2018
Asendab dokumenti: EVS-EN 14511-1:2013

EVS-EN 14511-2:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 2: Katsetingimused
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions

1.1 The scope of EN 14511-1 is applicable. 1.2 This European Standard specifies the test conditions for the rating of air conditioners, liquid chilling packages and heat pumps, using either, air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and/or cooling. The standard also specifies the test conditions for the rating of air-cooled and water(brine)-cooled process chillers. 1.3 This European Standard specifies the conditions for which performance data is to be declared for single duct and double duct units for compliance to the Ecodesign Regulation 206/2012 and Energy Labelling Regulation 626/2011.

Keel: en
Alusdokumendid: EN 14511-2:2018
Asendab dokumenti: EVS-EN 14511-2:2013

EVS-EN 14511-3:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 3: Katsemeetodid
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods

1.1 The scope of EN 14511-1 is applicable. 1.2 This European Standard specifies the test methods for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and cooling. These test methods also apply for the rating and performance of process chillers. It also specifies the method of testing and reporting for heat recovery capacities, system reduced capacities and the capacity of individual indoor units of multisplit systems, where applicable. This European Standard also makes possible to rate multisplit and modular heat recovery multisplit systems by rating separately the indoor and outdoor units.

Keel: en
Alusdokumendid: EN 14511-3:2018
Asendab dokumenti: EVS-EN 14511-3:2013

EVS-EN 14511-4:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 4: Nõuded
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements

1.1 The scope of EN 14511-1 is applicable, with the exception of process chillers. 1.2 This European Standard specifies minimum operating requirements which ensure that air conditioners, heat pumps and liquid chilling packages using either air, water or brine as heat transfer media, with electrical driven compressors are fit for the use designated by the manufacturer when used for space heating and/or cooling.

Keel: en

Alusdokumendid: EN 14511-4:2018
Asendab dokumenti: EVS-EN 14511-4:2013

29 ELEKTROTEHNIKA

CLC/TS 50654-1:2018

HVDC Grid Systems and connected Converter Stations - Guideline and Parameter Lists for Functional Specifications - Part 1: Guidelines

1.1 General These Guidelines and Parameter Lists to Functional Specifications describe specific functional requirements for HVDC Grid Systems. The terminology "HVDC Grid Systems" is used here describing HVDC systems for power transmission having more than two converter stations connected to a common d.c. circuit. While this document focuses on requirements, that are specific for HVDC Grid Systems, some requirements are considered applicable to all HVDC systems in general, i.e. including point-to-point HVDC systems. Existing IEC, Cigré or other documents relevant have been used for reference as far as possible. Corresponding to electric power transmission applications, this document is applicable to high voltage systems, i.e. .only nominal d.c. voltages equal or higher than 50 kV with respect to earth are considered in this document. NOTE While the physical principles of d.c. networks are basically voltage independent, the technical options for designing equipment get much wider with lower d.c. voltage levels, e.g. in case of converters or switchgear. Both parts have the same outline and headlines to aid the reader. 1.2 About the Present Release The present release of the Guidelines and Parameter Lists for Functional Specifications describes technical guidelines and specifications for HVDC Grid Systems which are characterized by having exactly one single connection between two converter stations, often referred to as radial systems. When developing the requirements for radial systems, care is taken not to build up potential show-stoppers for meshed systems. Meshed HVDC Grid Systems can be included into this specification at a later point in time. The Guidelines and Parameter List to the Functional Specification of HVDC Grid Systems cover technical aspects of - Coordination of HVDC Grid and a.c. Systems - HVDC Grid System Characteristics - HVDC Grid System Control - HVDC Grid System Protection - Models and Validation - Beyond the present scope, the following aspects are proposed for future work: - AC/DC converter stations - HVDC Grid System Equipment - HVDC Grid System Integration Tests

Keel: en
Alusdokumendid: CLC/TS 50654-1:2018

CLC/TS 50654-2:2018

HVDC Grid Systems and connected Converter Stations - Guideline and Parameter Lists for Functional Specifications - Part 2: Parameter Lists

1.1 General These Guidelines and Parameter Lists to Functional Specifications describe specific functional requirements for HVDC Grid Systems. The terminology "HVDC Grid Systems" is used here describing HVDC systems for power transmission having more than two converter stations connected to a common d.c. circuit. While this document focuses on requirements, that are specific for HVDC Grid Systems, some requirements are considered applicable to all HVDC systems in general, i.e. including point-to-point HVDC systems. Existing IEC, Cigré or other documents relevant have been used for reference as far as possible. Corresponding to electric power transmission applications, this document is applicable to high voltage systems, i.e. .only nominal d.c. voltages equal or higher than 50 kV with respect to earth are considered in this document. NOTE While the physical principles of d.c. networks are basically voltage independent, the technical options for designing equipment get much wider with lower d.c. voltage levels, e.g. in case of converters or switchgear. Both parts have the same outline and headlines to aid the reader. 1.2 About the present release The present release of the Guidelines and Parameter Lists for Functional Specifications describes technical guidelines and specifications for HVDC Grid Systems which are characterized by having exactly one single connection between two converter stations, often referred to as radial systems. When developing the requirements for radial systems, care is taken not to build up potential show-stoppers for meshed systems. Meshed HVDC Grid Systems can be included into this specification at a later point in time. The Guidelines and Parameter List to the Functional Specification of HVDC Grid Systems cover technical aspects of - Coordination of HVDC Grid and a.c. Systems - HVDC Grid System Characteristics - HVDC Grid System Control - HVDC Grid System Protection - Models and Validation - Beyond the present scope, the following aspects are proposed for future work: - AC/DC converter stations - HVDC Grid System Equipment - HVDC Grid System Integration Tests

Keel: en
Alusdokumendid: CLC/TS 50654-2:2018

EVS-EN 50588-2:2018

Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV - Part 2: Transformers with cable boxes on the high-voltage and/or low-voltage side - General requirements for transformers with rated power less than or equal to 3 150 kVA

EN 50588-2 covers, in conjunction with EN 50588-1, transformers under iii) and iv) above, up to 36 kV (the data from 24 kV to 36 kV are under consideration) and for transformers with rated power less than or equal to 3150kVA . Further documents exist which may be used by agreement between purchaser and manufacturer for cable boxes and enclosures. The dimensional requirements for cable boxes and protective enclosures are not enclosed in this document.

Keel: en
Alusdokumendid: EN 50588-2:2018
Asendab dokumenti: EVS-EN 50464-2-1:2007

EVS-EN 50588-3:2018

Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV - Part 3: Transformers with cable boxes on the high-voltage and/or low-voltage side - Cable boxes type 1 for use on transformers meeting the requirements of EN 50588-2

This European Standard specifies the requirements for cable boxes, Type 1, in which the cable cores are terminated. The cable boxes are suitable for use on transformers defined in EN 50588-2, “Transformers with Cable Boxes”, for side mounted or cover mounted use. The cable boxes are suitable for operation indoors and outdoors under environmental conditions specified in EN 50588-1. Important design and construction requirements of the cable boxes are given.

Keel: en
Alusdokumendid: EN 50588-3:2018
Asendab dokumenti: EVS-EN 50464-2-2:2007

EVS-EN 50588-4:2018

Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV - Part 4: Transformers with cable boxes on the high-voltage and/or low-voltage side - Cable boxes type 2 for use on transformers meeting the requirements of EN 50588-2

Cable boxes described in this European Standard correspond to cable boxes Type 2 in EN 50588-2 and are suitable for assembly on the cover of oil-immersed distribution transformers meeting the requirements of EN 50588-2. Cable boxes are air-filled, metal- or non-metal enclosed, for high- and/or low-voltage connections in the following variations: 1.1 High-voltage side a) Connection directly to bushings; b) Connection via busbar system. 1.2 Low-voltage side a) Connection directly to bushings (maximum of four connectors per bushing); b) Connection via busbar system.

Keel: en
Alusdokumendid: EN 50588-4:2018
Asendab dokumenti: EVS-EN 50464-2-3:2007

EVS-EN 60061-1:2001+A49:2013/A57:2018

Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 1: Lambisoklid
Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps

Muudatus standardile EN 60061-1:1993

Keel: en
Alusdokumendid: EN 60061-1:1993/A57:2018; IEC 60061-1:1969/A57:2017
Muudab dokumenti: EVS-EN 60061-1:2001+A49:2013

EVS-EN 60061-2:2001+A46:2013/A53:2018

Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 2: Lambipesad
Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders

Muudatus standardile EN 60061-2:1993

Keel: en
Alusdokumendid: EN 60061-2:1993/A53:2018; IEC 60061-2:1969/A53:2017
Muudab dokumenti: EVS-EN 60061-2:2001+A46:2013

EVS-EN 60061-3:2001+A47:2013/A54:2018

Lambisoklid ja lambipesad koos mõõturitega vahetatavuse ja ohutuse kontrolliks. Osa 3: Mõõturid
Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges

Muudatus standardile EN 60061-3:1993

Keel: en
Alusdokumendid: EN 60061-3:1993/A54:2018; IEC 60061-3:1969/A54:2017
Muudab dokumenti: EVS-EN 60061-3:2001+A47:2013

EVS-EN 61643-11:2012/A11:2018

Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods

To add an annex for portable SPDs for household and similar use. This annex will contain the following specific requirements to ensure the requested level of intrinsic safety for such products, i.e. product tests and safety cannot rely on any external means: - The position of the disconnector(s) : internal, i.e. all tests shall be made and passed without the help of any external means, - Additional specifications for tests taking into account that line and neutral terminals can be reversed, - Specific requirements and tests for surge protective components used with such SPDs

Keel: en
Alusdokumendid: EN 61643-11:2012/A11:2018
Muudab dokumenti: EVS-EN 61643-11:2012

EVS-EN 62271-101:2013/A1:2018

High-voltage switchgear and controlgear - Part 101: Synthetic testing

Amendment for EN 62271-101:2013. The contents of the corrigendum of January 2018 have been included in this copy.

Keel: en
Alusdokumendid: IEC 62271-101:2012/A1:2017; IEC 62271-101:2012/A1:2017/COR1:2018; EN 62271-101:2013/A1:2018
Muudab dokumenti: EVS-EN 62271-101:2013

EVS-EN IEC 60099-5:2018

Surge arresters - Part 5: Selection and application recommendations

IEC 60099-5:2018 provides information, guidance, and recommendations for the selection and application of surge arresters to be used in three-phase systems with nominal voltages above 1 kV. It applies to gapless metal-oxide surge arresters as defined in IEC 60099-4, to surge arresters containing both series and parallel gapped structure – rated 52 kV and less as defined in IEC 60099-6 and metal-oxide surge arresters with external series gap for overhead transmission and distribution lines (EGLA) as defined in IEC 60099-8. In Annex J, some aspects regarding the old type of SiC gapped arresters are discussed. Surge arrester residual voltage is a major parameter to which most users have paid a lot of attention to when selecting the type and rating. Typical maximum residual voltages are given in Annex F. It is likely, however, that for some systems, or in some countries, the requirements on system reliability and design are sufficiently uniform, so that the recommendations of the present standard may lead to the definition of narrow ranges of arresters. The user of surge arresters will, in that case, not be required to apply the whole process introduced here to any new installation and the selection of characteristics resulting from prior practice may be continued. Annexes H and I present comparisons and calculations between old line discharge classification and new charge classification. This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition regarding the new surge arrester classification introduced in IEC 60099-4:2014: a) Expanded discussion of comparison between the old and new classification and how to calculate or estimate the corresponding charge for different stresses. b) New annexes dealing with: - Comparison between line discharge classes and charge classification - Estimation of arrester cumulative charges and energies during line switching

Keel: en
Alusdokumendid: IEC 60099-5:2018; EN IEC 60099-5:2018
Asendab dokumenti: EVS-EN 60099-5:2013

EVS-EN IEC 60230:2018

Impulse tests on cables and their accessories

IEC 60230:2018 defines the procedure for carrying out withstand lightning and switching impulse tests and withstand superimposed impulse test on cables and their accessories. This document applies solely to the methods of carrying out the tests as such, independently of the problem of selecting the test levels to be specified. The voltages pertaining to the system on which cables and accessories are to be used are given in IEC 60183 or in the relevant product standard. This document specifies the following requirements: - the characteristics and state of the test installation and those parts of the procedure which are common to withstand tests and tests above the withstand level; - the procedure for carrying out withstand lightning, switching impulse tests and superimposed impulse test; - the procedure for carrying out tests above the withstand level which is intended for research purposes. This second edition cancels and replaces the first edition published in 1966. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the structure of the standard takes into account the current style of IEC standards; b) this document is no longer a “Recommendation” but an “International Standard”; c) the test installation is no longer related to gas-pressure and oil-filled cables only; d) switching-impulse voltage and superimposed impulse voltage tests have been included; e) for the measuring system the reference to IEC 60060-2 has been added. The reference to the sphere gap method has been moved to Annex B.

Keel: en
Alusdokumendid: IEC 60230:2018; EN IEC 60230:2018
Asendab dokumenti: EVS-EN 60230:2003

EVS-EN IEC 60598-2-17:2018

Valgustid. Osa 2-17: Erinõuded. Valgustid lavavalgustuseks, televisiooni- ja filmistuudiotele (väljas ja siseruumides)
Luminaires - Part 2-17: Particular requirements - Luminaires for stage lighting, television and film studios (outdoor and indoor)

IEC 60598-2-17:2017 specifies requirements for stage, television, film and photographic studio luminaires (including spot and floodlighting projectors) for use outdoors and indoors, with electric light sources on supply voltages not exceeding 1 000 V. This second edition cancels and replaces the first edition published in 1984 and Amendement 2:1990. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) extension of the applicable scope from light source to electric light source and replacement of tungsten filament, tubular fluorescent and other discharge lamps with electric light source in 17.1. b) consideration of the fact that there are many LED luminaires with non-replaceable light source, and light source without a glass bulb, or with low operation temperature: the applicable scope of relevant clauses therefore only applies to replaceable light source luminaires with a glass bulb lamp, or with high surface temperature.

Keel: en
Alusdokumendid: EN IEC 60598-2-17:2018; IEC 60598-2-17:2017
Asendab dokumenti: EVS-EN 60598-2-17:2001

EVS-EN IEC 61125:2018

Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state

IEC 61125:2018 describes a test method for evaluating the oxidation stability of insulating liquids in the delivered state under accelerated conditions regardless of whether or not antioxidant additives are present. The duration of the test can be different depending on the insulating liquid type and is defined in the corresponding standards (e.g. in IEC 60296, IEC 61099, IEC 62770). The method can be used for measuring the induction period, the test being continued until the volatile acidity significantly exceeds 0,10 mg KOH/g in the case of mineral oils. This value can be significantly higher in the case of ester liquids. Additional test methods such as those described in IEC TR 62036 based on differential scanning calorimetry can also be used as screening tests, but are out of the scope of this document. This second edition cancels and replaces the first edition published in 1992 and Amendment 1:2004. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the title has been modified to include insulating liquids different from mineral insulating oils (hydrocarbon); b) the method applies for insulating liquids in the delivered state; c) former Method C is now the main normative method; d) precision data of the main normative method has been updated concerning the dissipation factor; e) former Method A has been deleted; f) former Method B has been transferred to Annex B; g) a new method evaluating the thermo-oxidative behaviour of esters is included in Annex C.

Keel: en
Alusdokumendid: IEC 61125:2018; EN IEC 61125:2018
Asendab dokumenti: EVS-EN 61125:2002
Asendab dokumenti: EVS-EN 61125:2002/A1:2004

EVS-EN IEC 61204-7:2018

Madalpingelised lülititoimelised toiteallikad. Osa 7: Ohutusnõuded
Low-voltage switch mode power supplies - Part 7: Safety requirements

IEC 61204-7:2016 specifies the safety requirements for switch mode power supply (SMPS) units supplied by source voltages up to 1 000 V AC or 1 500 V DC providing AC and/or DC output(s), except inverter output(s) establishing AC mains. This product standard covers both stand-alone and component SMPS as defined in this document. DC power and distribution equipment which provides, distributes, monitors, and controls isolated secondary circuit power to other equipment typically used in information and communication technology equipment installations. This edition includes the following significant technical changes with respect to the previous edition: a) use of IEC 62477-1 as reference document, instead of IEC 60950-1; b) modification of the title by deleting the wording "DC output-" and adding "switch mode".

Keel: en
Alusdokumendid: IEC 61204-7:2016; EN IEC 61204-7:2018
Asendab dokumenti: EVS-EN 61204-7:2007
Asendab dokumenti: EVS-EN 61204-7:2007/A11:2009

EVS-EN IEC 61340-4-3:2018

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

IEC 61340-4-3:2017 describes a test method for determining the electrical resistance of footwear (shoes, slippers or booties) used in the control of electrostatic potential on people. This document is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as a qualification test or an acceptance test for new footwear, or as a periodic test of in-use footwear. Although this document does not include requirements for personal safety, footwear used within the scope of this document in all places of work is regulated by the relevant local statutory requirements regarding the health and safety of all persons. Insulating footwear is not included within the scope of this document although the electrical resistance measurement techniques can be applicable. This edition includes the following significant technical changes with respect to the previous edition: a) classification of footwear as electrostatic conductive or electrostatic dissipative has been removed – classification is not specified; b) environmental classes for laboratory testing have been removed – one set of conditions for pre-conditioning, conditioning and testing is specified; c) reference to IEC 61340-2-3 for measuring the resistance of the counter electrode inserted inside footwear has been removed.

Keel: en
Alusdokumendid: IEC 61340-4-3:2017; EN IEC 61340-4-3:2018
Asendab dokumenti: EVS-EN 61340-4-3:2003

EVS-EN IEC 61643-352:2018

Components for low-voltage surge protection - Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SITs)

IEC 61643-352:2018 covers the application of surge isolation transformers (SITs) that are used in telecommunication transformer applications with signal levels up to 400 V peak to peak. These transformers have a high rated impulse voltage with or without screen between the input and output windings. SITs are components for surge protection and are used to mitigate the onward propagation of common-mode voltage surges. This document describes SITs' selection, application principles and related information. This document does not cover power line communication transformers.

Keel: en
Alusdokumendid: IEC 61643-352:2018; EN IEC 61643-352:2018

EVS-EN IEC 62271-110:2018/AC:2018

High-voltage switchgear and controlgear - Part 110: Inductive load switching

Corrigendum for EN IEC 62271-110:2018

Keel: en
Alusdokumendid: IEC 62271-110:2017/COR1:2017; IEC 62271-110:2017/COR2:2018; EN IEC 62271-110:2018/AC:2018-03
Parandab dokumenti: EVS-EN IEC 62271-110:2018

EVS-EN IEC 62561-2:2018

Lightning Protection System Components (LPSC) - Part 2: Requirements for conductors and earth electrodes

IEC 62561-2:2018 specifies the requirements and tests for: - metallic conductors (other than "natural" conductors) that form part of the air-termination and down-conductor systems, - metallic earth electrodes that form part of the earth-termination system. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical change with respect to the previous edition: -Tables 2 and 4 have been merged into one Table (Table 2). - Figure 2 showing the coating measurement of a plate conductor has been added.

Keel: en
Alusdokumendid: IEC 62561-2:2018; EN IEC 62561-2:2018
Asendab dokumenti: EVS-EN 62561-2:2012

EVS-EN IEC 62561-6:2018

Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)

IEC 62561-6:2018 specifies the requirements and tests for devices intended to count the number of lightning strikes based on the current flowing in a conductor. This conductor may be part of a lightning protection system (LPS) or connected to an SPD installation or other conductors, which are not intended to conduct a significant portion of lightning currents. LSCs may also be suitable for use in hazardous atmospheres and there are therefore extra requirements necessary for the components to be installed in such conditions. This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) removal of previous classification and introduction of a simple division into Type I for impulses (direct lightning current detection) and Type II for lightning surge current detection, with appropriate testing for each type; b) modification and addition of terms and definitions; c) addition of a new Annex C (tests flow chart).

Keel: en
Alusdokumendid: IEC 62561-6:2018; EN IEC 62561-6:2018
Asendab dokumenti: EVS-EN 62561-6:2011

EVS-EN IEC 62561-7:2018

Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds

IEC 62561-7:2018 specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system. This second edition cancels and replaces the first edition, published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) information concerning the execution of the test for the determination of the resistivity in 5.4.3; b) addition of Annex A for the assessment of the corrosion load.

Keel: en
Alusdokumendid: IEC 62561-7:2018; EN IEC 62561-7:2018
Asendab dokumenti: EVS-EN 62561-7:2012

EVS-EN IEC 62613-1:2018

Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-Systems) - Part 1: General requirements

The purpose of the IEC/ISO/IEEE 80005-1 is to define requirements that allow compliant ships to connect to compliant high-voltage shore power supplies through a compatible shore-to-ship connection. IEC 62613 has been written to address the needs of 80005-1 in terms of plugs, socket-outlets, ship connectors and ship inlets (herein referred to as "accessories") to deliver electrical power to ships in ports. IEC 62613 applies to accessories with -three phases and earth with pilot contacts, -one single pole for neutral. These accessories have rated currents not exceeding 500 A and rated operating voltages not exceeding 12 kV 50/60 Hz. These accessories are primarily intended for use outdoors, in a seawater environment, for the shore supply of ships (ship-to-shore connection), in an ambient temperature within the range of 25 °C to +45 °C. NOTE 1: In some countries, other ambient temperatures may prevail and may need to be taken into account. These accessories are not intended for use in hazardous areas. In such locations where special conditions prevail, additional requirements may be necessary. Part 1 of IEC 62613 contains the general requirements.

Keel: en
Alusdokumendid: IEC 62613-1:2011; EN IEC 62613-1:2018

EVS-EN IEC 62613-2:2018

Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems) - Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

The purpose of the IEC/ISO/IEEE 80005-1 is to define requirements that allow compliant ships to connect to compliant high-voltage shore power supplies through a compatible shore-to-ship connection. IEC 62613 has been written to address the needs

of 80005-1 in terms of plugs, socket-outlets, ship connectors and ship inlets (herein referred to as "accessories") to deliver electrical power to ships in ports. IEC 62613 applies to accessories with -three phases and earth with pilot contacts, -one single pole for neutral. These accessories have rated currents not exceeding 500 A and rated operating voltages not exceeding 12 kV 50/60 Hz. These accessories are primarily intended for use outdoors, in a seawater environment, for the shore supply of ships (ship-to-shore connection), in an ambient temperature within the range of 25 °C to +45 °C. NOTE 1: In some countries, other ambient temperatures may prevail and may need to be taken into account. These accessories are not intended for use in hazardous areas. In such locations where special conditions prevail, additional requirements may be necessary. Part 2 of IEC 62613 contains the standard sheets for different configurations of (shore) socket-outlets, (shore) plugs, ship connectors and ship inlets, up to 12 kV, 500 A, 50/60 Hz and with pilot/auxiliary contacts.

Keel: en
Alusdokumendid: IEC 62613-2:2016; EN IEC 62613-2:2018

EVS-EN IEC 62631-3-11:2018

Dielectric and resistive properties of solid insulating materials - Part 3-11: Determination of resistive properties (DC methods) - Volume resistance and volume resistivity - Method for impregnation and coating materials

IEC 62631-3-11:2018 covers a method of test for the determination of volume resistance and volume resistivity of electrical insulation materials by applying DC voltage. It covers the materials described in IEC 60455-3-5, IEC 60464-3-1, IEC 60464-3-2 and similar products.

Keel: en
Alusdokumendid: IEC 62631-3-11:2018; EN IEC 62631-3-11:2018

EVS-EN IEC 62677-3-101:2018

Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications

IEC 62677-3-101:2018 is applicable to heat shrinkable low voltage moulded shapes in a range of configurations suitable for insulation, environmental sealing, mechanical protection, strain relief for power cable terminations, joints and stop ends. These moulded shapes have been found suitable for use for temperatures between -40 °C and 100 °C. The moulded shapes can be supplied with a pre-coated adhesive. A guide to adhesive compatibility and temperature performance is given in Annex A. The manufacturers/suppliers can be consulted for options. The material is available in two types: - Type A - Flame retardant - Type B - Not flame retardant Materials which conform to this document meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and will not be based on this document alone. The tests specified are designed to control the quality of the moulded shapes but it is recognized that they are designed to be used in low and medium voltage cable accessories and, as such, electrical performance will be proven as part of the assembly. Examples of this are described in EN 50393, HD 629 and IEC 60502-1.

Keel: en
Alusdokumendid: IEC 62677-3-101:2018; EN IEC 62677-3-101:2018

EVS-EN IEC 62677-3-102:2018

Heat-shrinkable low and medium voltage moulded shapes - Part 3: Specification for individual materials - Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications

IEC 62677-3-102:2018 is applicable to heat shrinkable medium voltage moulded shapes in a range of configurations suitable for insulation, environmental sealing, mechanical protection, strain relief for power cable terminations, joints and stop ends. These moulded shapes have been found suitable for use for temperatures between -40 °C and 100 °C. The moulded shapes can be supplied with a pre-coated adhesive. A guide to adhesive compatibility and temperature performance is given in Annex A. The manufacturers/suppliers can be consulted for options. Materials which conform to this document meet established levels of performance. However, the selection of a material by a user for a specific application will be based on the actual requirements necessary for adequate performance in that application and will not be based on this document alone. The tests specified are designed to control the quality of the moulded shapes but it is recognized that they are designed to be used in low and medium voltage cable accessories and as such electrical performance will be proven as part of the assembly. Examples of this are described in IEC 60502 (all parts), EN 50393 and HD 629.

Keel: en
Alusdokumendid: IEC 62677-3-102:2018; EN IEC 62677-3-102:2018

EVS-EN IEC/IEEE 65700:2018

Bushings for DC application

This International Standard applies to outdoor and indoor bushings of any voltage used on DC systems, of capacitance graded or gas insulated types for use as components of oil-filled converter transformers and smoothing reactors, as well as air-to-air DC bushings. This standard does not apply to the following: • cable terminations (potheads); • bushings for instrument transformers; • bushings for test power supplies; • bushings applied with gaseous insulation (other than air at atmospheric pressure) external to the bushing; • bushings for industrial application; • bushings for traction application; • bushings for distribution class transformers. This standard makes reference to IEC 60137 for general terms and conditions and defines the special terms used, operating conditions, ratings, test procedures as well as general mechanical and electrical requirements for bushings for DC application.

Keel: en
Alusdokumendid: IEC/IEEE 65700-19-03:2014; EN IEC/IEEE 65700:2018
Asendab dokumenti: EVS-EN 62199:2004

31 ELEKTROONIKA

EVS-EN IEC 60512-15-2:2018

Connectors for electrical and electronic equipment - Tests and measurements - Part 15-2: Connector tests (mechanical) - Test 15b: Insert retention in housing (axial)

This part of IEC 60512, when required by the detail (product) specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail (product) specification. The object of this document is to detail a standard test method to assess the effectiveness of the retaining system of a connector insert within a connector housing to withstand axial forces likely to be encountered during normal use, i.e. the highest insertion and withdrawal forces into/from a mating counterpart, without the connector insert being dislodged from the connector housing. The test method detailed in this document is a companion to the one detailed in IEC 60512-15-3 This second edition cancels and replaces the first edition, published in 2008. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: the test method B (pressure method) suitable for testing hermetic connector has been added. This edition reflects IEC 60512-1-101, Blank detail specification.

Keel: en
Alusdokumendid: IEC 60512-15-2:2018; EN IEC 60512-15-2:2018
Asendab dokumenti: EVS-EN 60512-15-2:2008

EVS-EN IEC 60512-8-3:2018

Connectors for electrical and electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever

This part of IEC 60512, when required by the detail (product) specification, is used for testing connectors within the scope of IEC technical committee 48. It may also be used for similar devices, when specified in a detail (product) specification. The object of this document is to detail a standard test method to assess the robustness of the actuating lever of a connector mating or release mechanism. This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: this edition reflects IEC 60512-1-101, Blank detail specification and Subclause 4.2 (Preparation of specimen) is improved.

Keel: en
Alusdokumendid: IEC 60512-8-3:2018; EN IEC 60512-8-3:2018
Asendab dokumenti: EVS-EN 60512-8-3:2011

EVS-EN IEC 60749-26:2018

Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM)

IEC 60749-26:2018 establishes the procedure for testing, evaluating, and classifying components and microcircuits according to their susceptibility (sensitivity) to damage or degradation by exposure to a defined human body model (HBM) electrostatic discharge (ESD). The purpose of this document is to establish a test method that will replicate HBM failures and provide reliable, repeatable HBM ESD test results from tester to tester, regardless of component type. Repeatable data will allow accurate classifications and comparisons of HBM ESD sensitivity levels. ESD testing of semiconductor devices is selected from this test method, the machine model (MM) test method (see IEC 60749-27) or other ESD test methods in the IEC 60749 series. Unless otherwise specified, this test method is the one selected. This fourth edition cancels and replaces the third edition published in 2013. This edition constitutes a technical revision. This standard is based upon ANSI/ESDA/JEDEC JS-001-2014. It is used with permission of the copyright holders, ESD Association and JEDEC Solid state Technology Association. This edition includes the following significant technical changes with respect to the previous edition: a) a new subclause relating to HBM stressing with a low parasitic simulator is added, together with a test to determine if an HBM simulator is a low parasitic simulator; b) a new subclause is added for cloned non-supply pins and a new annex is added for testing cloned non-supply pins.

Keel: en
Alusdokumendid: IEC 60749-26:2018; EN IEC 60749-26:2018
Asendab dokumenti: EVS-EN 60749-26:2014

EVS-EN IEC 61076-3-119:2018

Connectors for electrical and electronic equipment - Product requirements - Part 3-119: Rectangular connectors - Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz

IEC 61076-3-119:2017(E) establishes specifications and test requirements for 10-way shielded and unshielded rectangular, free and fixed connectors, with push-pull coupling, for data transmission with frequencies up to 100 MHz and for use in industrial environments. This document specifies free and fixed connectors with round contacts, suitable for screw or crimp terminations. Other terminations techniques, such as solder or printed board connections are upon agreement between manufacturer and user. The free and fixed connectors have a push-pull locking mechanism for IP65 and IP67 protection according to IEC 60529. Connectors according this document are without breaking capacity COC according to 3.9 of IEC 61984:2008, therefore they are not intended to be engaged or disengaged in normal use when live or under load, if not otherwise specified by the manufacturer.

Keel: en
Alusdokumendid: IEC 61076-3-119:2017; EN IEC 61076-3-119:2018

EVS-EN IEC 61249-2-45:2018

Materials for printed boards and other interconnecting structures - Part 2-45: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 1,0 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly

IEC 61249-2-45:2018(E) gives requirements for properties of non-halogenated epoxide non- woven reinforced core/woven E-glass reinforced surface laminate sheets of thermal conductivity and defined flammability (vertical burning test), copper-clad for lead-free assembly in thicknesses of 0,60 mm up to 1,70 mm. The flammability rating is achieved through the use of non-halogenated fire retardants reacted as part of the epoxide polymeric structure. The glass transition temperature is defined to be 105 °C minimum. Thermal conductivity is defined to be (1,0 ± 0,15) W/(m•K).

Keel: en
Alusdokumendid: IEC 61249-2-45:2018; EN IEC 61249-2-45:2018

EVS-EN IEC 61249-2-46:2018

Materials for printed boards and other interconnecting structures - Part 2-46: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 1,5 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly

IEC 61249-2-46:2018(E) gives requirements for properties of non-halogenated epoxide non- woven reinforced core/woven E-glass reinforced surface laminate sheets of thermal conductivity and defined flammability (vertical burning test), copper-clad for lead-free assembly in thicknesses of 0,60 mm up to 1,70 mm. The flammability rating is achieved through the use of non-halogenated fire retardants reacted as part of the epoxide polymeric structure. The glass transition temperature is defined to be 105 °C minimum. Thermal Conductivity is defined to be (1,5 ± 0,2) W/(m•K).

Keel: en
Alusdokumendid: IEC 61249-2-46:2018; EN IEC 61249-2-46:2018

EVS-EN IEC 61249-2-47:2018

Materials for printed boards and other interconnecting structures - Part 2-47: Reinforced base materials clad and unclad - Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity 2,0 W/(m•K) and defined flammability (vertical burning test), copper-clad for lead-free assembly

IEC 61249-2-47:2018(E) gives requirements for properties of non-halogenated epoxide non- woven reinforced core/woven E-glass reinforced surface laminate sheets of thermal conductivity and defined flammability (vertical burning test), copper-clad for lead-free assembly in thicknesses of 0,60 mm up to 1,70 mm. The flammability rating is achieved through the use of non-halogenated fire retardants reacted as part of the epoxide polymeric structure. The glass transition temperature is defined to be 105 °C minimum. Thermal conductivity is defined to be (2,0 ± 0,30) W/(m•K).

Keel: en
Alusdokumendid: IEC 61249-2-47:2018; EN IEC 61249-2-47:2018

EVS-EN IEC 61643-331:2018

Components for low-voltage surge protection - Part 331: Performance requirements and test methods for metal oxide varistors (MOV)

IEC 61643-331:2017E) is a test specification for metal oxide varistors (MOV), which are used for applications up to 1 000 V AC or 1 500 V DC in power line, or telecommunication, or signalling circuits. They are designed to protect apparatus or personnel, or both, from high transient voltages. This specification applies to MOVs having two electrodes and hybrid overvoltage protection components. This specification also does not apply to mountings and their effect on the MOV's characteristics. Characteristics given apply solely to the MOV mounted only in the ways described for the tests. This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) Update of the nominal varistor voltage test method; b) Addition of thermally protected varistors – component symbol and test methods; c) Addition of nominal discharge current – test methods; d) Addition of voltage ratings for disc types (Table 1); e) Addition of test currents for clamping voltage of disc types (Table 2); f) Addition of typical voltage ratings of SMD types (Table 3); and g) Addition of Limited current and temporary overvoltage tests for thermally protected varistors.

Keel: en
Alusdokumendid: IEC 61643-331:2017; EN IEC 61643-331:2018
Asendab dokumenti: EVS-EN 61643-331:2003

33 SIDETEHNIKA

CLC/TS 50083-2-3:2018

Cable networks for television signals, sound Signals and interactive services - Part 2-3: LTE (4G) Interference Mitigation Filters

This Technical Specification provides requirements to passive filters intended to reduce RF interference from LTE Base Stations (LTE-BS) and LTE User Equipment (LTE-UE) to receiving equipment and cable distribution systems of broadcast DVB-T and

DVB-T2 signals in the VHF and UHF bands. While primarily intended to be used with VHF/UHF DVB-T and DVB-T2 receivers and signal distribution systems, filters can also be useful for mitigation of interference to VHF FM or DAB radio.

Keel: en
Alusdokumendid: CLC/TS 50083-2-3:2018

EVS-EN IEC 60793-1-54:2018

Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation

IEC 60793-1-54:2018 outlines a method for measuring the steady state response of optical fibres and optical cables exposed to gamma radiation. It can be employed to determine the level of radiation-induced attenuation produced in Class B single-mode or Class A, category A1 and A2 multimode optical fibres, in either cabled or uncabled form, due to exposure to gamma radiation. The attenuation of cabled and uncabled optical fibres generally increases when exposed to gamma radiation. This is primarily due to the trapping of radiolytic electrons and holes at defect sites in the glass (i.e. the formation of "colour centres"). This test procedure focuses on two regimes of interest: the low dose rate regime suitable for estimating the effect of environmental background radiation, and the high dose rate regime suitable for estimating the effect of adverse nuclear environments. The testing of the effects of environmental background radiation is achieved with an attenuation measurement approach similar to IEC 60793-1-40 method A, cut-back. The effects of adverse nuclear environments are tested by monitoring the power before, during and after exposure of the test sample to gamma radiation. The depopulation of colour centres by light (photo bleaching) or by heat causes recovery (lessening of radiation induced attenuation). Recovery can occur over a wide range of time which depends on the irradiation time and annealing temperature. This complicates the characterization of radiation induced attenuation since the attenuation depends on many variables including the temperature of the test environment, the configuration of the sample, the total dose and the dose rate applied to the sample and the light level used to measure it. This test is not a material test for the non-optical material components of a fibre optic cable. If degradation of cable materials exposed to irradiation is studied, other test methods will be used. This test method is written to contain a clear, concise listing of instructions. The background knowledge that is necessary to perform correct, relevant and expressive irradiation tests as well as to limit measurement uncertainty is presented separately in IEC TR 62283. This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - test conditions related to photobleaching have been changed; - the test length has been modified to yield a total induced attenuation in the test sample at the end of the irradiation between 3 dB and 10 dB.

Keel: en
Alusdokumendid: IEC 60793-1-54:2018; EN IEC 60793-1-54:2018
Asendab dokumenti: EVS-EN 60793-1-54:2013

EVS-EN IEC 61754-7-2:2018

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7-2: Type MPO connector family - Two fibre rows

IEC 61754-7-2:2017(E) defines the standard interface dimensions for the type MPO family of connectors with two rows of fibres. This first edition of IEC 61754-7-2, along with the first edition of IEC 61754-7-1, cancels and replaces the third edition of IEC 61754-7 published in 2008. This first edition of IEC 61754-7-2 includes the two fibre row MPO variants including the addition of active device receptacles and up-angled plugs. The first edition of IEC 61754-7-1 includes the one fibre row MPO variants and related active device receptacles and up-angled plugs.

Keel: en
Alusdokumendid: IEC 61754-7-2:2017; EN IEC 61754-7-2:2018
Asendab dokumenti: EVS-EN 61754-7:2008

EVS-EN IEC 61938:2018

Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability

IEC 61938:2018 gives guidance on current practice for the characteristics of multimedia analogue interfaces to achieve interoperability between equipment from different manufacturers. It is not a performance standard. Recommendations for interfaces for equipment used in vehicles, and for analogue video interfaces for broadcast and similar equipment, are not given. Refer to IEC 60958 for the interconnection of digital signals. This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) electric tolerance is standardized; b) recommended value of output source impedance is adjusted; c) value of 6 Ohms is additionally recommended to impedance-defined loudspeaker systems; d) values in each table are chosen with respect to the state of the art and representative of best practice in industry.

Keel: en
Alusdokumendid: IEC 61938:2018; EN IEC 61938:2018
Asendab dokumenti: EVS-EN 61938:2013

EVS-EN IEC 62343-5-2:2018

Dynamic modules - Part 5-2: Test methods - 1xN fixed-grid WSS - Dynamic crosstalk measurement

IEC 62343-5-2:2018 describes the measurement methods of dynamic crosstalk during port switching for 1 x N fixed-grid wavelength selective switches (WSSs). The objective of this document is to establish a standard test method for different-channel dynamic crosstalk and same-channel dynamic crosstalk that occur when a particular optical channel signal is switched to the specific branching port against a common port in ITU- T 50 GHz and 100 GHz fixed grid 1 x N (N ≥ 3) WSSs.

Keel: en
Alusdokumendid: IEC 62343-5-2:2018; EN IEC 62343-5-2:2018

EVS-EN IEC 62731:2018

Text-to-speech for television - General requirements

IEC 62731:2018(E) specifies the text-to-speech functionality for a (broadcast) receiver with a text-to-speech system. Such a system may be one device, i.e. a receiver with an integrated text-to-speech generator, or may be two devices, i.e. a receiver interfacing with an external text-to-speech device. This document applies only to completely functional stationary (or semi-stationary) digital TV receivers such as set top boxes, integrated digital TVs, recorders and other products whose primary function is to receive TV content. Where this document refers to TV, this will be shorthand for all such receivers. This document does not apply to products that are capable of receiving TV as a secondary function (e.g. PCs or game consoles with digital television receivers). It also does not apply to sub-assemblies (e.g. PC tuner cards). This edition includes the following significant technical changes with respect to the previous edition: a) in 6.2, the levels of announcement quality were revised as well as considerations for ways in which device users can provide service providers with feedback on incorrectly announced terms. b) in 6.3, the following TV functionality was added: the TV can receive updated words, associated conversions and updated conversion rules for the TTS engine via a network connection.

Keel: en
Alusdokumendid: IEC 62731:2018; EN IEC 62731:2018
Asendab dokumenti: EVS-EN 62731:2013

35 INFOTEHNOLOOGIA

EVS-EN IEC 61804-2:2018

Function blocks (FB) for process control and electronic device description language (EDDL) - Part 2: Specification of FB concept

IEC 61804-2:2018 specifies FB (function blocks) by using the result of a harmonization work as regards several elements. a) The device model which defines the components of an IEC 61804-2 conformant device. b) Conceptual specifications of FBs for measurement, actuation and processing. This includes general rules for the essential features to support control, whilst avoiding details which stop innovation as well as specialization for different industrial sectors. c) The electronic device description (EDD) technology, which enables the integration of real product details using the tools of the engineering life cycle. This third edition cancels and replaces the second edition published in 2006 and integrates parts of IEC 61804-1 which was withdrawn in January 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) added command communication mapping in Clause 8; b) moved and reword compatibility level definition from IEC 62804-1 to new Annex B and terms and definitions; c) added proxy concept in new Annex C.

Keel: en
Alusdokumendid: IEC 61804-2:2018; EN IEC 61804-2:2018
Asendab dokumenti: EVS-EN 61804-2:2007

EVS-EN IEC 61938:2018

Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability

IEC 61938:2018 gives guidance on current practice for the characteristics of multimedia analogue interfaces to achieve interoperability between equipment from different manufacturers. It is not a performance standard. Recommendations for interfaces for equipment used in vehicles, and for analogue video interfaces for broadcast and similar equipment, are not given. Refer to IEC 60958 for the interconnection of digital signals. This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) electric tolerance is standardized; b) recommended value of output source impedance is adjusted; c) value of 6 Ohms is additionally recommended to impedance-defined loudspeaker systems; d) values in each table are chosen with respect to the state of the art and representative of best practice in industry.

Keel: en
Alusdokumendid: IEC 61938:2018; EN IEC 61938:2018
Asendab dokumenti: EVS-EN 61938:2013

EVS-EN IEC 62443-4-1:2018

Security for industrial automation and control systems - Part 4-1: Secure Product Development Lifecycle Requirements

IEC 62443-4:2018(E) specifies the process requirements for the secure development of products used in industrial automation and control systems. This specification is part of a series of standards that addresses the issue of security for industrial automation and control systems (IACS). IEC 62443-4 defines secure development life-cycle (SDL) requirements related to cyber security for products intended for use in the industrial automation and control systems environment and provides guidance on how to meet the requirements described for each element. The life-cycle description includes security requirements definition, secure design, secure implementation (including coding guidelines), verification and validation, defect management, patch management and product end-of-life. These requirements can be applied to new or existing processes for developing, maintaining and retiring hardware, software or firmware. Note that these requirements only apply to the developer and maintainer of the product, and are not applicable to the integrator or the user of the product. A summary list of the requirements is provided in Annex B.

Keel: en
Alusdokumendid: IEC 62443-4-1:2018; EN IEC 62443-4-1:2018

EVS-EN ISO 11073-10427:2018

Health informatics - Personal health device communication - Part 10427: Device specialization - Power status monitor of personal health devices(ISO/IEEE 11073-10427:2018)

ISO/IEEE 11073-10427:2018 establishes a normative definition of communication between devices containing a power source (agents) and managers (e.g., cell phones, personal computers, personal health appliances, set-top boxes) in a manner that enables plug-and-play interoperability. Using existing terminology, information profiles, application profile standards, and transport standards as defined in other ISO/IEEE 11073 standards, this standard defines a common core of communication functionality of personal health devices (PHDs) containing a battery, including: 1) current device power status (e.g., on mains or on battery); 2) power charge status (e.g., percent of full charge); and 3) estimated time remaining (e.g., minutes).

Keel: en
Alusdokumendid: ISO/IEEE 11073-10427:2018; EN ISO 11073-10427:2018

39 TÄPPISMEHAANIKA. JUVEELITOOTED

EVS-EN ISO 8654:2018

Jewellery - Colours of gold alloys - Definition, range of colours and designation (ISO 8654:2018)

ISO 8654:2018 specifies a limited number of colours of gold alloy and the method to measure colours. ISO 8654:2018 applies to objects made of gold alloys or coated by gold alloys.

Keel: en
Alusdokumendid: ISO 8654:2018; EN ISO 8654:2018
Asendab dokumenti: EVS-EN 28654:2000

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 13361:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks veehoidlate ja tammide ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams

This document specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer for water, in the construction of reservoirs and dams, and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of potable, fresh or saline water through the construction. This document is not applicable to geotextiles or geotextile-related products, as defined in EN ISO 10318 1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13361:2018
Asendab dokumenti: EVS-EN 13361:2013

EVS-EN 13362:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks kanalite ehitusel
Geosynthetic Barriers - Characteristics required for use in the construction of canals

This European Standard specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer forwater, in the construction of canals and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of the fluid through the construction. This document is not applicable to geotextiles or geotextile-related products, as defined in EN ISO 10318-1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13362:2018
Asendab dokumenti: EVS-EN 13362:2013

EVS-EN 13491:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks tunnelite ja nendega seotud maa-aluste ehitiste vedelikutõkete ehitamisel
Geosynthetic barriers - Characteristics required for use in the construction of tunnels and associated underground structures

This document specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer in the construction of tunnels and associated underground structures, and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of fluid through the construction. This document is not applicable to geotextiles or geotextile-related products as defined in EN ISO 10318-1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13491:2018
Asendab dokumenti: EVS-EN 13491:2013

EVS-EN 16994:2018

Savist geosünteettõkked. Nõutavad omadused kasutamiseks maa-aluste ehitiste vedelikutõkete ehitamisel (v.a. tunnelite ja nendega seotud maa-aluste ehitiste)
Clay Geosynthetic Barriers - Characteristics required for use in the construction of underground structures (other than tunnels and associated structures)

This document specifies the characteristics of clay geosynthetic barriers (GBR-C) as well as multicomponent geosynthetic clay barriers (e.g. a GBR-C with a polymeric or bituminous geosynthetic barrier attached to it), when used as fluid barriers and separation layer in the construction of underground structures (other than tunnels and associated structures), and the appropriate test methods to determine these characteristics. If in a multicomponent GBR-C, the GBR-P or GBR-B is the predominant hydraulic barrier then the appropriate standard should be used. The intended use of these products is to control the leakage of fluid through the construction wall. This document is not applicable to geotextiles or geotextile-related products as defined in EN ISO 10318 1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 16994:2018

EVS-EN 1883:2018

Feather and down - Sampling in view of tests

This European standard specifies a method for obtaining a representative laboratory bulk sample of a lot of feather and down and of feather and down in a manufactured product or of a manufactured product.

Keel: en
Alusdokumendid: EN 1883:2018
Asendab dokumenti: EVS-EN 1883:2001

EVS-EN IEC 61340-4-5:2018

Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person

IEC 61340-4-5:2018 specifies test methods for evaluating electrostatic protection provided by a system of footwear and flooring in combination with a person. Test results are valid only for the specific footwear and flooring combination tested. The test methods are not intended for individual product qualification purposes. This edition includes the following significant technical changes with respect to the previous edition: a) normative references have been updated; b) Figure 2 has been improved and expanded to include actual examples of body voltage recordings, and text has been added to explain how to interpret recordings; c) an alternative walking pattern has been added in an informative annex.

Keel: en
Alusdokumendid: IEC 61340-4-5:2018; EN IEC 61340-4-5:2018
Asendab dokumenti: EVS-EN 61340-4-5:2004

61 RÕIVATÖÖSTUS

EVS-EN IEC 61340-4-3:2018

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

IEC 61340-4-3:2017 describes a test method for determining the electrical resistance of footwear (shoes, slippers or booties) used in the control of electrostatic potential on people. This document is suitable for use by the manufacturer of footwear as well as the end user. A method for measuring the electrical resistance of footwear alone is described and serves as a qualification test or an acceptance test for new footwear, or as a periodic test of in-use footwear. Although this document does not include requirements for personal safety, footwear used within the scope of this document in all places of work is regulated by the relevant local statutory requirements regarding the health and safety of all persons. Insulating footwear is not included within the scope of this document although the electrical resistance measurement techniques can be applicable. This edition includes the following significant technical changes with respect to the previous edition: a) classification of footwear as electrostatic conductive or electrostatic

dissipative has been removed – classification is not specified; b) environmental classes for laboratory testing have been removed – one set of conditions for pre-conditioning, conditioning and testing is specified; c) reference to IEC 61340-2-3 for measuring the resistance of the counter electrode inserted inside footwear has been removed.

Keel: en
Alusdokumendid: IEC 61340-4-3:2017; EN IEC 61340-4-3:2018
Asendab dokumenti: EVS-EN 61340-4-3:2003

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 8442-9:2018

Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

ISO 8442-9:2018 specifies material and performance requirements and test method of ceramic blades of knives intended for use in the preparation of food.

Keel: en
Alusdokumendid: ISO 8442-9:2018; EN ISO 8442-9:2018

71 KEEMILINE TEHNOLOOGIA

CEN/TR 15993:2018

Automotive fuels - Ethanol (E85) automotive fuel - Background to the parameters required and their respective limits and determination

This Technical Report explains the requirements and test methods for marketed and delivered ethanol (E85) automotive fuel according to EN 15293. It provides background information on the final text of the draft European standard and gives guidance and explanations to the producers, blenders, marketers and users of ethanol (E85) automotive fuel. It is applicable to ethanol (E85) for use in spark ignition engine vehicles designed to run on ethanol (E85). Ethanol (E85) is a mixture of nominally 85 % ethanol and 15 % petrol, but it also includes the possibility of having different 'seasonal grades' containing 50 % or more ethanol. NOTE 1 This document is directly related to prEN 15293:2017 and will be updated if further revisions to the standard take place. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction, μ, and the volume fraction, φ, respectively.

Keel: en
Alusdokumendid: CEN/TR 15993:2018
Asendab dokumenti: CEN/TR 15993:2013

EVS-EN 16785-2:2018

Bio-based products - Bio-based content - Part 2: Determination of the bio-based content using the material balance method

This part of EN 16785 specifies a method of determining the bio-based content in products using the material balance applied to a representative product batch in a production unit. This European Standard is applicable to any solid, liquid and gaseous bio-based product containing carbon, obtained by chemical synthesis, mixing or assembling, provided that: - for a product batch, the composition of the product and the bio-based content of each input, output and loss in the production unit are known; and - the bio-based content of the product is verifiable by analysis. This method incorporates only the physical parts of the input and output stream as present in the final product, and does not incorporate material inputs for the energy to be used during the production process. This method is not needed for the determination of the bio-based content in natural products wholly derived from biomass.

Keel: en
Alusdokumendid: EN 16785-2:2018

75 NAFTA JA NAFTATEHNOLOOGIA

CEN/TR 15993:2018

Automotive fuels - Ethanol (E85) automotive fuel - Background to the parameters required and their respective limits and determination

This Technical Report explains the requirements and test methods for marketed and delivered ethanol (E85) automotive fuel according to EN 15293. It provides background information on the final text of the draft European standard and gives guidance and explanations to the producers, blenders, marketers and users of ethanol (E85) automotive fuel. It is applicable to ethanol (E85) for use in spark ignition engine vehicles designed to run on ethanol (E85). Ethanol (E85) is a mixture of nominally 85 % ethanol and 15 % petrol, but it also includes the possibility of having different 'seasonal grades' containing 50 % or more ethanol. NOTE 1 This document is directly related to prEN 15293:2017 and will be updated if further revisions to the standard take place. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction, μ, and the volume fraction, φ, respectively.

Keel: en
Alusdokumendid: CEN/TR 15993:2018
Asendab dokumenti: CEN/TR 15993:2013

EVS-EN 1431:2018

Bitumen and bituminous binders - Determination of residual binder and oil distillate from bitumen emulsions by distillation

This European Standard specifies a method for the quantitative determination of residual binder and oil distillate in bituminous emulsions. The method can also be used to obtain residue and oil distillate for further testing. NOTE The properties of the material recovered in the test are not necessarily the same as those of the original materials from which the emulsion was produced, especially for polymer modified bitumens, cut-back and fluxed bituminous binders. WARNING - The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 1431:2018
Asendab dokumenti: EVS-EN 1431:2009

EVS-ISO 587:2018

Tahkekütused. Kloori määramine Eschka segu abil
Solid mineral fuels - Determination of chlorine using Eschka mixture (ISO 587:1997, modified)

See rahvusvaheline standard käsitleb kloori sisalduse määramist kivisöes, pruunsöes, ligniidis, [MOD] põlevkivis, [MOD] koksis [MOD] ja poolkoksis [MOD], kasutades Eschka segu.

Keel: en
Alusdokumendid: ISO 587:1997

77 METALLURGIA

EVS-EN ISO 6507-4:2018

Metallic materials - Vickers hardness test - Part 4: Tables of hardness values (ISO 6507-4:2018)

ISO 6507-4:2018 gives tables of Vickers hardness for use in tests carried out in accordance with ISO 6507- 1.

Keel: en
Alusdokumendid: ISO 6507-4:2018; EN ISO 6507-4:2018
Asendab dokumenti: EVS-EN ISO 6507-4:2006

EVS-EN ISO 7500-1:2018

Metallic materials - Calibration and verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Calibration and verification of the force-measuring system (ISO 7500-1:2018)

ISO 7500-1:2018 specifies the calibration and verification of tension/compression testing machines. The verification consists of: - a general inspection of the testing machine, including its accessories for the force application; - a calibration of the force-measuring system of the testing machine; - a confirmation that the performance properties of the testing machine achieve the limits given for a specified class. NOTE This document addresses the static calibration and verification of the force-measuring systems. The calibration values are not necessarily valid for high-speed or dynamic testing applications. Further information regarding dynamic effects is given in the Bibliography. CAUTION Some of the tests specified in this document involve the use of processes which can lead to a hazardous situation.

Keel: en
Alusdokumendid: ISO 7500-1:2018; EN 7500-1:2018
Asendab dokumenti: EVS-EN ISO 7500-1:2015

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 12944-5:2018

Värvid ja lakid. Teraskonstruktsioonide korrosioonitõrje kaitsvate värvkattesüsteemidega. Osa 5: Kaitsvad värvkattesüsteemid
Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 5: Protective paint systems (ISO 12944-5:2018)

See dokument kirjeldab värvi ja värvisüsteemi tüüpe, mida tavaliselt kasutatakse teraskonstruktsioonide korrosioonitõrjeks. See annab samuti juhiseid valimaks värvisüsteeme, mis on saadaval eri keskkondade (vt ISO 12944-2), v.a korrodeerivuskategooriate Cx ja Im4 puhul, nagu määratletud standardis ISO 12944-2, ja eri pinna ettevalmistustasemete (vt ISO 12944-4) ja oodatava kestvusklassi (vt ISO 12944-1) jaoks.

Keel: en, et
Alusdokumendid: ISO 12944-5:2018; EN ISO 12944-5:2018
Asendab dokumenti: EVS-EN ISO 12944-5:2007

91 EHITUSMATERJALID JA EHITUS

EVS 812-3:2018

Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Selles Eesti standardis käsitletakse hoonete kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

Keel: et
Asendab dokumenti: EVS 812-3:2013
Asendab dokumenti: EVS 812-3:2013/A1:2015
Asendab dokumenti: EVS 812-3:2013/AC:2013
Asendab dokumenti: EVS 812-3:2013/AC:2014
Asendab dokumenti: EVS 812-3:2013+A1:2015

EVS-EN 13361:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks veehoidlate ja tammide ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams

This document specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer for water, in the construction of reservoirs and dams, and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of potable, fresh or saline water through the construction. This document is not applicable to geotextiles or geotextile-related products, as defined in EN ISO 10318 1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13361:2018
Asendab dokumenti: EVS-EN 13361:2013

EVS-EN 13362:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks kanalite ehitusel
Geosynthetic Barriers - Characteristics required for use in the construction of canals

This European Standard specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer forwater, in the construction of canals and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of the fluid through the construction. This document is not applicable to geotextiles or geotextile-related products, as defined in EN ISO 10318-1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13362:2018
Asendab dokumenti: EVS-EN 13362:2013

EVS-EN 13491:2018

Geosünteettõkked. Nõutavad omadused kasutamiseks tunnelite ja nendega seotud maa-aluste ehitiste vedelikutõkete ehitamisel
Geosynthetic barriers - Characteristics required for use in the construction of tunnels and associated underground structures

This document specifies the characteristics of geosynthetic barriers, including polymeric geosynthetic barriers, clay geosynthetic barriers and bituminous geosynthetic barriers, when used as fluid barriers and separation layer in the construction of tunnels and associated underground structures, and the appropriate test methods to determine these characteristics. The intended use of these products is to control the leakage of fluid through the construction. This document is not applicable to geotextiles or geotextile-related products as defined in EN ISO 10318-1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 13491:2018
Asendab dokumenti: EVS-EN 13491:2013

EVS-EN 1431:2018

Bitumen and bituminous binders - Determination of residual binder and oil distillate from bitumen emulsions by distillation

This European Standard specifies a method for the quantitative determination of residual binder and oil distillate in bituminous emulsions. The method can also be used to obtain residue and oil distillate for further testing. NOTE The properties of the material recovered in the test are not necessarily the same as those of the original materials from which the emulsion was produced, especially for polymer modified bitumens, cut-back and fluxed bituminous binders. WARNING - The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 1431:2018
Asendab dokumenti: EVS-EN 1431:2009

EVS-EN 14511-1:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 1: Terminid ja määratlused
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

This European Standard specifies the terms and definitions for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and/or cooling. It also specifies the terms and definitions for the rating and performance of process chillers. This European Standard does not apply to heat pumps for domestic hot water, although certain definitions can be applied to these. This European Standard applies to: - factory-made units that can be ducted, - factory-made liquid chilling packages with integral condensers or for use with remote condensers, - factory-made units of either fixed capacity or variable capacity by any means, and - air-to-air air conditioners which can also evaporate the condensate on the condenser side. Packaged units, single split and multisplit systems are covered by this standard. Single duct and double duct units are covered by the standard. In the case of units consisting of several parts, this European Standard applies only to those designed and supplied as a complete package, except for liquid chilling packages with remote condenser. This European Standard is primarily intended for water and brine chilling packages but can be used for other liquid subject to agreement. The units having their condenser cooled by air and by the evaporation of external additional water should have their performance in the cooling mode determined in accordance to EN 15218. For those which can also operate in the heating mode, the EN 14511 series applies for the determination of their performance in the heating mode. NOTE 1 Part load testing of units is dealt with in EN 14825. NOTE 2 All the symbols given in this text are used regardless of the language.

Keel: en
Alusdokumendid: EN 14511-1:2018
Asendab dokumenti: EVS-EN 14511-1:2013

EVS-EN 14511-2:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 2: Katsetingimused
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions

1.1 The scope of EN 14511-1 is applicable. 1.2 This European Standard specifies the test conditions for the rating of air conditioners, liquid chilling packages and heat pumps, using either, air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and/or cooling. The standard also specifies the test conditions for the rating of air-cooled and water(brine)-cooled process chillers. 1.3 This European Standard specifies the conditions for which performance data is to be declared for single duct and double duct units for compliance to the Ecodesign Regulation 206/2012 and Energy Labelling Regulation 626/2011.

Keel: en
Alusdokumendid: EN 14511-2:2018
Asendab dokumenti: EVS-EN 14511-2:2013

EVS-EN 14511-3:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 3: Katsemeetodid
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods

1.1 The scope of EN 14511-1 is applicable. 1.2 This European Standard specifies the test methods for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and cooling. These test methods also apply for the rating and performance of process chillers. It also specifies the method of testing and reporting for heat recovery capacities, system reduced capacities and the capacity of individual indoor units of multisplit systems, where applicable. This European Standard also makes possible to rate multisplit and modular heat recovery multisplit systems by rating separately the indoor and outdoor units.

Keel: en
Alusdokumendid: EN 14511-3:2018
Asendab dokumenti: EVS-EN 14511-3:2013

EVS-EN 14511-4:2018

Õhu konditsioneerid, vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks ja tehnoloogise jahutuse seadmed elektrikompressoritega. Osa 4: Nõuded
Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements

1.1 The scope of EN 14511-1 is applicable, with the exception of process chillers. 1.2 This European Standard specifies minimum operating requirements which ensure that air conditioners, heat pumps and liquid chilling packages using either air, water or brine as heat transfer media, with electrical driven compressors are fit for the use designated by the manufacturer when used for space heating and/or cooling.

Keel: en
Alusdokumendid: EN 14511-4:2018
Asendab dokumenti: EVS-EN 14511-4:2013

EVS-EN 16205:2013+A1:2018

Laboratory measurement of walking noise on floors

This European Standard specifies a laboratory measurement method to determine noise radiated from a floor covering on a standard concrete floor when excited by a standard tapping machine.

Keel: en
Alusdokumendid: EN 16205:2013+A1:2018
Asendab dokumenti: EVS-EN 16205:2013

EVS-EN 16994:2018

Savist geosünteettõkked. Nõutavad omadused kasutamiseks maa-aluste ehitiste vedelikutõkete ehitamisel (v.a. tunnelite ja nendega seotud maa-aluste ehitiste)
Clay Geosynthetic Barriers - Characteristics required for use in the construction of underground structures (other than tunnels and associated structures)

This document specifies the characteristics of clay geosynthetic barriers (GBR-C) as well as multicomponent geosynthetic clay barriers (e.g. a GBR-C with a polymeric or bituminous geosynthetic barrier attached to it), when used as fluid barriers and separation layer in the construction of underground structures (other than tunnels and associated structures), and the appropriate test methods to determine these characteristics. If in a multicomponent GBR-C, the GBR-P or GBR-B is the predominant hydraulic barrier then the appropriate standard should be used. The intended use of these products is to control the leakage of fluid through the construction wall. This document is not applicable to geotextiles or geotextile-related products as defined in EN ISO 10318 1. This document provides for the assessment and verification of constancy of performance (AVCP) of the product to this European Standard including factory production control procedures. This document defines characteristics to be considered with regard to the presentation of performance. This document does not cover applications where the geosynthetic barrier is to be in contact with water that has been treated for human consumption. NOTE Where potable water is or can be in direct contact with the product, other relevant standards, requirements and/or regulations can be considered for the design.

Keel: en
Alusdokumendid: EN 16994:2018

EVS-EN 81-21:2018

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kaupade transpordiks mõeldud liftid. Osa 21: Uued sõidu- ja kaubaliftid olemasolevates hoonetes
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 21: New passenger and goods passenger lifts in existing building

This European Standard specifies the safety rules related to new passenger and goods/passenger lifts permanently installed in existing buildings where in some circumstances due to limitations enforced by building constraints, some requirements of EN 81 20:2014 cannot be met (see also 4th sentence of Introduction). This European Standard addresses a number of these constraints and gives requirements for alternative solutions. It is intended to be read and applied in conjunction with the European Standard EN 81-20:2014. This European Standard covers: - either the construction and installation of one or more complete new lift(s) including new well and machinery spaces in an existing building; or - the replacement of one or more existing lift(s) by new ones in existing well(s) and machinery spaces. This European Standard does not cover: - replacement or modifications of some parts to a lift already installed; - other applications outside of the scope of EN 81-20:2014.

Keel: en
Alusdokumendid: EN 81-21:2018
Asendab dokumenti: EVS-EN 81-21:2009+A1:2012

EVS-EN 81-58:2018

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Kontrollimine ja katsed. Osa 58: Liftiuste tulekindlustest
Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test

This European Standard specifies the method of test for determining the fire resistance of lift landing doors which may be exposed to a fire from the landing side. The procedure applies to all types of lift landing doors used as a means of access to lifts in buildings and which are intended to provide a fire barrier to the spread of fire via the lift well. The procedure allows for the measurement of

integrity and if required the measurement of radiation and thermal insulation. No requirements other than the verification that the specimen is operational are included for mechanical conditioning before the test as these are included in the relevant product standard.

Keel: en
Alusdokumendid: EN 81-58:2018
Asendab dokumenti: EVS-EN 81-58:2003

EVS-EN IEC 62561-2:2018

Lightning Protection System Components (LPSC) - Part 2: Requirements for conductors and earth electrodes

IEC 62561-2:2018 specifies the requirements and tests for: - metallic conductors (other than "natural" conductors) that form part of the air-termination and down-conductor systems, - metallic earth electrodes that form part of the earth-termination system. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical change with respect to the previous edition: -Tables 2 and 4 have been merged into one Table (Table 2). - Figure 2 showing the coating measurement of a plate conductor has been added.

Keel: en
Alusdokumendid: IEC 62561-2:2018; EN IEC 62561-2:2018
Asendab dokumenti: EVS-EN 62561-2:2012

EVS-EN IEC 62561-6:2018

Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)

IEC 62561-6:2018 specifies the requirements and tests for devices intended to count the number of lightning strikes based on the current flowing in a conductor. This conductor may be part of a lightning protection system (LPS) or connected to an SPD installation or other conductors, which are not intended to conduct a significant portion of lightning currents. LSCs may also be suitable for use in hazardous atmospheres and there are therefore extra requirements necessary for the components to be installed in such conditions. This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) removal of previous classification and introduction of a simple division into Type I for impulses (direct lightning current detection) and Type II for lightning surge current detection, with appropriate testing for each type; b) modification and addition of terms and definitions; c) addition of a new Annex C (tests flow chart).

Keel: en
Alusdokumendid: IEC 62561-6:2018; EN IEC 62561-6:2018
Asendab dokumenti: EVS-EN 62561-6:2011

EVS-EN IEC 62561-7:2018

Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds

IEC 62561-7:2018 specifies the requirements and tests for earthing enhancing compounds producing low resistance of an earth termination system. This second edition cancels and replaces the first edition, published in 2011. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) information concerning the execution of the test for the determination of the resistivity in 5.4.3; b) addition of Annex A for the assessment of the corrosion load.

Keel: en
Alusdokumendid: IEC 62561-7:2018; EN IEC 62561-7:2018
Asendab dokumenti: EVS-EN 62561-7:2012

EVS-EN ISO 10545-3:2018

Ceramic tiles - Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density (ISO 10545-3:2018)

ISO 10545-3:2018 specifies a method for determining water absorption, apparent porosity, apparent relative density and bulk density of ceramic tiles. This method is applicable to classification of tiles and product specifications.

Keel: en
Alusdokumendid: ISO 10545-3:2018; EN ISO 10545-3:2018
Asendab dokumenti: EVS-EN ISO 10545-3:2000

EVS-EN ISO 11296-1:2018

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2018)

ISO 11296-1:2018 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of 0,5 bar[1]. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to the existing pipeline or any non-structural sprayed coatings or annular filler. ISO 11296-1:2018 gives the general requirements common to all relevant renovation techniques. [1] 1 bar = 0,1 MPa = 0,1 N/mm2 = 105 N/m2.

Keel: en
Alusdokumendid: ISO 11296-1:2018; EN ISO 11296-1:2018

93 RAJATISED

EVS-EN 12274-1:2018
Slurry surfacing - Test methods - Part 1: Sampling of slurry surfacing mixture

This European Standard applies to slurry surfacing for roads, airfields and other trafficked areas. This European Standard specifies a method for sampling of slurry surfacing mixtures from production during laying. A method for sampling from the road surface after laying is described in an informative annex (Annex A) for evaluation purposes. Production testing needs operators with good practice and is carried out provided there are no specific local or other national regulations that are required to be followed. WARNING - The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of the standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 12274-1:2018
Asendab dokumenti: EVS-EN 12274-1:2002

EVS-EN 12274-2:2018
Slurry surfacing - Test methods - Part 2: Determination of residual binder content including preparation of samples

This European Standard specifies test methods for determining the residual binder content of samples of slurry surfacing mixtures. This document describes the method for preparing the specimens and for removing water from the samples before carrying out the extraction test. The method described in this European Standard needs to be used only to determine the quantity of binder and not to investigate its quality. This European Standard applies to slurry surfacing to be used in surface layers for roads, airfields and other trafficked areas.

Keel: en
Alusdokumendid: EN 12274-2:2018
Asendab dokumenti: EVS-EN 12274-2:2003

EVS-EN 12274-3:2018
Slurry surfacing - Test methods - Part 3: Consistency

This European Standard specifies a test method for determining the consistency of slurry surfacing mixtures. This test is dedicated to Slurry Seals (D ≤ 4mm). NOTE 1 The method can be used as a mix design aid to determine the amount of water required to form a stable, workable mixture. NOTE 2 To obtain the correct consistency, it can be necessary to repeat the test with different known percentages of water. This European Standard applies to slurry surfacings for roads, airfields and other trafficked areas.

Keel: en
Alusdokumendid: EN 12274-3:2018
Asendab dokumenti: EVS-EN 12274-3:2002

EVS-EN 12274-5:2018
Slurry surfacing - Test method - Part 5: Determination of the minimum binder content and wearing resistance

This European Standard specifies a test method for the design of slurry surfacing mixture based on the determination of the minimum binder content of the mixture and the resistance to wear under wet track abrasion conditions for the purpose to support the mixture design. This test can be used for quality control purposes.

Keel: en
Alusdokumendid: EN 12274-5:2018
Asendab dokumenti: EVS-EN 12274-5:2003

EVS-EN 12274-6:2018
Slurry surfacing - Test methods - Part 6: Rate of application

This European Standard specifies test methods for determination the average rate of application of slurry surfacing in kilograms per square metre (kg/m2). This European Standard applies to slurry surfacing for roads, airfields and other trafficked areas.

Keel: en
Alusdokumendid: EN 12274-6:2018
Asendab dokumenti: EVS-EN 12274-6:2002

EVS-EN ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2018)

ISO 11296-1:2018 specifies the requirements and test methods for plastics piping systems intended to be used for the renovation of underground non-pressure drainage and sewerage networks, which are operated as gravity systems and subjected to a maximum surcharge pressure of 0,5 bar[1]. It is applicable to pipes and fittings, as manufactured, as well as to the installed lining system. It is not applicable to the existing pipeline or any non-structural sprayed coatings or annular filler. ISO 11296-1:2018 gives the general requirements common to all relevant renovation techniques. [1] 1 bar = 0,1 MPa = 0,1 N/mm2 = 105 N/m2.

Keel: en
Alusdokumendid: ISO 11296-1:2018; EN ISO 11296-1:2018
Asendab dokumenti: EVS-EN ISO 11296-1:2011

EVS-EN ISO 17892-8:2018

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)

This document specifies a method for unconsolidated undrained triaxial compression tests. This document is applicable to the laboratory determination of undrained triaxial shear strength under compression loading within the scope of geotechnical investigations. The cylindrical specimen, which can comprise undisturbed, re-compacted, remoulded or reconstituted soil, is subjected to an isotropic stress under undrained conditions and thereafter is sheared under undrained conditions. The test allows the determination of shear strength and stress-strain relationships in terms of total stresses. Non-standard procedures such as tests with the measurement of pore pressure or tests with filter drains are not covered in this document. NOTE This document fulfils the requirements of unconsolidated undrained triaxial compression tests for geotechnical investigation and testing in accordance with EN 1997-1 and EN 1997-2.

Keel: en
Alusdokumendid: EN ISO 17892-8:2018; ISO 17892-8:2018
Asendab dokumenti: CEN ISO/TS 17892-8:2004

97 OLME. MEELELAHUTUS. SPORT

EVS-EN ISO 8442-9:2018

Materials and articles in contact with foodstuffs - Cutlery and table holloware - Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

ISO 8442-9:2018 specifies material and performance requirements and test method of ceramic blades of knives intended for use in the preparation of food.

Keel: en
Alusdokumendid: ISO 8442-9:2018; EN ISO 8442-9:2018

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 14511-1:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 1: Terminid, määratlused ja klassifikatsioon
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 1: Terms, definitions and classification

Keel: en, et
Alusdokumendid: EN 14511-1:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-1:2018
Standardi staatus: Kehtetu

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

EVS 18001:2007

Töötervishoiu ja tööohutuse juhtimissüsteemid
Occupational health and safety management systems

Keel: et-en
Alusdokumendid: EVS 18001:2007; BS OHSAS 18001:2007
Asendatud järgmise dokumendiga: EVS-ISO 45001:2018
Standardi staatus: Kehtetu

EVS 18002:2009

Töötervishoiu ja tööohutuse juhtimissüsteemid. EVS 18001:2007 rakendusjuhised
Occupational health and safety management systems — Guidelines for the implementation of EVS 18001:2007

Keel: et
Alusdokumendid: OHSAS 18002:2008
Asendatud järgmise dokumendiga: EVS-ISO 45001:2018
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 13408-2:2011

Tervishoiutoodete aseptiline töötlemine. Osa 2: Filtreerimine (ISO 13408-2:2003)
Aseptic processing of health care products - Part 2: Filtration (ISO 13408-2:2003)

Keel: en
Alusdokumendid: ISO 13408-2:2003; EN ISO 13408-2:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 13408-2:2018
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TS 17892-8:2004

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test

Keel: en
Alusdokumendid: ISO/TS 17892-8:2004; CEN ISO/TS 17892-8:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 17892-8:2018
Standardi staatus: Kehtetu

EVS 18001:2007

Töötervishoiu ja tööohutuse juhtimissüsteemid
Occupational health and safety management systems

Keel: et-en
Alusdokumendid: EVS 18001:2007; BS OHSAS 18001:2007
Asendatud järgmise dokumendiga: EVS-ISO 45001:2018
Standardi staatus: Kehtetu

EVS 18002:2009
Töötervishoiu ja tööohutuse juhtimissüsteemid. EVS 18001:2007 rakendusjuhised
Occupational health and safety management systems — Guidelines for the implementation of EVS 18001:2007

Keel: et
Alusdokumendid: OHSAS 18002:2008
Asendatud järgmise dokumendiga: EVS-ISO 45001:2018
Standardi staatus: Kehtetu

EVS 812-3:2013
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Muudetud järgmise dokumendiga: EVS 812-3:2013/A1:2015
Parandatud järgmise dokumendiga: EVS 812-3:2013/AC:2013
Parandatud järgmise dokumendiga: EVS 812-3:2013/AC:2014
Standardi staatus: Kehtetu

EVS 812-3:2013/A1:2015
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013/AC:2013
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013/AC:2014
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013+A1:2015
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Alusdokumendid: EVS 812-3:2013; EVS 812-3:2013/A1:2015; EVS 812-3:2013/AC:2014; EVS 812-3:2013/AC:2013
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS-EN 13463-2:2005
Mitteelelektrilised seadmed plahvatusohtlike keskkondade jaoks. Osa 2: Kaitsmine juurdevoolu takistamise "fr" abil
Non-electrical equipment for use in potentially explosive atmospheres - Part 2: Protection by flow restricting enclosure 'fr'

Keel: en
Alusdokumendid: EN 13463-2:2004
Standardi staatus: Kehtetu

EVS-EN 13463-3:2005
Mitteelelektrilised seadmed plahvatusohtlike keskkondade jaoks. Osa 3: Kaitsmine tulekindla ümbrise 'd' abil
Non-electrical equipment for use in potentially explosive atmospheres - Part 3: Protection by flameproof enclosure 'd'

Keel: en

Alusdokumendid: EN 13463-3:2005
Standardi staatus: Kehtetu

EVS-EN 1568-3:2008

Tulekustutusained. Vahuained. Osa 3: Madalkordsed vahuained veega mittesegunevate põlevvedelike kustutamiseks
Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids

Keel: en
Alusdokumendid: EN 1568-3:2008
Asendatud järgmise dokumendiga: EVS-EN 1568-3:2018
Parandatud järgmise dokumendiga: EVS-EN 1568-3:2008/AC:2010
Standardi staatus: Kehtetu

EVS-EN 1568-3:2008/AC:2010

Tulekustutusained. Vahuained. Osa 3: Madalkordsed vahuained veega mittesegunevate põlevvedelike kustutamiseks
Fire extinguishing media - Foam concentrates - Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids

Keel: en
Alusdokumendid: EN 1568-3:2008/AC:2010
Asendatud järgmise dokumendiga: EVS-EN 1568-3:2018
Standardi staatus: Kehtetu

EVS-EN 50132-5-3:2012

Alarm systems - CCTV surveillance systems for use in security applications - Part 5-3: Video transmission - Analogue and digital video transmission

Keel: en
Alusdokumendid: EN 50132-5-3:2012
Asendatud järgmise dokumendiga: EVS-EN 62676-3:2015
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 50496:2008

Töötajale toimiva elektromagnetvälja määramine ja riskihinnang ringhäälingujaamas
Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site

Keel: en
Alusdokumendid: EN 50496:2008
Asendatud järgmise dokumendiga: EVS-EN 50496:2018
Standardi staatus: Kehtetu

EVS-EN 60051-5:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 5: Erinõuded faasimõõturitele, võimsusteguri mõõturitele ja sünkronoskoopidele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 5: Special requirements for phase meters, power factor meters and synchroscopes

Keel: en
Alusdokumendid: IEC 51-5:1985; EN 60051-5:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-5:2018
Standardi staatus: Kehtetu

EVS-EN 60051-6:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 6: Erinõuded oommeetritele (impedantsimõõturitele) ja juhtivusmõõturitele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters

Keel: en
Alusdokumendid: IEC 51-6:1984; EN 60051-6:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-6:2018
Standardi staatus: Kehtetu

EVS-EN 60051-7:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 7: Erinõuded multifunktsionaalsetele mõõteriistadele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 7: Special requirements for multi-function instruments

Keel: en
Alusdokumendid: IEC 51-7:1984; EN 60051-7:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-7:2018
Standardi staatus: Kehtetu

EVS-EN 60051-8:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 8: Erinõuded lisaseadmetele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 8: Special requirements for accessories

Keel: en
Alusdokumendid: IEC 51-8:1984; EN 60051-8:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-8:2018
Standardi staatus: Kehtetu

EVS-EN 61125:2002

Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability

Keel: en
Alusdokumendid: IEC 61125:1992 + Cor.:1992; EN 61125:1993
Asendatud järgmise dokumendiga: EVS-EN IEC 61125:2018
Muudetud järgmise dokumendiga: EVS-EN 61125:2002/A1:2004
Standardi staatus: Kehtetu

EVS-EN 61125:2002/A1:2004

Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability

Keel: en
Alusdokumendid: IEC 61125:1992/A1:2004; EN 61125:1993/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 61125:2018
Standardi staatus: Kehtetu

EVS-EN 61340-4-3:2003

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

Keel: en
Alusdokumendid: IEC 61340-4-3:2001; EN 61340-4-3:2001
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-4-3:2018
Standardi staatus: Kehtetu

EVS-EN 61340-4-5:2004

Electrostatics - Part 4-5: Standard test methods for specific applications - Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person

Keel: en
Alusdokumendid: IEC 61340-4-5:2004; EN 61340-4-5:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-4-5:2018
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN ISO 7500-1:2015

Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Verification and calibration of the force-measuring system (ISO 7500-1:2015)

Keel: en
Alusdokumendid: EN ISO 7500-1:2015; ISO 7500-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 7500-1:2018
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 11296-1:2011
Plastics piping systems for renovation of underground nonpressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2009)

Keel: en
Alusdokumendid: ISO 11296-1:2009; EN ISO 11296-1:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 11296-1:2018
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 61804-2:2007
Function Blocks (FB) for process control -- Part 2: Specification of FB concept

Keel: en
Alusdokumendid: IEC 61804-2:2006; EN 61804-2:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61804-2:2018
Standardi staatus: Kehtetu

EVS-EN ISO 10215:2010
Anodizing of aluminium and its alloys - Visual determination of image clarity of anodic oxidation coatings - Chart scale method

Keel: en
Alusdokumendid: ISO 10215:2010; EN ISO 10215:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10215:2018
Standardi staatus: Kehtetu

EVS-EN ISO 2081:2009
Metallic and other inorganic coatings - Electroplated coatings ofzinc with supplementary treatments on iron or steel

Keel: en
Alusdokumendid: ISO 2081:2008; EN ISO 2081:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 2081:2018
Standardi staatus: Kehtetu

EVS-EN ISO 7668:2010
Anodizing of aluminium and its alloys - Measurement of specular reflectance and specular gloss of anodic oxidation coating at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees

Keel: en
Alusdokumendid: ISO 7668:2010; EN ISO 7668:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 7668:2018
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 14511-1:2013
Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 1: Terminid, määratlused ja klassifikatsioon
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 1: Terms, definitions and classification

Keel: en, et
Alusdokumendid: EN 14511-1:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-1:2018
Standardi staatus: Kehtetu

EVS-EN 14511-2:2013
Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 2: Katsetingimused
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 2: Test conditions

Keel: en
Alusdokumendid: EN 14511-2:2013

Asendatud järgmise dokumendiga: EVS-EN 14511-2:2018
Standardi staatus: Kehtetu

EVS-EN 14511-3:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 3: Katsemeetodid
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 3: Test methods

Keel: en
Alusdokumendid: EN 14511-3:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-3:2018
Standardi staatus: Kehtetu

EVS-EN 14511-4:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 4: Kasutusnõuded, tähistus ja juhised
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 4: Operating requirements, marking and instructions

Keel: en, et
Alusdokumendid: EN 14511-4:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-4:2018
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50464-2-1:2007

Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV -- Part 2-1: Distribution transformers with cable boxes on the high-voltage and/or low-voltage side - General requirements

Keel: en
Alusdokumendid: EN 50464-2-1:2007
Asendatud järgmise dokumendiga: EVS-EN 50588-2:2018
Standardi staatus: Kehtetu

EVS-EN 50464-2-2:2007

Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV -- Part 2-2: Distribution transformers with cable boxes on the high-voltage and/or low-voltage side - Cable boxes type 1 for use on distribution transformers meeting the requirements of EN 50464-2-1

Keel: en
Alusdokumendid: EN 50464-2-2:2007
Asendatud järgmise dokumendiga: EVS-EN 50588-3:2018
Standardi staatus: Kehtetu

EVS-EN 50464-2-3:2007

Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV -- Part 2-3: Distribution transformers with cable boxes on the high-voltage and/or low-voltage side - Cable boxes type 2 for use on distribution transformers meeting the requirements of EN 50464-2-1

Keel: en
Alusdokumendid: EN 50464-2-3:2007
Asendatud järgmise dokumendiga: EVS-EN 50588-4:2018
Standardi staatus: Kehtetu

EVS-EN 60099-5:2013

Liigpingepiirikud. Osa 5: Valik ja kasutamissoovitused
Surge arresters - Part 5: Selection and application recommendations (IEC 60099-5:2013)

Keel: en
Alusdokumendid: IEC 60099-5:2013; EN 60099-5:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60099-5:2018
Standardi staatus: Kehtetu

EVS-EN 60230:2003
Impulse tests on cables and their accessories

Keel: en
Alusdokumendid: IEC 60230:1966; EN 60230:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 60230:2018
Standardi staatus: Kehtetu

EVS-EN 60598-2-17:2001
Valgustid. Osa 2: Erinõuded. Jagu 17: Valgustid lavavalgustuseks, televisiooni-, filmi- ja fotostuudiotele (väljas ja sees)
Luminaires - Part 2: Particular requirements - Section 17: Luminaires for stage lighting, television, film and photographic studios (outdoor and indoor)

Keel: en
Alusdokumendid: IEC 598-2-17:1984+ A1,2:1984; EN 60598-2-17:1989+ A2:1991
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-2-17:2018
Standardi staatus: Kehtetu

EVS-EN 61125:2002
Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability

Keel: en
Alusdokumendid: IEC 61125:1992 + Cor.:1992; EN 61125:1993
Asendatud järgmise dokumendiga: EVS-EN IEC 61125:2018
Muudetud järgmise dokumendiga: EVS-EN 61125:2002/A1:2004
Standardi staatus: Kehtetu

EVS-EN 61125:2002/A1:2004
Unused hydrocarbon-based insulating liquids - Test methods for evaluating the oxidation stability

Keel: en
Alusdokumendid: IEC 61125:1992/A1:2004; EN 61125:1993/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 61125:2018
Standardi staatus: Kehtetu

EVS-EN 61204-7:2007
Madalpingelised alalisvooluväljundiga toiteallikad. Osa 7: Ohutusnõuded
Low voltage power supplies, d.c. output -- Part 7: Safety requirements

Keel: en
Alusdokumendid: IEC 61204-7:2006; EN 61204-7:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 61204-7:2018
Muudetud järgmise dokumendiga: EVS-EN 61204-7:2007/A11:2009
Standardi staatus: Kehtetu

EVS-EN 61204-7:2007/A11:2009
Madalpingelised alalisvooluväljundiga toiteallikad. Osa 7: Ohutusnõuded
Low voltage power supplies, d.c. output -- Part 7: Safety requirements

Keel: en
Alusdokumendid: EN 61204-7:2006/A11:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61204-7:2018
Standardi staatus: Kehtetu

EVS-EN 61340-4-3:2003
Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

Keel: en
Alusdokumendid: IEC 61340-4-3:2001; EN 61340-4-3:2001
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-4-3:2018
Standardi staatus: Kehtetu

EVS-EN 62199:2004
Bushings for d.c. application

Keel: en
Alusdokumendid: IEC 62199:2004; EN 62199:2004
Asendatud järgmise dokumendiga: EVS-EN IEC/IEEE 65700:2018
Standardi staatus: Kehtetu

EVS-EN 62561-2:2012
Lightning Protection System Components (LPSC) - Part 2: Requirements for conductors and earth electrodes

Keel: en
Alusdokumendid: IEC 62561-2:2012; EN 62561-2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-2:2018
Standardi staatus: Kehtetu

EVS-EN 62561-6:2011
Lightning Protection System Components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)

Keel: en
Alusdokumendid: IEC 62561-6:2011; EN 62561-6:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-6:2018
Standardi staatus: Kehtetu

EVS-EN 62561-7:2012
Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds

Keel: en
Alusdokumendid: IEC 62561-7:2011; EN 62561-7:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-7:2018
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 60512-15-2:2008
Connectors for electronic equipment - Tests and measurements -- Part 15-2: Connector tests (mechanical) - Test 15b: Insert retention in housing (axial)

Keel: en
Alusdokumendid: IEC 60512-15-2:2008; EN 60512-15-2:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60512-15-2:2018
Standardi staatus: Kehtetu

EVS-EN 60512-8-3:2011
Connectors for electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever

Keel: en
Alusdokumendid: IEC 60512-8-3:2011; EN 60512-8-3:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60512-8-3:2018
Standardi staatus: Kehtetu

EVS-EN 60749-26:2014
Semiconductor devices - Mechanical and climatic test methods - Part 26: Electrostatic discharge (ESD) sensitivity testing - Human body model (HBM)

Keel: en
Alusdokumendid: IEC 60749-26:2013; EN 60749-26:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60749-26:2018
Standardi staatus: Kehtetu

EVS-EN 61643-331:2003
Components for low-voltage surge protective devices - Part 331: Specification for metal oxide varistors (MOV)

Keel: en
Alusdokumendid: IEC 61643-331:2003; EN 61643-331:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 61643-331:2018
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 50132-5-3:2012
Alarm systems - CCTV surveillance systems for use in security applications - Part 5-3: Video transmission - Analogue and digital video transmission

Keel: en
Alusdokumendid: EN 50132-5-3:2012
Asendatud järgmise dokumendiga: EVS-EN 62676-3:2015
Standardi staatus: Kehtetu

EVS-EN 55013:2013

Raadioringhäälingu ja televisioonilevi vastuvõtjad ja kaasseadmed. Raadiohäiringu tunnussuurused. Piirväärtused ja mõõtemeetodid
Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 13:2009, modified)

Keel: en
Alusdokumendid: CISPR 13:2009; EN 55013:2013
Asendatud järgmise dokumendiga: EVS-EN 55032:2012
Muudetud järgmise dokumendiga: EVS-EN 55013:2013/A1:2016
Standardi staatus: Kehtetu

EVS-EN 55013:2013/A1:2016

Raadioringhäälingu ja televisioonilevi vastuvõtjad ja kaasseadmed. Raadiohäiringu tunnussuurused. Piirväärtused ja mõõtemeetodid
Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement

Keel: en
Alusdokumendid: CISPR 13:2009/A1:2015; EN 55013:2013/A1:2016
Asendatud järgmise dokumendiga: EVS-EN 55032:2012
Standardi staatus: Kehtetu

EVS-EN 55022:2011

Infotehnoloogiaseadmed. Raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemeetodid
Information technology equipment - Radio disturbance characteristics – Limits and methods of measurement

Keel: en, et
Alusdokumendid: CISPR 22:2008; EN 55022:2010
Asendatud järgmise dokumendiga: EVS-EN 50561-1:2013
Parandatud järgmise dokumendiga: EVS-EN 55022:2011/AC:2011
Standardi staatus: Kehtetu

EVS-EN 55022:2011/AC:2011

Infotehnoloogiaseadmed. Raadiohäiringute tunnussuurused. Piirväärtused ja mõõtemeetodid
Information technology equipment - Radio disturbance characteristics – Limits and methods of measurement

Keel: en
Alusdokumendid: EN 55022:2010/AC:2011
Asendatud järgmise dokumendiga: EVS-EN 50561-1:2013
Standardi staatus: Kehtetu

EVS-EN 55103-1:2009

Elektromagnetiline ühilduvus. Professionaalseks kasutamiseks mõeldud audio-, video- ning audiovisuaalsüsteemide ja etendusvalgustuse juhtseadmete tooteperekonna standard. Osa 1: Emissioon
Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use Part 1: Emissions

Keel: en
Alusdokumendid: EN 55103-1:2009
Asendatud järgmise dokumendiga: EVS-EN 55032:2012
Muudetud järgmise dokumendiga: EVS-EN 55103-1:2009/A1:2012
Standardi staatus: Kehtetu

EVS-EN 55103-1:2009/A1:2012

Elektromagnetiline ühilduvus. Professionaalseks kasutamiseks mõeldud audio-, video- ning audiovisuaalsüsteemide ja etendusvalgustuse juhtseadmete tooteperekonna standard. Osa 1: Emissioon
Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 1: Emissions

Keel: en

Alusdokumendid: EN 55103-1:2009/A1:2012
Asendatud järgmise dokumendiga: EVS-EN 55032:2012
Standardi staatus: Kehtetu

EVS-EN 60793-1-54:2013

Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation (IEC 60793-1-54:2012)

Keel: en
Alusdokumendid: IEC 60793-1-54:2012; EN 60793-1-54:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60793-1-54:2018
Standardi staatus: Kehtetu

EVS-EN 61754-7:2008

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 7: Type MPO connector family

Keel: en
Alusdokumendid: IEC 61754-7:2008; EN 61754-7:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 61754-7-2:2018
Osaliselt asendatud järgmise dokumendiga: EVS-EN 61754-7-1:2014
Standardi staatus: Kehtetu

EVS-EN 61938:2013

Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability

Keel: en
Alusdokumendid: IEC 61938:2013; EN 61938:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61938:2018
Standardi staatus: Kehtetu

EVS-EN 62731:2013

Text-to-speech for television - General requirements (IEC 62731:2013)

Keel: en
Alusdokumendid: IEC 62731:2013; EN 62731:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62731:2018
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN 61804-2:2007

Function Blocks (FB) for process control -- Part 2: Specification of FB concept

Keel: en
Alusdokumendid: IEC 61804-2:2006; EN 61804-2:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61804-2:2018
Standardi staatus: Kehtetu

EVS-EN 61938:2013

Multimedia systems - Guide to the recommended characteristics of analogue interfaces to achieve interoperability

Keel: en
Alusdokumendid: IEC 61938:2013; EN 61938:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61938:2018
Standardi staatus: Kehtetu

39 TÄPPISMEHAANIKA. JUVEELITOOTED

EVS-EN 28654:2000

Kullasulamite värvused. Määratlus, värvusskaala ja tähistamine
Colours of gold alloys - Definition, range of colours and designation

Keel: en
Alusdokumendid: ISO 8654:1987; EN 28654:1992
Asendatud järgmise dokumendiga: EVS-EN ISO 8654:2018
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 13361:2013
Geosünteettõkked. Nõutavad omadused kasutamiseks hoidlate ja tammide ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams

Keel: en
Alusdokumendid: EN 13361:2013
Asendatud järgmise dokumendiga: EVS-EN 13361:2018
Standardi staatus: Kehtetu

EVS-EN 13362:2013
Geosünteettõkked. Nõutavad omadused kasutamiseks kanalite ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of canals

Keel: en
Alusdokumendid: EN 13362:2013
Asendatud järgmise dokumendiga: EVS-EN 13362:2018
Standardi staatus: Kehtetu

EVS-EN 13491:2013
Geosünteettõkked. Nõutavad omadused kasutamiseks tunnelite ja nendega seotud maaaluste ehitiste vedelikutõkete ehitamisel
Geosynthetic Barriers - Characteristics required for use as a fluid barrier in the construction of tunnels and associated underground structures

Keel: en
Alusdokumendid: EN 13491:2013
Asendatud järgmise dokumendiga: EVS-EN 13491:2018
Standardi staatus: Kehtetu

EVS-EN 1883:2001
Feather and down - Sampling in view of tests

Keel: en
Alusdokumendid: EN 1883:1998
Asendatud järgmise dokumendiga: EVS-EN 1883:2018
Standardi staatus: Kehtetu

61 RÕIVATÖÖSTUS

EVS-EN 61340-4-3:2003
Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear

Keel: en
Alusdokumendid: IEC 61340-4-3:2001; EN 61340-4-3:2001
Asendatud järgmise dokumendiga: EVS-EN IEC 61340-4-3:2018
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

CEN/TR 15993:2013
Automotive fuels - Ethanol (E85) automotive fuel - Background to the parameters required and their respective limits and determination

Keel: en
Alusdokumendid: CEN/TR 15993:2013
Asendatud järgmise dokumendiga: CEN/TR 15993:2018
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

CEN/TR 15993:2013
Automotive fuels - Ethanol (E85) automotive fuel - Background to the parameters required and their respective limits and determination

Keel: en
Alusdokumendid: CEN/TR 15993:2013
Asendatud järgmise dokumendiga: CEN/TR 15993:2018

Standardi staatus: Kehtetu

EVS-EN 1431:2009
Bitumen and bituminous binders - Determination of residual binder and oil distillate from bitumen emulsions by distillation

Keel: en
Alusdokumendid: EN 1431:2009
Asendatud järgmise dokumendiga: EVS-EN 1431:2018
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN ISO 6507-4:2006
Metallic materials - Vickers hardness test - Part 4: Tables and hardness values

Keel: en
Alusdokumendid: ISO 6507-4:2005; EN ISO 6507-4:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 6507-4:2018
Standardi staatus: Kehtetu

EVS-EN ISO 7500-1:2015
Metallic materials - Verification of static uniaxial testing machines - Part 1: Tension/compression testing machines - Verification and calibration of the force-measuring system (ISO 7500-1:2015)

Keel: en
Alusdokumendid: EN ISO 7500-1:2015; ISO 7500-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 7500-1:2018
Standardi staatus: Kehtetu

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 12944-5:2007
Värvid ja lakid. Teraskonstruktsioonide korrosioonitõrje värvkattesüsteemidega. Osa 5: Kaitsevärvkattesüsteemid
Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 5: Protective paint systems

Keel: en, et
Alusdokumendid: ISO 12944-5:2007; EN ISO 12944-5:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 12944-5:2018
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS 812-3:2013
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Muudetud järgmise dokumendiga: EVS 812-3:2013/A1:2015
Parandatud järgmise dokumendiga: EVS 812-3:2013/AC:2013
Parandatud järgmise dokumendiga: EVS 812-3:2013/AC:2014
Standardi staatus: Kehtetu

EVS 812-3:2013/A1:2015
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013/AC:2013
Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et

Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013/AC:2014

Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS 812-3:2013+A1:2015

Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Keel: et
Alusdokumendid: EVS 812-3:2013; EVS 812-3:2013/A1:2015; EVS 812-3:2013/AC:2014; EVS 812-3:2013/AC:2013
Asendatud järgmise dokumendiga: EVS 812-3:2018
Standardi staatus: Kehtetu

EVS-EN 13361:2013

Geosünteettõkked. Nõutavad omadused kasutamiseks hoidlate ja tammide ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams

Keel: en
Alusdokumendid: EN 13361:2013
Asendatud järgmise dokumendiga: EVS-EN 13361:2018
Standardi staatus: Kehtetu

EVS-EN 13362:2013

Geosünteettõkked. Nõutavad omadused kasutamiseks kanalite ehitusel
Geosynthetic barriers - Characteristics required for use in the construction of canals

Keel: en
Alusdokumendid: EN 13362:2013
Asendatud järgmise dokumendiga: EVS-EN 13362:2018
Standardi staatus: Kehtetu

EVS-EN 13491:2013

Geosünteettõkked. Nõutavad omadused kasutamiseks tunnelite ja nendega seotud maaaluste ehitiste vedelikutõkete ehitamisel
Geosynthetic Barriers - Characteristics required for use as a fluid barrier in the construction of tunnels and associated underground structures

Keel: en
Alusdokumendid: EN 13491:2013
Asendatud järgmise dokumendiga: EVS-EN 13491:2018
Standardi staatus: Kehtetu

EVS-EN 1431:2009

Bitumen and bituminous binders - Determination of residual binder and oil distillate from bitumen emulsions by distillation

Keel: en
Alusdokumendid: EN 1431:2009
Asendatud järgmise dokumendiga: EVS-EN 1431:2018
Standardi staatus: Kehtetu

EVS-EN 14511-1:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 1: Terminid, määratlused ja klassifikatsioon
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 1: Terms, definitions and classification

Keel: en, et
Alusdokumendid: EN 14511-1:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-1:2018
Standardi staatus: Kehtetu

EVS-EN 14511-2:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 2: Katsetingimused
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 2: Test conditions

Keel: en
Alusdokumendid: EN 14511-2:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-2:2018
Standardi staatus: Kehtetu

EVS-EN 14511-3:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 3: Katsemeetodid
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 3: Test methods

Keel: en
Alusdokumendid: EN 14511-3:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-3:2018
Standardi staatus: Kehtetu

EVS-EN 14511-4:2013

Õhu konditsioneerid, elektrikompressoritega vedelikjahutusseadmed ja soojuspumbad ruumide kütteks ja jahutuseks. Osa 4: Kasutusnõuded, tähistus ja juhised
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 4: Operating requirements, marking and instructions

Keel: en, et
Alusdokumendid: EN 14511-4:2013
Asendatud järgmise dokumendiga: EVS-EN 14511-4:2018
Standardi staatus: Kehtetu

EVS-EN 16205:2013

Laboratory measurement of walking noise on floors

Keel: en
Alusdokumendid: EN 16205:2013
Asendatud järgmise dokumendiga: EVS-EN 16205:2013+A1:2018
Standardi staatus: Kehtetu

EVS-EN 62561-2:2012

Lightning Protection System Components (LPSC) - Part 2: Requirements for conductors and earth electrodes

Keel: en
Alusdokumendid: IEC 62561-2:2012; EN 62561-2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-2:2018
Standardi staatus: Kehtetu

EVS-EN 62561-6:2011

Lightning Protection System Components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)

Keel: en
Alusdokumendid: IEC 62561-6:2011; EN 62561-6:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-6:2018
Standardi staatus: Kehtetu

EVS-EN 62561-7:2012

Lightning Protection System Components (LPSC) - Part 7: Requirements for earthing enhancing compounds

Keel: en
Alusdokumendid: IEC 62561-7:2011; EN 62561-7:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-7:2018
Standardi staatus: Kehtetu

EVS-EN 81-21:2009+A1:2012

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Inimeste ja kauba transpordi liftid. Osa 21: Olemasolevatesse hoonetesse paigaldatavad uued inimeste ja kauba transpordi liftid KONSOLIDEERITUD TEKST
Safety rules for the construction and installation of lifts - Lifts for the transport of persons and goods - Part 21: New passenger and goods passenger lifts in existing buildings CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 81-21:2009+A1:2012
Asendatud järgmise dokumendiga: EVS-EN 81-21:2018
Standardi staatus: Kehtetu

EVS-EN 81-58:2003

Liftide valmistamise ja paigaldamise ohutuseeskirjad. Ülevaatus ja katsetamine. Osa 58: Lifti uste tulekindluse test
Safety rules for the construction and installation of lifts - Examination and tests - Part 58: Landing doors fire resistance test

Keel: en
Alusdokumendid: EN 81-58:2003
Asendatud järgmise dokumendiga: EVS-EN 81-58:2018
Standardi staatus: Kehtetu

EVS-EN ISO 10545-3:2000

Kahlid. Osa 3: Veeimavus, näivpoorsus, näiv suhteline tihedus ja ruumtihedus
Ceramic tiles - Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density

Keel: en
Alusdokumendid: ISO 10545-3:1995 + Cor.1:1995; EN ISO 10545-3:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 10545-3:2018
Standardi staatus: Kehtetu

EVS-EN ISO 11296-1:2011

Plastics piping systems for renovation of underground nonpressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2009)

Keel: en
Alusdokumendid: ISO 11296-1:2009; EN ISO 11296-1:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 11296-1:2018
Standardi staatus: Kehtetu

93 RAJATISED

CEN ISO/TS 17892-8:2004

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test

Keel: en
Alusdokumendid: ISO/TS 17892-8:2004; CEN ISO/TS 17892-8:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 17892-8:2018
Standardi staatus: Kehtetu

EVS-EN 12274-1:2002

Mössiga pindamine. Katsemeetodid. Osa 1: Proovivõtt ekstraheerimiseks
Slurry surfacing - Test methods - Part 1: Sampling for binder extraction

Keel: en, et
Alusdokumendid: EN 12274-1:2002
Asendatud järgmise dokumendiga: EVS-EN 12274-1:2018
Standardi staatus: Kehtetu

EVS-EN 12274-2:2003

Mössiga pindamine. Katsemeetodid. Osa 2: Sideainesisalduse määramine
Slurry surfacing - Test methods - Part 2: Determination of residual binder content

Keel: en, et
Alusdokumendid: EN 12274-2:2003
Asendatud järgmise dokumendiga: EVS-EN 12274-2:2018

Standardi staatus: Kehtetu

EVS-EN 12274-3:2002

Mössiga pindamine. Katsemeetodid. Osa 3: Konsistents
Slurry surfacing - Test methods - Part 3: Consistency

Keel: en, et
Alusdokumendid: EN 12274-3:2002
Asendatud järgmise dokumendiga: EVS-EN 12274-3:2018
Standardi staatus: Kehtetu

EVS-EN 12274-5:2003

Mössiga pindamine. Katsemeetodid. Osa 5: Kulumiskindluse määramine
Slurry surfacing - Test method - Part 5: Determination of wearing

Keel: en, et
Alusdokumendid: EN 12274-5:2003
Asendatud järgmise dokumendiga: EVS-EN 12274-5:2018
Standardi staatus: Kehtetu

EVS-EN 12274-6:2002

Mössiga pindamine. Katsemeetodid. Osa 6: Paigaldusnormi määramine
Slurry surfacing - Test methods - Part 6: Rate of application

Keel: en, et
Alusdokumendid: EN 12274-6:2002
Asendatud järgmise dokumendiga: EVS-EN 12274-6:2018
Standardi staatus: Kehtetu

EVS-EN ISO 11296-1:2011

Plastics piping systems for renovation of underground nonpressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2009)

Keel: en
Alusdokumendid: ISO 11296-1:2009; EN ISO 11296-1:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 11296-1:2018
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 13878
Leisure accommodation vehicles - Terms and definitions

This European Standard defines, in alphabetical order, terms relating to leisure accommodation vehicles (see 2.19) which are caravans (see 2.5), caravan holiday homes (see 2.6) and motor caravans (see 2.24). These terms are used in EN 721, EN 722-1, EN 1645-1, EN 1646-1, EN 1647, EN 1648-1 and EN 1648-2.

Keel: en
Alusdokumendid: prEN 13878
Asendab dokumenti: EVS-EN 13878:2003

Arvamusküsitluse lõppkuupäev: 02.06.2018

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

FprEN 9107
Aerospace series - Quality systems - Direct Delivery Authorization - Guidance for Aerospace Companies

1.1 General Limited to the commercial aerospace industry where a request is made for a PO to have Direct Delivery Authorization (DDA), which includes an Appropriate Arrangement (AA) between the PO and the Design Organisation (DO). In this process the DO is responsible for ensuring the continuous updating of design and airworthiness data to the PO, whilst the PO is responsible for assurance that the manufactured article conforms to approved design and airworthiness data. The PO is responsible to provide airworthiness release documentation. 1.2 Purpose This document provides guidance to a PO and DO on how to comply with the DDA, including AA requirements per the applicable documents referenced in Clause 2 (see Figure 1). (...)

Keel: en
Alusdokumendid: FprEN 9107

Arvamusküsitluse lõppkuupäev: 02.06.2018

11 TERVISEHOOLDUS

EN 13718-1:2014/prA1
Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Aerokiirabi. Osa 1: Nõuded aerokiirabis kasutatavatele meditsiiniseadmetele
Medical vehicles and their equipment - Air ambulances - Part 1: Requirements for medical devices used in air ambulances

This European Standard specifies general requirements for medical devices carried in air ambulances and used therein and outside hospitals and clinics in situations where the ambient conditions can differ from normal indoor conditions. This European Standard does not cover the requirements for approval and registration of the vehicle and the training of the staff which is the responsibility of the authority/authorities in the country where the ambulance is to be registered.

Keel: en
Alusdokumendid: EN 13718-1:2014/prA1

Muudab dokumenti: EVS-EN 13718-1:2014

Arvamusküsitluse lõppkuupäev: 02.06.2018

EN 13718-2:2015/prA1

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Aerokiirabi. Osa 2: Aerokiirabi toimimis- ja tehnilised nõuded
Medical vehicles and their equipment - Air ambulances - Part 2: Operational and technical requirements for air ambulances

This part of EN 13718 specifies the requirements for performance and equipping for air ambulances, including requirements for interfaces to medical devices used for the transport and treatment of sick or injured persons. This part of EN 13718 is applicable to air ambulances capable of transporting at least one person on a stretcher. NOTE Requirements are specified for categories of air ambulances based on the different intended use. These are the helicopter emergency medical service (HEMS) the helicopter intensive care medical service (HICAMS) and the fixed wing air ambulance (FWAA).

Keel: en
Alusdokumendid: EN 13718-2:2015/prA1
Muudab dokumenti: EVS-EN 13718-2:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 4049

Dentistry - Polymer-based restorative materials (ISO/DIS 4049:2018)

This International Standard specifies requirements for dental polymer-based restorative materials supplied in a form suitable for mechanical mixing, hand-mixing, or intra-oral and extra-oral external energy activation, and intended for use primarily for the direct or indirect restoration of the teeth and for luting. The polymer-based luting materials covered by this standard are intended for use in the cementation or fixation of restorations and appliances such as inlays, onlays, veneers, crowns and bridges. This standard does not cover those polymer-based luting materials that have an adhesive component within the structure of the material (see ISO/TS 16506). The standard does not cover polymer-based materials intended to prevent caries (see ISO 6874), core materials or those used for veneering metal sub-frames (see ISO 10477).

Keel: en
Alusdokumendid: ISO/DIS 4049; prEN ISO 4049
Asendab dokumenti: EVS-EN ISO 4049:2009

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 8536-4

Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed (ISO/DIS 8536-4:2018)

This document specifies requirements for single use, gravity feed infusion sets for medical use in order to ensure their compatibility with containers for infusion solutions and intravenous equipment. Secondary aims of this document are to provide guidance on specifications relating to the quality and performance of materials used in infusion sets and to present designations for infusion set components. NOTE In some countries, the national pharmacopoeia or other national regulations are legally binding and take precedence over this document.

Keel: en
Alusdokumendid: ISO/DIS 8536-4; prEN ISO 8536-4
Asendab dokumenti: EVS-EN ISO 8536-4:2013
Asendab dokumenti: EVS-EN ISO 8536-4:2013/A1:2013

Arvamusküsitluse lõppkuupäev: 02.06.2018

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 54-13:2017/prA1

Automaatne tulekahjusignalisatsioonisüsteem. Osa 13: Süsteemi komponentide ühilduvuse ja ühendatavuse hindamine
Fire detection and fire alarm systems - Part 13: Compatibility and connectability assessment of system components

This document specifies the requirements for compatibility and connectability assessment of components of fire detection and fire alarm system or voice alarm system as a subsystem of fire detection and fire alarm system. The components comply either with the requirements of EN 54 or with a manufacturer's specification where there is no EN 54 standard. This document only includes system requirements when these are necessary for compatibility assessment. This document covers transmission path only between components. However ,requirements for TP between components of a function which is distributed are covered by the relevant EN 54 standard and not by this document. This document also specifies requirements for the integrity of the fire detection and fire alarm system when connected to other systems. This document does not specify the manner in which the system is designed, installed and used in any particular application. This document recognizes that it is not practical to assess the compatibility or connectability of components in all possible configurations. Methods of assessment are specified to reach an acceptable degree of confidence within pre-determined operational and environmental conditions. This document specifies requirements related to compatibility and connectability assessment methods and tests for the components belonging to FDAS or connecting FDAS. This document does not cover components or functions which are not included in a FDAS. This document is

applicable to systems where the components are interconnected by electrical wires or optical fibre or by radio frequency links or by any combination. For other interconnection technology between components , this standard may be used as a guidance. NOTE Other European Standards are expected to cover the requirements of the other systems to which the fire detection and fire alarm system may be connected.

Keel: en
Alusdokumendid: EN 54-13:2017/prA1
Muudab dokumenti: EVS-EN 54-13:2017

Arvamusküsitluse lõppkuupäev: 02.06.2018

EN ISO 16558-1:2015/prA1

Soil quality - Risk-based petroleum hydrocarbons - Part 1: Determination of aliphatic and aromatic fractions of volatile petroleum hydrocarbons using gas chromatography (static headspace method) - Amendment 1 (ISO 16558-1:2015/DAM 1:2018)

Amendment for EN ISO 16558-1:2015

Keel: en
Alusdokumendid: ISO 16558-1:2015/DAmd 1; EN ISO 16558-1:2015/prA1
Muudab dokumenti: EVS-EN ISO 16558-1:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 13274-7

Respiratory protective devices - Methods of test - Part 7: Determination of particle filter penetration

This European Standard specifies the procedure for testing particle filter penetration for respiratory protective devices.

Keel: en
Alusdokumendid: prEN 13274-7
Asendab dokumenti: EVS-EN 13274-7:2008

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 15254-3

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 3: Lightweight partitions

This document provides guidance and, where appropriate, defines procedures for variations of certain parameters and factors associated with the design of lightweight partitions which have been tested in accordance with EN 1364-1, and classified according to EN 13501-2. This document only applies to non-loadbearing lightweight partitions with a single steel framework, provided at both sides with a lining. The lightweight partition can be insulated or not with a mineral wool insulation. This document does not apply to any other types of non-loadbearing walls considered in EN 1364-1.

Keel: en
Alusdokumendid: prEN 15254-3

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 16192

Waste - Analysis of eluates

This European Standard specifies methods for the determination of the parameters pH, ammonium, AOX, As, Ba, Cd, Cl-, easily liberatable CN-, Co, Cr, Cr(VI), Cu, DOC/TOC, electrical conductivity, F-, Hg, Mo, Ni, NO2-, Pb, phenol index, total S, Sb, Se, SO42-, TDS, V and Zn in aqueous eluates for the characterization of waste.

Keel: en
Alusdokumendid: prEN 16192
Asendab dokumenti: EVS-EN 16192:2011

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 11274

Soil quality - Determination of the water-retention characteristic - Laboratory methods (ISO/DIS 11274:2018)

This document specifies laboratory methods for determination of the soil water-retention characteristic. This International Standard applies only to measurements of the drying or desorption curve. Four methods are described to cover the complete range of soil water pressures as follows: a) method using sand, kaolin or ceramic suction tables for determination of matric pressures from 0 kPa to −50 kPa; b) method using a porous plate and burette apparatus for determination of matric pressures from 0 kPa to −20 kPa; c) method using a pressurized gas and a pressure plate extractor for determination of matric pressures from −5 kPa to −1 500 kPa; d) method using a pressurized gas and pressure membrane cells for determination of matric pressures from −33 kPa to −1 500 kPa. Guidelines are given to select the most suitable method in a particular case.

Keel: en
Alusdokumendid: ISO/DIS 11274; prEN ISO 11274
Asendab dokumenti: EVS-EN ISO 11274:2014

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEVS 812-7

Ehitiste tuleohutus. Osa 7: Ehitisele esitatavad tuleohutusnõuded
Fire safety of constructions Part 7: Fire safety requirements for buildings

Käesolev standard annab selgitused ja tüüplahendused standardolukordade lahendamiseks määrusega kehtestatud oluliste tuleohutusnõuete tagamisel ja minimaalse ohutustaseme määratlemisel. Erilahenduste ohutust on endiselt võimalik tõendada ka muul usaldusväärsel viisil, kui on tagatud oluliste nõuete minimaalne tase.

Keel: et
Asendab dokumenti: EVS 812-7:2008
Asendab dokumenti: EVS 812-7:2008/AC:2011
Asendab dokumenti: EVS 812-7:2008/AC:2016

Arvamusküsitluse lõppkuupäev: 02.05.2018

prHD 60364-8-1:2018

Low-voltage electrical installations - Part 8-1: Energy efficiency

This part 8-1 of IEC 60364 provides additional requirements, measures and recommendations for the design, erection, operation and verification of all types of low voltage electrical installation including local production and storage of energy for optimizing the overall efficient use of electricity. It introduces requirements, recommendations and methods for the design and the energy efficiency (EE) assessment of an electrical installation within the framework of an energy efficiency management approach in order to get the best permanent functionally equivalent service for the lowest electrical energy consumption and the most acceptable energy availability and economic balance. These requirements, recommendations and methods apply, within the scope of the IEC 60364 series, for new installations and modification of existing installations. This document is applicable to the electrical installation of a building or system and does not apply to products. The energy efficiency of these products and their operational requirements are covered by the relevant product standards. Where another standard provides specific requirements for a particular system or installation application (e.g. manufacturing system covered by ISO 20140 series), those requirements supersede this document. This document does not specifically address building automation systems. This basic energy efficiency publication is primarily intended to be used as an EE standard for the LV electrical installations mentioned in this scope, but is also intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 119 and IEC Guide 118.

Keel: en
Alusdokumendid: IEC 60364-8-1:201X; prHD 60364-8-1:2018
Asendab dokumenti: EVS-HD 60364-8-1:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN 60565-2:2018

Underwater acoustics - Hydrophones - Calibration of hydrophones, Part 2: Procedures for low frequency pressure calibration

This International Standard specifies the methods for low frequency pressure calibration of hydrophones at frequencies from 0,01 Hz to several kilohertz depending on calibration method.

Keel: en
Alusdokumendid: IEC 60565-2:201X; prEN 60565-2:2018

Arvamusküsitluse lõppkuupäev: 02.06.2018

19 KATSETAMINE

prEN 60068-2-85:2018

Environmental testing - Part 2-85: Tests - Test 85: Vibration, long time history replication

This part of IEC 60068 demonstrates the adequacy of specimens to resist dynamic loads without unacceptable degradation of its functional and/or structural integrity when subjected to the specified vibration test requirements as defined by a time history (Long Time History Replication). These can either be recorded in measurement exercises or generated artificially. In both cases, this method allows for generating a test tailored to very specific application. Typical applications are tests in which very specific deterministic transient, periodical or random excitation is necessary and the characteristics of the motion are not covered by other test standards. This includes time histories not sufficiently represented by the standard shock tests of IEC 60068-2-27 or a general description by a shock response spectrum as in IEC 60068-2-81; periodical vibration that is not covered by a sinusoidal waveform as in IEC 60068-2-6; random vibration that is not covered by the description of Gaussian broad-band random vibration of IEC 60068-2-64. However, the user shall be aware that long time history replication uses a deterministic time history. Simulation of random vibration of any kind is approximated by quasi-random. In addition, additional mixed mode tests are possible with this test method by generating time histories that are representations of the required test signals. This includes tests of high complexity. The purpose of this test is different from IEC 60068-2-57. The purpose of IEC 60068-2-57 is an evaluation for a transient vibration using mainly a synthesized time history. A long time history test is mainly used for a durability and functionality test using an actual time history measured in a real field environment. It may also be used as a method to apply a simulated non-gaussian time history.

Keel: en
Alusdokumendid: IEC 60068-2-85:201X; prEN 60068-2-85:2018

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 61010-2-010:2018

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-010: Particular requirements for laboratory equipment for the heating of Materials

Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the first paragraph by the following: This group safety publication is primarily intended to be used as a product safety standard for the products mentioned in the scope, but shall also be used by technical committees in the preparation of its publications for products similar to those mentioned in the scope of this standard, in accordance with the principles laid down in IEC guide 104 and ISO/IEC Guide 51. This Part 2 of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever the heating of materials is one of the functions of the equipment. Addition: Add the following text after c): If all or part of the equipment falls within the scope of one or more other part 2 standards of IEC 61010 as well as within the scope of this standard, it will also need to meet the requirement of those other part 2 standards, In particular, if equipment is intended to be used for IVD purposes, it will also need to meet the requirements of IEC 61010-2-101. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more sever HAZARDS than if treated separately then the application of IEC 61010-2-012 should be considered instead of this part 2. See further information in the flow chart for selection process and guidance in the introduction.

Keel: en
Alusdokumendid: IEC 61010-2-010:201X; prEN 61010-2-010:2018
Asendab dokumenti: EVS-EN 61010-2-010:2014

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 61010-2-012:2018

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

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

Keel: en
Alusdokumendid: IEC 61010-2-012:201X; prEN 61010-2-012:2018
Asendab dokumenti: EVS-EN 61010-2-012:2016

Arvamusküsitluse lõppkuupäev: 02.06.2018

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN ISO 3269

Fasteners - Acceptance inspection (ISO/DIS 3269:2018)

This International Standard describes an inspection procedure to be used by the purchaser where no prior agreement exists. It also describes a reference acceptance procedure for acceptance or rejection of an inspection lot, when no agreement can be reached between the purchaser and the supplier, or where conformance to specification is disputed. It applies to inspection lots of bolts, screws, studs, nuts, pins, washers, rivets and other related fasteners. For in-process control procedure or inspection during manufacturing or sorting, see ISO 16426.

Keel: en
Alusdokumendid: ISO/DIS 3269; prEN ISO 3269
Asendab dokumenti: EVS-EN ISO 3269:2000

Arvamusküsitluse lõppkuupäev: 02.06.2018

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 16125

LPG Equipment and Accessories - Pipework systems and supports - LPG in liquid phase and vapour pressure phase

This document specifies the requirements for the design, construction, testing, commissioning, operation and maintenance of LPG pipework in both the liquid phase and at full vapour pressure. This document is applicable to LPG pipework having a maximum allowable pressure of less than or equal to 25 bar. This document is applicable to new LPG pipework as well as to

replacements of, or extensions to, existing LPG pipework. This document is not applicable to: - pipelines and their accessories; - pipework for the propulsion systems of road vehicles or boats; and - pipework on ships.

Keel: en
Alusdokumendid: prEN 16125
Asendab dokumenti: EVS-EN 16125:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN 50465:2015/prA1:2018

Gas appliances - Combined heat and power appliance of nominal heat input inferior or equal to 70 kW

Amendment for EN 50465:2015

Keel: en
Alusdokumendid: EN 50465:2015/prA1:2018
Muudab dokumenti: EVS-EN 50465:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 60045-1:2018

Steam turbines - Part 1: Specifications

This part of International Standard IEC 60045 is applicable primarily to land based horizontal steam turbines driving generators for electrical power services. Some of its provisions are relevant to turbines for other applications Generator, gear box and other auxiliaries which shall be considered as a part of the system are also mentioned in this standard. Detailed specifications for this equipment are not included in this standard. The purpose of this part is to make an intending purchaser aware of options and alternatives which he may wish to consider, and to enable him to state his technical requirements clearly to potential suppliers. Consequently, final technical requirements shall be in accordance with an agreement between the purchaser and the supplier in the contract.

Keel: en
Alusdokumendid: IEC 60045-1:201X; prEN 60045-1:2018
Asendab dokumenti: EVS-EN 60045-1:2003

Arvamusküsitluse lõppkuupäev: 02.06.2018

prHD 60364-8-1:2018

Low-voltage electrical installations - Part 8-1: Energy efficiency

This part 8-1 of IEC 60364 provides additional requirements, measures and recommendations for the design, erection, operation and verification of all types of low voltage electrical installation including local production and storage of energy for optimizing the overall efficient use of electricity. It introduces requirements, recommendations and methods for the design and the energy efficiency (EE) assessment of an electrical installation within the framework of an energy efficiency management approach in order to get the best permanent functionally equivalent service for the lowest electrical energy consumption and the most acceptable energy availability and economic balance. These requirements, recommendations and methods apply, within the scope of the IEC 60364 series, for new installations and modification of existing installations. This document is applicable to the electrical installation of a building or system and does not apply to products. The energy efficiency of these products and their operational requirements are covered by the relevant product standards. Where another standard provides specific requirements for a particular system or installation application (e.g. manufacturing system covered by ISO 20140 series), those requirements supersede this document. This document does not specifically address building automation systems. This basic energy efficiency publication is primarily intended to be used as an EE standard for the LV electrical installations mentioned in this scope, but is also intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 119 and IEC Guide 118.

Keel: en
Alusdokumendid: IEC 60364-8-1:201X; prHD 60364-8-1:2018
Asendab dokumenti: EVS-HD 60364-8-1:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

29 ELEKTROTEHNIKA

prEN 60255-1:2018

Measuring relays and protection equipment - Part 1: Common requirements

This part of IEC 60255 specifies common rules and requirements applicable to measuring relays and protection equipment including any combination of devices to form a distributed protection scheme for power system protection such as control, monitoring and process interface equipment to obtain uniformity of requirements and tests. All measuring relays and protection equipment used for protection within the power system environment are covered by this standard. Other standards in this series may define their own requirements which in such cases shall take precedence. The typical locations for measuring relays and protection equipment are power stations and medium (MV) and high voltage (HV) substations. Measuring relays and protection equipment installed in special applications (marine, railways, aerospace, explosive atmospheres, computers, etc.), may need to be enhanced by additional requirements required by that application. The requirements are routine tests and type tests (as declared in Table 13) and are applicable only to relays in a new condition.

Keel: en
Alusdokumendid: IEC 60255-1:201X; prEN 60255-1:2018
Asendab dokumenti: EVS-EN 60255-1:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 62271-109:2018

High-voltage switchgear and controlgear - Part 109: Alternating-current series capacitor by-pass switches

This part of IEC 62271 is applicable to AC series capacitor by-pass switches designed for outdoor installation and for operation at frequencies of 50 Hz and 60 Hz on systems having voltages above 52 kV. It is only applicable to by-pass switches for use in three-phase systems. This standard is also applicable to the operating devices of by-pass switches and to their auxiliary equipment.

Keel: en
Alusdokumendid: IEC 62271-109:201X; prEN 62271-109:2018
Asendab dokumenti: EVS-EN 62271-109:2009
Asendab dokumenti: EVS-EN 62271-109:2009/A1:2013

Arvamusküsitluse lõppkuupäev: 02.06.2018

prHD 605 S3

Electric cables - Additional test methods

This HD collates and specifies the test methods to be used for testing polymeric insulated and sheathed electric cables, of rated voltage up to and including 20,8/36 kV, intended for public distribution systems, and for use in power generating plants and sub-stations. Test methods in this HD are additional to those already harmonised, e.g. EN 60332-1 series and EN 60811 series, and are used for testing cable types specified in HD 603, HD 604, HD 620, HD 622, HD 626 and HD 627. In each case, these HDs give complementary information needed for the practical application to each specific type. Therefore the present HD as such is not sufficient for carrying out and evaluating the tests on electric cables. Full test conditions (e.g. temperatures, durations) and/or test requirements are not specified in this HD. Such data needed to carry out the tests is given in the particular sections. NOTE The words 'particular section' refer throughout to the section of HD 603 or HD 604, or other HD to which HD 605 applies, in which a particular cable type is specified.

Keel: en
Alusdokumendid: prHD 605 S3
Asendab dokumenti: EVS-HD 605 S2:2008
Asendab dokumenti: HD 605 S2:2008/AC:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

31 ELEKTROONIKA

prEN 60068-2-85:2018

Environmental testing - Part 2-85: Tests - Test 85: Vibration, long time history replication

This part of IEC 60068 demonstrates the adequacy of specimens to resist dynamic loads without unacceptable degradation of its functional and/or structural integrity when subjected to the specified vibration test requirements as defined by a time history (Long Time History Replication). These can either be recorded in measurement exercises or generated artificially. In both cases, this method allows for generating a test tailored to very specific application. Typical applications are tests in which very specific deterministic transient, periodical or random excitation is necessary and the characteristics of the motion are not covered by other test standards. This includes time histories not sufficiently represented by the standard shock tests of IEC 60068-2-27 or a general description by a shock response spectrum as in IEC 60068-2-81; periodical vibration that is not covered by a sinusoidal waveform as in IEC 60068-2-6; random vibration that is not covered by the description of Gaussian broad-band random vibration of IEC 60068-2-64. However, the user shall be aware that long time history replication uses a deterministic time history. Simulation of random vibration of any kind is approximated by quasi-random. In addition, additional mixed mode tests are possible with this test method by generating time histories that are representations of the required test signals. This includes tests of high complexity. The purpose of this test is different from IEC 60068-2-57. The purpose of IEC 60068-2-57 is an evaluation for a transient vibration using mainly a synthesized time history. A long time history test is mainly used for a durability and functionality test using an actual time history measured in a real field environment. It may also be used as a method to apply a simulated non-gaussian time history.

Keel: en
Alusdokumendid: IEC 60068-2-85:201X; prEN 60068-2-85:2018

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 60512-23-3:2018

Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 23-3: Test 23c: Shielding effectiveness of connectors and accessories

This part of IEC 60512 defines a standard test method for measuring the shielding effectiveness SE of a shielded connector, or of a connector not provided with integral shield once fitted with a shielding accessory and terminated with a screened cable. NOTE 1 – Ideally, the complete assembly should achieve a continuous 360° shielding capability throughout its length. Practically this is not always achievable based on the geometry of the connector. NOTE 2 – “shielding” is used in this document with the same meaning of “screening”. This test method can be applied to shielded connectors and to connector accessories with shielding

capability. The following different connector designs can be tested: – circular connectors; – rectangular connectors; – connectors for printed boards; – connector shielding accessories. NOTE – For the definition of “accessory” see IEV 581-24-10. A shielding accessory i.e. an accessory that confers shielding to a non-inherently shielded connector, may be a suitable set of shielded housings providing electrical continuity, along the mated connector set, between the screen of the (screened) cable at the cable outlet of the free cable connector housing and the metallic mounting surface for the fixed connector housing. The free connector housing is provided with a cable screen clamp. This test method utilizes the principle that the intrinsic shielding property of the connector/accessory/cable assembly is its surface transfer impedance ZT which can be expressed as the longitudinal voltage inside the shield, relative to the current flow on the outside shell. This test method is based on two impedance-matched circuits. See figure 1 for the measurement principle. The connector specimen under test is integrated into the secondary circuit 02. The impedance-matched injection line of the primary circuit 01, which activates the electromagnetic field, runs parallel to the surface of the specimen under test. This test is also suitable for measuring the shielding effectiveness of a connector fitted with triaxial contacts terminated with shielded, twisted pair cables, as used in data bus systems. NOTE – This standard has been adopted by ASD-STAN (formerly known as AECMA) as EN 2591-212 and, as such, should not be amended without direct consultation and liaison with the ASD-STAN organization.

Keel: en
Alusdokumendid: IEC 60512-23-3:201X; prEN 60512-23-3:2018
Asendab dokumenti: EVS-EN 60512-23-3:2002

Arvamusküsitluse lõppkuupäev: 02.06.2018

43 MAANTEESÕIDUKITE EHITUS

prEN 13878

Leisure accommodation vehicles - Terms and definitions

This European Standard defines, in alphabetical order, terms relating to leisure accommodation vehicles (see 2.19) which are caravans (see 2.5), caravan holiday homes (see 2.6) and motor caravans (see 2.24). These terms are used in EN 721, EN 722-1, EN 1645-1, EN 1646-1, EN 1647, EN 1648-1 and EN 1648-2.

Keel: en
Alusdokumendid: prEN 13878
Asendab dokumenti: EVS-EN 13878:2003

Arvamusküsitluse lõppkuupäev: 02.06.2018

47 LAEVAEHITUS JA MERE-EHITISED

prEN ISO 12215-1

Small craft - Hull construction and scantlings - Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate (ISO 12215-1:2000)

This part of ISO 12215 is applicable to thermosetting resins and glass-fibre reinforcement used in the construction of small craft with a length of the hull (LH) of up to 24 m, in accordance with ISO 8666. This part of ISO 12215 specifies the minimum requirements for material properties of glass reinforcement and resin matrix and the reference laminate made thereof. This part of ISO 12215 may be applicable to materials other than those specified, provided that the minimum requirements and properties of the reference laminate are met. NOTE The underlying reason for preparing this International Standard is to harmonize existing standards and recommended practices for loads on the hull and the dimensioning of small craft because they differ too considerably and thus limit general worldwide acceptability of boats

Keel: en
Alusdokumendid: ISO 12215-1:2000; prEN ISO 12215-1
Asendab dokumenti: EVS-EN ISO 12215-1:2001

Arvamusküsitluse lõppkuupäev: 02.05.2018

49 LENNUNDUS JA KOSMOSETEHNIKA

EN 13718-1:2014/prA1

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Aerokiirabi. Osa 1: Nõuded aerokiirabis kasutatavatele meditsiiniseadmetele
Medical vehicles and their equipment - Air ambulances - Part 1: Requirements for medical devices used in air ambulances

This European Standard specifies general requirements for medical devices carried in air ambulances and used therein and outside hospitals and clinics in situations where the ambient conditions can differ from normal indoor conditions. This European Standard does not cover the requirements for approval and registration of the vehicle and the training of the staff which is the responsibility of the authority/authorities in the country where the ambulance is to be registered.

Keel: en
Alusdokumendid: EN 13718-1:2014/prA1
Muudab dokumenti: EVS-EN 13718-1:2014

Arvamusküsitluse lõppkuupäev: 02.06.2018

EN 13718-2:2015/prA1

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Aerokiirabi. Osa 2: Aerokiirabi toimimis- ja tehnilised nõuded
Medical vehicles and their equipment - Air ambulances - Part 2: Operational and technical requirements for air ambulances

This part of EN 13718 specifies the requirements for performance and equipping for air ambulances, including requirements for interfaces to medical devices used for the transport and treatment of sick or injured persons. This part of EN 13718 is applicable to air ambulances capable of transporting at least one person on a stretcher. NOTE Requirements are specified for categories of air ambulances based on the different intended use. These are the helicopter emergency medical service (HEMS) the helicopter intensive care medical service (HICAMS) and the fixed wing air ambulance (FWAA).

Keel: en
Alusdokumendid: EN 13718-2:2015/prA1
Muudab dokumenti: EVS-EN 13718-2:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 2288

Aerospace series - Bush, flanged, corrosion resisting steel, with self-lubricating liner - Dimensions and loads

This document specifies the characteristics of flanged bushes in corrosion resisting steel with self lubricating liner and the design recommendation of shafts and housings. The bushes are intended for operation within the temperature range of −55 °C to 163 °C and assembly with an interference fit into fixed and moving aerospace parts.

Keel: en
Alusdokumendid: FprEN 2288
Asendab dokumenti: EVS-EN 2288:2000

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 2878

Aerospace series - Nuts, anchor, self-locking, air resistant, sealing, floating, two lug, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated - Classification: 900 MPa (at ambient temperature)/235 °C

This document specifies the characteristics of self-locking, air resistant, sealing, floating, two lug anchor nuts, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated. Classification: 900 MPa/235 °C.

Keel: en
Alusdokumendid: FprEN 2878

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 2880

Aerospace series - Nuts, anchor, self-locking, fuel resistant, sealing, floating, two lug, with counterbore, in alloy steel, cadmium plated, MoS_2 lubricated - Classification: 900 MPa (at ambient temperature) / 120 °C

This document specifies the characteristics of self-locking, fuel resistant, sealing, floating, two lug anchor nuts, with counterbore, in alloy steel, cadmium plated, MoS2 lubricated. Classification: 900 MPa/120 °C.

Keel: en
Alusdokumendid: FprEN 2880

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 3660-003

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 003: Grommet nut, style A - Product standard

This document defines a range of grommet nuts, style A, for use under the following conditions: Associated electrical connector(s) : EN 3660-002 Temperature range, Class N : −65 °C to 200 °C Class W : −65 °C to 175 °C Class K : −65 °C to 260 °C Class A : −65 °C to 200 °C Class T : −65 °C to 175 °C (Nickel PTFE plating) Class Z : −65 °C to 175 °C (Black zinc nickel plating)

Keel: en
Alusdokumendid: FprEN 3660-003
Asendab dokumenti: EVS-EN 3660-003:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 3660-004

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 004: Cable outlet, style A, straight, unsealed with clamp strain relief - Product standard

This document defines a range of cable outlets, style A, straight, unsealed with clamp strain relief for use under the following conditions: Associated electrical connector(s) : EN 3660-002 Temperature range, Class N : - 65 °C to 200 °C Class W : -65 °C to 175 °C Class K : -65 °C to 260 °C Class A : -65 °C to 200 °C Class T : -65 °C to 175 °C (Nickel PTFE plating) Class Z : -65 °C to 175 °C (Black zinc nickel plating)

Keel: en
Alusdokumendid: FprEN 3660-004
Asendab dokumenti: EVS-EN 3660-004:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 3660-005

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief - Product standard

This document defines a range of cable outlets, style A, 90°, unsealed with clamp strain relief for use under the following conditions: Associated electrical connector(s) : EN 3660-002 Temperature range, Class N : -65 °C to 200 °C Class W : -65 °C to 175 °C Class K : -65 °C to 260 °C Class A : -65 °C to 260 °C Class T : -65 °C to 175 °C (Nickel PTFE plating) Class Z : -65 °C to 175 °C (Black zinc nickel plating)

Keel: en
Alusdokumendid: FprEN 3660-005
Asendab dokumenti: EVS-EN 3660-005:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

FprEN 9107

Aerospace series - Quality systems - Direct Delivery Authorization - Guidance for Aerospace Companies

1.1 General Limited to the commercial aerospace industry where a request is made for a PO to have Direct Delivery Authorization (DDA), which includes an Appropriate Arrangement (AA) between the PO and the Design Organisation (DO). In this process the DO is responsible for ensuring the continuous updating of design and airworthiness data to the PO, whilst the PO is responsible for assurance that the manufactured article conforms to approved design and airworthiness data. The PO is responsible to provide airworthiness release documentation. 1.2 Purpose This document provides guidance to a PO and DO on how to comply with the DDA, including AA requirements per the applicable documents referenced in Clause 2 (see Figure 1). (...)

Keel: en
Alusdokumendid: FprEN 9107

Arvamusküsitluse lõppkuupäev: 02.06.2018

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN 14848

Aerosol containers - Metal containers with 25,4 mm aperture - Dimensions of valve cups

This document specifies the critical dimensions of valve cups suitable for clinching into 25,4 mm aperture metal aerosol containers. This document is applicable to aperture metal aerosol containers which are used with the metal aerosol containers in accordance with EN 14847 and EN 15006. This European Standard does not specify dimples on aperture metal aerosol containers. NOTE To provide satisfactory filling in production, dimples are no longer considered essential but might still be used. Their presence could cause damage of the 25,4 mm aperture and their presence on lacquered cups can give rise to coating defects at the dimple feature. Thus, in the interest of simplicity and reduction of difficulties, dimples are excluded from this standard.

Keel: en
Alusdokumendid: prEN 14848
Asendab dokumenti: EVS-EN 14848:2006
Asendab dokumenti: EVS-EN 14848:2006/AC:2007

Arvamusküsitluse lõppkuupäev: 02.06.2018

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 1833-20

Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane and certain other fibres (method using dimethylacetamide) (ISO/DIS 1833-20:2018)

This part of ISO 1833 specifies a method using dimethylacetamide to determine the mass percentage of elastane, after removal of non-fibrous matter, in textiles made of mixtures of: - certain elastane fibres with - cotton, viscose, cupro, modal, polyamide, polyester or wool fibres. This method is not applicable when acrylic fibres are present.

Keel: en
Alusdokumendid: ISO/DIS 1833-20; prEN ISO 1833-20
Asendab dokumenti: EVS-EN ISO 1833-20:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

71 KEEMILINE TEHNOLOOGIA

prEN 17242
Recirculatory Filtration Fume Cupboards

This document applies to Recirculatory Filtration Fume Cupboards (RFFC). Recirculation Filtration Fume Cupboards are devices intended to protect their users by means of: - the ability to contain potentially hazardous materials; - the ability to remove potentially hazardous materials from air exhausted from within the fume cupboard by means of filtration before the air is recirculated (to the room in which the fume cupboard is located). This document includes design and manufacturing requirements together with type testing procedures.

Keel: en
Alusdokumendid: prEN 17242

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 61010-2-010:2018
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-010: Particular requirements for laboratory equipment for the heating of Materials

Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the first paragraph by the following: This group safety publication is primarily intended to be used as a product safety standard for the products mentioned in the scope, but shall also be used by technical committees in the preparation of its publications for products similar to those mentioned in the scope of this standard, in accordance with the principles laid down in IEC guide 104 and ISO/IEC Guide 51. This Part 2 of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever the heating of materials is one of the functions of the equipment. Addition: Add the following text after c): If all or part of the equipment falls within the scope of one or more other part 2 standards of IEC 61010 as well as within the scope of this standard, it will also need to meet the requirement of those other part 2 standards, In particular, if equipment is intended to be used for IVD purposes, it will also need to meet the requirements of IEC 61010-2-101. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more sever HAZARDS than if treated separately then the application of IEC 61010-2-012 should be considered instead of this part 2. See further information in the flow chart for selection process and guidance in the introduction.

Keel: en
Alusdokumendid: IEC 61010-2-010:201X; prEN 61010-2-010:2018
Asendab dokumenti: EVS-EN 61010-2-010:2014

Arvamusküsitluse lõppkuupäev: 02.06.2018

77 METALLURGIA

prEN 1562
Founding - Malleable cast irons

This document defines grades and the corresponding requirements for malleable cast irons. This document specifies five grades of whiteheart malleable cast iron and nine grades of blackheart malleable cast iron, based on mechanical properties measured on cast samples (which are test pieces). This document specifies Brinell hardness values determined only when these values are requested by the purchaser. This document does not cover technical delivery conditions for malleable cast iron castings. Reference should be made to EN 1559-1 [3] and EN 1559-3 [4]. This document does not cover chemical composition, except phosphorus (see Clause 6).

Keel: en
Alusdokumendid: prEN 1562
Asendab dokumenti: EVS-EN 1562:2012

Arvamusküsitluse lõppkuupäev: 02.05.2018

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

prEN 13024-1
Glass in building - Thermally toughened borosilicate safety glass - Part 1: Definition and description

This document specifies tolerances, flatness, edgework, fragmentation and physical and mechanical characteristics of monolithic flat thermally toughened borosilicate safety glass for use in buildings. This standard deals exclusively with thermally toughened borosilicate safety glass manufactured by the horizontal toughening process. Other requirements, not specified in this document, can apply to thermally toughened borosilicate safety glass which is incorporated into assemblies, e.g. laminated glass or insulating glass units, or undergo an additional treatment, e.g. coating. The additional requirements are specified in the appropriate product standard. Thermally toughened borosilicate safety glass, in this case, does not lose its mechanical or thermal characteristics and its resistance to temperature differentials. Surface finished glasses (e.g. sandblasted, acid etched) after toughening are not covered by this document.

Keel: en
Alusdokumendid: prEN 13024-1
Asendab dokumenti: EVS-EN 13024-1:2011

Arvamusküsitluse lõppkuupäev: 02.06.2018

83 KUMMI- JA PLASTITÖÖSTUS

prEN 17224

Determination of compressive shear strength of wood adhesives at elevated temperatures

This document specifies a test method for determining the comparative compression shear strength of adhesive bonds and solid wood at both ambient temperature and elevated temperature. The maximum load of the test pieces at ambient temperature and after exposure to a defined elevated temperature for a specified duration of time is evaluated. It is applicable to adhesives used in load bearing timber structures and to other wood adhesives. It is suitable for assessing the influence of elevated temperatures on the compression shear strength of the adhesive bond. This method is intended primarily to obtain performance data for the influence of elevated temperatures on the behaviour of adhesive bonds. It can be used for the assessment of adhesives for load bearing timber structures and as well for the assessment of non load-bearing wood adhesives with respect to their suitability for forming bonds in defined climatic environments, at elevated temperatures. This method is not intended to provide data for structural design, and does not necessarily represent the performance of the bonded member in service.

Keel: en
Alusdokumendid: prEN 17224

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 12058-1

Plastics - Determination of viscosity using a falling-ball viscometer - Part 1: Inclined-tube method (ISO/FDIS 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/FDIS 12058-1; prEN ISO 12058-1 rev
Asendab dokumenti: EVS-EN ISO 12058-1:2003
Asendab dokumenti: EVS-EN ISO 12058-1:2003/AC:2013

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 21302-1

Plastics - Polybutene-1 (PB-1) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO/DIS 21302-1:2018)

1.1 This part of ISO CD21302 establishes a system of designation for polybutene- 1 (PB- 1) thermoplastic materials which may be used as the basis for specifications. For the sake of simplicity, the designation polybutene and the abbreviation PB are used in both parts of ISO CD21302-1. 1.2 The types of polybutene plastics are differentiated from each other by a classification system based on appropriate levels of the designatory property melt volume-flow rate and on information about basic polymer parameters, intended application and/or method of processing, important properties, additives, colorants, fillers and reinforcing materials. 1.3 This part of ISO CD21302 is applicable to all butene homopolymers and to copolymers of butene with a maximum content of other 1- olefinic monomers of less than 50 % [mass fraction] and with a content of non-olefinic monomers with functional groups up to a maximum of 3 % [mass fraction]. It applies to materials ready for normal use in the form of powder, granules or pellets, unmodified or modified by colorants, additives, fillers, etc. 1.4 It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO CD21302 does not provide engineering data, performance data or data on processing conditions which may be required to specify a material for a particular application and/or method of processing. If such additional properties are required, they shall be determined in accordance with the test methods specified in ISO CD21302-2, if suitable. 1.5 In order to specify a thermoplastic material for a particular application or to ensure reproducible processing, additional requirements may be given in data block 5 (see 3.1).

Keel: en
Alusdokumendid: ISO/DIS 21302-1; prEN ISO 21302-1
Asendab dokumenti: EVS-EN ISO 8986-1:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN ISO 21302-2

Plastics - Polybutene-1 (PB-1) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/DIS 21302-2:2018)

This part of ISO CD21302 specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of polybutene- 1 (PB-1) moulding and extrusion materials. For the sake of simplicity, the designation polybutene-1 and the abbreviation PB-1 are used in both parts of ISO CD21302. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are also specified. Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods which are suitable and necessary to characterize PB moulding and extrusion materials are listed. The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for or of particular significance to these moulding and extrusion materials are also included in this part of ISO CD21302, as is the

designatory property specified in Part 1. In order to obtain reproducible and comparable test results, it is necessary to use the methods of specimen preparation and conditioning, the specimen dimensions and the test procedures specified herein. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

Keel: en
Alusdokumendid: ISO/DIS 21302-2; prEN ISO 21302-2
Asendab dokumenti: EVS-EN ISO 8986-2:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

91 EHITUSMATERJALID JA EHITUS

prEN 15254-3

Extended application of results from fire resistance tests - Non-loadbearing walls - Part 3: Lightweight partitions

This document provides guidance and, where appropriate, defines procedures for variations of certain parameters and factors associated with the design of lightweight partitions which have been tested in accordance with EN 1364-1, and classified according to EN 13501-2. This document only applies to non-loadbearing lightweight partitions with a single steel framework, provided at both sides with a lining. The lightweight partition can be insulated or not with a mineral wool insulation. This document does not apply to any other types of non-loadbearing walls considered in EN 1364-1.

Keel: en
Alusdokumendid: prEN 15254-3

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEVS 812-7

Ehitiste tuleohutus. Osa 7: Ehitisele esitatavad tuleohutusnõuded
Fire safety of constructions Part 7: Fire safety requirements for buildings

Käesolev standard annab selgitused ja tüüplahendused standardolukordade lahendamiseks määrusega kehtestatud oluliste tuleohutusnõuete tagamisel ja minimaalse ohutustaseme määratlemisel. Erilahenduste ohutust on endiselt võimalik tõendada ka muul usaldusväärsel viisil, kui on tagatud oluliste nõuete minimaalne tase.

Keel: et
Asendab dokumenti: EVS 812-7:2008
Asendab dokumenti: EVS 812-7:2008/AC:2011
Asendab dokumenti: EVS 812-7:2008/AC:2016

Arvamusküsitluse lõppkuupäev: 02.05.2018

prHD 60364-8-1:2018

Low-voltage electrical installations - Part 8-1: Energy efficiency

This part 8-1 of IEC 60364 provides additional requirements, measures and recommendations for the design, erection, operation and verification of all types of low voltage electrical installation including local production and storage of energy for optimizing the overall efficient use of electricity. It introduces requirements, recommendations and methods for the design and the energy efficiency (EE) assessment of an electrical installation within the framework of an energy efficiency management approach in order to get the best permanent functionally equivalent service for the lowest electrical energy consumption and the most acceptable energy availability and economic balance. These requirements, recommendations and methods apply, within the scope of the IEC 60364 series, for new installations and modification of existing installations. This document is applicable to the electrical installation of a building or system and does not apply to products. The energy efficiency of these products and their operational requirements are covered by the relevant product standards. Where another standard provides specific requirements for a particular system or installation application (e.g. manufacturing system covered by ISO 20140 series), those requirements supersede this document. This document does not specifically address building automation systems. This basic energy efficiency publication is primarily intended to be used as an EE standard for the LV electrical installations mentioned in this scope, but is also intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 119 and IEC Guide 118.

Keel: en
Alusdokumendid: IEC 60364-8-1:201X; prHD 60364-8-1:2018
Asendab dokumenti: EVS-HD 60364-8-1:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

93 RAJATISED

prEN 50668

Railway applications - Signalling and control systems for non UGTMS Urban Rail systems

This standard specifies functional requirements for non-UGTMS signalling and control systems in the field of urban rail systems which are along off-street alignment and which operate to “line of sight” or automatic block signalling with intermittent train control. The standard is restricted to Functional Requirements to which allow users to define more specific requirements based on the given frame of the system requirements at top level. This standard is not applicable to command and control systems for urban rail using continuous data transmission and continuous supervision of train movements by train protection profile already covered by IEC 62290 (UGTMS).

Keel: en
Alusdokumendid: prEN 50668

Arvamusküsitluse lõppkuupäev: 02.06.2018

97 OLME. MEELELAHUTUS. SPORT

EN 1307:2014+A1:2016/prA3
Textile floor coverings - Classification

This European Standard specifies the requirements for classification of all textile floor coverings and carpet tiles, excluding rugs and runners (see ISO 2424) into use classes with regard to one or more of the following properties: wear, appearance retention, additional performance properties and classes for luxury rating. This European Standard refers to the classification as defined in EN ISO 10874.

Keel: en
Alusdokumendid: EN 1307:2014+A1:2016/prA3
Muudab dokumenti: EVS-EN 1307:2014+A1:2016

Arvamusküsitluse lõppkuupäev: 02.06.2018

EN 50465:2015/prA1:2018
Gas appliances - Combined heat and power appliance of nominal heat input inferior or equal to 70 kW

Amendment for EN 50465:2015

Keel: en
Alusdokumendid: EN 50465:2015/prA1:2018
Muudab dokumenti: EVS-EN 50465:2015

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 62311:2018
Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

This International Standard applies to electronic and electrical equipment for which no dedicated product- or product family standard regarding human exposure to electromagnetic fields applies. It covers equipment with intentional or non-intentional radiators as well as a combination thereof. The object of this generic standard is to provide assessment methods and criteria to evaluate equipment against limits on exposure of people related to electric, magnetic and electromagnetic fields and induced and contact current. The frequency range covered is 0 Hz to 300 GHz. NOTE 1 Further guidance concerning the application of this standard and its relationship to other EMF standards is given in Figure 1. This standard does not specify limits expressed by means of basic restrictions and/or reference levels. Such limits are subject to the applied assessment scheme, for example by means of regional limits (see also SMB/3979/DP). NOTE 2 The assessment methods and criteria to evaluate equipment against basic restrictions or reference levels can be used with regard to either general public or occupational exposure.

Keel: en
Alusdokumendid: IEC 62311:201X; prEN 62311:2018
Asendab dokumenti: EVS-EN 62311:2008

Arvamusküsitluse lõppkuupäev: 02.06.2018

prEN 893
Mountaineering equipment - Crampons - Safety requirements and test methods

This document specifies safety requirements and test methods for crampons intended to prevent the user from slipping when used in mountaineering on snow and ice including climbing mixed terrain.

Keel: en
Alusdokumendid: prEN 893
Asendab dokumenti: EVS-EN 893:2010

Arvamusküsitluse lõppkuupäev: 02.06.2018

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.

prEN 16932-3

Äravoolu ja kanalisatsioonisüsteemid väljaspool hooneid. Pumpamissüsteemid. Osa 3: Vaakumsüsteemid

Käesolev Euroopa Standard määratleb nõuded äravoolu- ja kanalisatsioonisüsteemide reovee pumpumpamisssüsteemide kavandamiseks, ehitamiseks ja vastuvõtukatsetamisteks väljaspool nende poolt teenindatavaid hooneid. See sisaldab pumpamissüsteeme äravoolu- ja kanalisatsioonisüsteemides, miilised toimivad põhiliselt isevoolsetena aga samuti süsteeme millistes kasutatakse ülerõhku või osalist vaakumit. Käesolev dokument on rakendatav vaakum äravoolu- ja kanalisatsioonisüsteemidele.

Keel: et
Alusdokumendid: prEN 16932-3

Kommenteerimise lõppkuupäev: 02.05.2018

ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Alljärgnevalt on toodud teave eelmise EVS Teataja avaldamise järel Standardikeskusele esitatud algupäraste standardite ja standardilaadsete dokumentide koostamis-, muutmis- ja uustöötlusettepanekute kohta, millega algatatakse Eesti algupärase dokumendi koostamise protsess.

Rohkem infot koostatava dokumendi kohta saab EVS-i standardiosakonnast: standardiosakond@evs.ee.

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

prEVS 860-7

Tehniliste paigaldiste termiline isoleerimine: Osa 7: Torustikud, mahutid ja seadmed. Katete ja tugikonstruktsioonide materjalid

Thermal insulation of technical equipment. Part 7: Insulation of pipes, vessels and equipment. Covering materials and support structure

Standard on osa "Tehniliste paigaldiste termilise isoleerimise" standardite sarjast, mis on koostatud projekteerijatele, töövõtjatele ning isolatsioonitööde tellijatele. Standardis on toodud isolatsioonitöödel enimkasutatud katete ja tugikonstruktsioonide materjalid, nende tähistused ja tehnilised omadused.

Asendab dokumenti: EVS 860-7:2008
Koostamisettepaneku esitaja: Eesti Isolatsioonitevõtjate Liit

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.

PIKENDAMISKÜSITLUS

EVS 846:2013

Hoone kanalisatsioon
Draining system inside buildings

See standard kehtib hoone kanalisatsioonile, mille kaudu reoveed suubuvad linna, asula ühiskanalisatsiooni või otse loodusesse (veekogusse või pinnasesse). Hoone kanalisatsiooni all mõeldakse hoonesisest veeneeludega ühendatud kanalisatsioonitorustikku koos võimalike lisaseadmetega (sulgeseadmed, pumplad, puhastusavad) kuni hoone välisseinani ja võimalike eelpuhastitega hoones (joonis 1). Standardis ei käsitleta tulekustutuspaigaldiste rakendamisel või katsetamisel tekkinud vete äravoolu. Standardi nõudeid tuleb täita nii uue hoone kanalisatsiooni projekteerimisel, paigaldamisel, katsetamisel kui ka olemasolevate kanalisatsioonisüsteemide ümberehitamisel. Kõik standardis toodud joonised on esitatud näidetena. Nendel esitatu ei ole tehniliste lahenduste osas kohustuslik ega muid lahendusi välistav.

Pikendamisküsitluse lõppkuupäev: 02.05.2018

EVS 848:2013

Väliskanalisatsioonivõrk
Sewer systems outside buildings

Standard on rakendatav hoonevälistele kanalisatsioonivõrkudele, s.o hooneviimast (hoone välisseinast) või sademevee restkaevust kohani, kus vesi jõuab reoveepuhastisse või heitvee suublasse. Hoonealused torustikud kuuluvad kanalisatsioonivõrgu hulka siis, kui nad ei ole osa hoone kanalisatsioonisüsteemist. Standardis määratakse kindlaks funktsionaalsed nõuded kanalisatsioonivõrgule seoses planeerimise, projek-teerimise, ehitamise, käitamise, hoolduse ja ekspluatatsiooniga, ning tegevused nõuete täitmiseks.

Pikendamisküsitluse lõppkuupäev: 02.05.2018

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-EN 1060-3:1997+A2:2009

Mitteinvasiivsed sfügmomanomeetrid. Osa 3: Lisanõuded elektromehaanilistele vererõhu mõõtesüsteemidele. KONSOLIDEERITUD TEKST
Non-invasive sphygmomanometers - Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems CONSOLIDATED TEXT

Käesolev osa standardist EN 1060 määratleb sooritusvõime, tõhususe ja ohutuse nõuded elektro-mehaanilistele vererõhu mõõtesüsteemidele, mida kasutatakse arteriaalse vererõhu mitteinvasiivseks mõõtmiseks täispuhutava manseti abil õlavarrel, randmel või reiel. Standard määratleb samuti nõuded lisaseadmetele ja esitab katsemeetodid. Käesolev osa standardist EN 1060 rakendub elektromehaanilistele vererõhu mõõtesüsteemidele, milles mansetirõhku mõõdetakse elektroonselt kuid vererõhk määratakse kas käsitsi stetoskoobi abil või automaatselt. Täiendavad ohutusnõuded automaatselt tsükliliselt toimivatele vererõhu kaudse jälgimise seadmetele on määratletud standardis EN 60601-2-30:1995. Käesolevat osa standardist EN 1060 tuleb kasutada koos standardiga EN 1060-1.

Keel: en, et
Alusdokumendid: EN 1060-3:1997+A2:2009
Tühistamisküsitluse lõppkuupäev: 02.05.2018

EVS-EN 1993-4-3:2007

Eurokoodeks 3: Teraskonstruktsioonide projekteerimine. Osa 4-3: Torujuhtmed.
Eurocode 3 - Design of steel structures - Part 4-3: Pipelines.

EN 1993 osa 4-3esitab põhimõtted ja rakendusreeglid ümbritseva atmosfääri temperatuuril olevate vedelike või gaaside või vedeliku ja gaasi segude transportimiseks ette nähtud torujuhtmete projekteerimiseks juhul, kui antud valdkonda ei käsitle mingi muu spetsiifiline Euroopa standard.

Keel: en
Alusdokumendid: EN 1993-4-3:2007
Tühistamisküsitluse lõppkuupäev: 02.05.2018

EVS-EN 50337-5-1:2003

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications Part 5-1: Type EC terminated on IEC 60793-2 category B1.1 singlemode fibre

This standard contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements which a terminated and assembled singlemode EC connector set (plug adapter plug) must meet in order for it to be categorised as an EN product specification

Keel: en
Alusdokumendid: EN 50377-5-1:2003
Tühistamisküsitluse lõppkuupäev: 02.05.2018

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.

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 13103-1:2017

Raudteealased rakendused. Rattapaarid ja pöördvankrid. Osa 1: Projekteerimismeetod välise kaelaga telgedele

Railway applications - Wheelsets and bogies - Part 1: Design method for axles with external journals

Eeldatav avaldamise aeg Eesti standardina 07.2018

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 812-3:2018

Ehitiste tuleohutus. Osa 3: Küttesüsteemid
Fire safety of constructions - Part 3: Heating systems

Selles Eesti standardis käsitletakse hoonete kütmiseks ja kütuse hoidmiseks ettenähtud ruumide ning küttesüsteemide tuleohutust.

EVS-EN 12453:2017

Tööstus-, kommerts- ning garaažiuksed ja -väravad. Masinkäitusega uste kasutusohutus. Nõuded ja katsemeetodid
Industrial, commercial and garage doors and gates - Safety in use of power operated doors - Requirements and test methods

See Euroopa standard spetsifitseerib kasutusohutuse nõuded ja katsemeetodid masinkäitusega ustele, väravatele ja tõkkepuudele, mis on ette nähtud paigaldamiseks kohtadesse, kus inimene nendega kokku võib puutuda, ja mille peamine kasutusotstarve on tagada tööstus-, kommerts- või eluhoonetes ohutu juurdepääs kaupadele ja sõidukitele, mida saadavad või juhivad inimesed. See Euroopa standard hõlmab ka vertikaalselt liikuvaid masinkäitusega uksi, nagu rull-luugid ja rullvõred, mida kasutatakse jaemüügiettevõtetes ning mis on peamiselt ette nähtud kaupade kaitsmiseks. See Euroopa standard käsitleb kõiki olulisi ohte, ohtlikke olukordi ja sündmusi, mis on seotud masinkäitusega tööstus-, kommerts- ning garaažiuste ja -väravatega, kui neid kasutatakse kavandatud otstarbel ja prognoositavate, mõistlikkuse piiridesse jäävate väärkasutuste tingimustes, nagu on määratletud peatükis 4. Standardis käsitletakse kõiki masina eluetappe, sealhulgas transporti, kokkupanekut, demonteerimist, kasutusest kõrvaldamist ja lammutamist. See Euroopa standard ei kehti järgmiste toodete korral: — lüüsiväravad ja dokiväravad; — liftiuksed; — sõidukiuksed; — soomustatud uksed; — uksed, mis on mõeldud peamiselt loomade tõkestamiseks, kui need ei paikne krundi perimeetril; — teatri tekstiileesriided; — horisontaalselt liikuvad masinkäitusega uksed, mis on ette nähtud peamiselt jalakäijatele; — uksed, mis asuvad inimestele kättesaamatus kohas (nt kraanauksed); — raudtee tõkkepuud; — tõkkepuud, mis on ette nähtud üksnes jalakäijate tõkestamiseks; — tõkkepuud, mida kasutatakse üksnes maanteedel sõidukite tõkestamiseks. Selles dokumendis mõistetakse termini „uks“ all, kus seda ka ei kasutataks, kõiki selle standardi käsitlusalasse kuuluvate uste, väravate ja tõkkepuude tüüpe ja variante. See Euroopa standard ei käsitle erinõudeid mürale, mis on tekitatud masinkäitusega uste, väravate ja tõkkepuude poolt, mis on ette nähtud paigaldamiseks inimestele kättesaadavasse piirkonda ja mille peamine kasutusotstarve on tagada ohutu juurdepääs kaupadele ja sõidukitele, mida saadavad või juhivad inimesed tööstus-, kommerts- või eluruumides, kuna nende tekitatavat müra ei loeta ohtlikuks. MÄRKUS Masinkäitusega uste müra ei kujuta endast olulist ohtu nende toodete kasutajatele. See on pigem mugavuse küsimus. See Euroopa standard ei ole kohaldatav masinatele, mis on toodetud enne selle standardi avaldamise kuupäeva.

EVS-EN ISO 11133:2014/A1:2018

Toidu, loomasööda ja vee mikrobioloogia. Söötmete ettevalmistamine, valmistamine, säilitamine ja toimivuse kontrollimine. Muudatus 1
Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media - Amendment 1 (ISO 11133:2014/Amd 1:2018)

Muudatus standardile EVS-EN ISO 11133:2014.

EVS-EN ISO 11133:2014+A1:2018

Toidu, loomasööda ja vee mikrobioloogia. Söötmete ettevalmistamine, valmistamine, säilitamine ja toimivuse kontrollimine
Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media (ISO 11133:2014, Corrected version 2014-11-01 + ISO 11133:2014/Amd 1:2018)

See rahvusvaheline standard määratleb söötmete kvaliteedi tagamisega seotud terminid ja esitab üksikasjalikult toidu, loomasööda ning toidu või sööda tootmise keskkonnast ning tarbimiseks mõeldud või toidu tootmiseks kasutatavast veest võetud proovide mikrobioloogiliseks analüüsimiseks kasutatavate söötmete ettevalmistamiseks kohaldatavad nõuded. Neid nõudeid kohaldatakse kõikidele söötmete kategooriatele, mis on valmistatud kasutamiseks mikrobioloogilisi analüüse tegevates laboratooriumites. Selles dokumendis määratakse ka kriteeriumid ja kirjeldatakse söötmete toimivuskontrolli meetodeid. See dokument on rakendatav valmissöötmete lõppkasutajatele ning sellistele tootjatele nagu — äriühingutele, kes toodavad ja/või turustavad kasutusvalmis või poolvalmis taastatavaid või dehüdreeritud söötmeid; — mitteäriühingutele, kes tarnivad söötmeid kolmandatele osapooltele, ja — söötmeid oma tarbeks valmistavatele mikrobioloogialaboritele.

EVS-EN ISO 12631:2017

Rippfassaadide soojuslik toimivus. Soojusläbivuse arvutamine
Thermal performance of curtain walling - Calculation of thermal transmittance (ISO 12631:2017)

See dokument spetsifitseerib raamidesse kinnitatud või raamidega ühendatud klaas- ja/või pimepaneelidest koosnevate rippfassaadide soojusläbivuse arvutamise meetodi. Arvutus hõlmab — eri klaasingutüüpe, nt klaasist või plastist, ühe- või

mitmekordseid, madala emissiooniteguriga pinnakattega või pinnakatteta, õhu või mõne muu gaasiga täidetud klaasidevahelise ruumiga klaasinguid; — raame (mis tahes materjalist) külmakatkestustega või ilma; — erinevaid pimepaneeli tüüpe metallist, klaasist, keraamilisest või mõnest muust materjalist kattega. Arvutused võtavad arvesse külmasildade mõju valtsides või klaasingu, raami ja paneelide ühendustes. Arvutustes ei võeta arvesse järgmisi tegureid: — päikesekiirguse mõju; — õhuläbilaskvusest põhjustatud soojusülekannet; — kondensaadi esinemist; — varjestuse mõju; — täiendavat soojusülekannet rippfassaadi nurkades ja servades; — sidemeid kandekonstruktsiooniga ja nendes kasutatavaid tugielemente; — sisseehitatud küttega rippfassaadisüsteeme. MÄRKUS Sissejuhatuses esitatud tabel 1 näitab selle dokumendi suhtelist positsiooni EPB standardisarjas standardis ISO 52000-1 esitatud moodulstruktuuri kontekstis.

EVS-EN ISO 12944-5:2018

Värvid ja lakid. Teraskonstruktsioonide korrosioonitõrje kaitsvate värvkattesüsteemidega. Osa 5: Kaitsvad värvkattesüsteemid

Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 5: Protective paint systems (ISO 12944-5:2018)

See dokument kirjeldab värvi ja värvisüsteemi tüüpe, mida tavaliselt kasutatakse teraskonstruktsioonide korrosioonitõrjeks. See annab samuti juhiseid valimaks värvisüsteeme, mis on saadaval eri keskkondade (vt ISO 12944-2), v.a korrodeerivuskategooriate Cx ja Im4 puhul, nagu määratletud standardis ISO 12944-2, ja eri pinna ettevalmistustasemete (vt ISO 12944-4) ja oodatava kestvusklassi (vt ISO 12944-1) jaoks.

EVS-EN ISO 17640:2017

Keevisõmbluste mittepurustav katsetamine. Ultraheliga katsetamine. Meetodid, katsetasemed ja hindamine

Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment (ISO 17640:2017)

See dokument määratleb käsitsi sooritatava ultraheliga katsetamise meetodid metalsetest materjalidest sulakeevitatud liidetele, materjali paksusega 8 mm või rohkem, millel on väike ultraheli sumbuvus (eriti hajuvuse tõttu) katseobjekti temperatuurivahemikus 0 °C kuni 60 °C. Peamiselt on see mõeldud kasutamiseks täieliku läbikeevitusega keevisliidete kontrolliks, mille põhimaterjal ja keevisõmblus on ferriitse struktuuriga. Selles dokumendis toodud materjalipõhised ultraheli väärtused põhinevad terastel, milles on ultraheli levikukiirus (5920 ± 50) m/s pikilainete korral ning (3255 ± 30) m/s ristilainete korral. See dokument määratleb neli katsetaset, millest igaüks vastab defektide avastamise erinevale tõenäosusele. Juhised katsetasemete A, B ja C valikuks on toodud lisas A. See dokument määratleb, et katsetaseme D nõuded, mis on mõeldud kasutamiseks erijuhtude korral, on vastavuses üldnõuetega. Katsetaset D võib kasutada vaid juhul, kui nii on määratud tehnilises spetsifikatsioonis. See hõlmab mitteferriitse struktuuriga metallide katseid, katseid osalise läbikeevitusega liidetel, automatiseeritud seadmetega katseid ning katseid objekti temperatuuridel väljaspool vahemikku 0 °C kuni 60 °C. Seda dokumenti võib kasutada näitude hindamiseks aktsepteerimise otstarbel, kasutades ühte kahest meetodist: a) hindamine, mis põhineb peamiselt signaali näidu pikkusel ning kaja amplituudil; b) hindamine, mis põhineb näidu kirjeldamisel ning selle suuruse hindamisel sondi liigutamisega.

EVS-ISO 45001:2018

Töötervishoiu ja tööohutuse juhtimissüsteemid. Nõuded koos kasutusjuhistega

Occupational health and safety management systems -- Requirements with guidance for use (ISO 45001:2018, identical)

See dokument määrab kindlaks nõuded töötervishoiu ja tööohutuse (TTO) juhtimissüsteemile ja annab juhised, kuidas seda kasutada, et võimaldada organisatsioonidel pakkuda ohutuid ja tervislikke töökohti, ennetades tööga seonduvaid vigastusi ja tervisekahjustusi, samuti nagu proaktiivselt parendades organisatsiooni TTO-alast tulemuslikkust. Seda dokumenti kohaldatakse kõikide organisatsioonide suhtes, kes soovivad seada sisse, viia ellu ja hoida toimivana TTO juhtimissüsteemi, et parandada töötervishoidu ja tööohutust, kõrvaldada ohte ja minimeerida TTO riske (sealhulgas süsteemi vajakajäämisi), kasutada TTO võimalusi ja käsitleda oma tegevusega seotud TTO juhtimissüsteemi mittevastavusi. See dokument aitab organisatsioonil saavutada TTO juhtimissüsteemi kavatsetud väljundeid. TTO juhtimissüsteemi kavatsetavad väljundid, mis on kooskõlas organisatsiooni TTO-alaste juhtpõhimõtetega, hõlmavad järgmist: a) TTO-alase tulemuslikkuse järjepidev parendamine; b) õigusaktide jm nõuete täitmine; c) TTO-alaste eesmärkide saavutamine. See dokument on kohaldatav kõikidele organisatsioonidele nende suurusest, tüübist ja olemusest sõltumata. See kohaldub TTO riskidele, mida organisatsioon võib ohjata, võttes arvesse selliseid tegureid nagu kontekst, milles organisatsioon toimib, ning töötajate ja teiste huvipoolte vajadused ning ootused. See dokument ei esita eriomaseid kriteeriume ei TTO-alasele tulemuslikkusele ega kirjuta ette TTO juhtimissüsteemi ülesehitust. See dokument võimaldab organisatsioonil oma TTO juhtimissüsteemi kaudu lõimida tervise ja ohutuse muud aspektid, näiteks töötajate hea olemise / heaolu. Selles dokumendis ei käsitleta selliseid küsimusi nagu tooteohutus, varakahjustus või keskkonnamõjud väljaspool nendega seonduvaid ohtusid töötajatele ja teistele huvipooltele. Seda dokumenti võib kasutada tervikuna või osaliselt selleks, et TTO juhtimist süstemaatiliselt parendada. Selle dokumendiga vastavuses olekut ei saa siiski kinnitada, kuni kõik selle nõuded ei ole hõlmatud organisatsiooni TTO juhtimissüsteemiga ja täidetud ilma välistusteta.

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 15316-4-3:2017	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-3: Heat generation systems, thermal solar and photovoltaic systems, Module M3-8-3, M8-8-3, M11-8-3	Hoonete energiatõhusus. Süsteemide energiakasutuse ja kasutegurite arvutusmeetod. Osa 4-3: Küttesüsteemide soojusallikad, päikeseküttesüsteemid ja päikeseelektrisüsteemid, Moodul M3-8-3, M8-8-3, M11-8-3
EVS-EN 16890:2017	Children's furniture - Mattresses for cots and cribs - Safety requirements and test methods	Lastemööbel. Hällide ja võrevoodite madratsid. Ohutusnõuded ja katsemeetodid
EVS-EN ISO 12631:2017	Thermal performance of curtain walling - Calculation of thermal transmittance (ISO 12631:2017)	Rippfassaadide soojuslik toimivus. Soojusläbivuse arvutamine
EVS-EN ISO 17640:2017	Non-destructive testing of welds - Ultrasonic testing - Techniques, testing levels, and assessment (ISO 17640:2017)	Keevisõmbluste mittepurustav katsetamine. Ultraheliga katsetamine. Meetodid, katsetasemed ja hindamine