

EVS Teataja

Avaldatud 31.12.2021

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

SISUKORD

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ASUTATUD JA TEGEVUSE LÕPETANUD KOMITEED

EVS/PK 78 „Linnatänavad“ asutamine

Komitee tähis: EVS/TK 78

Komitee nimi: Linnatänavad

Komitee asutamise kuupäev: 21.12.2021

Komitee eesmärk: Parandada liiklusohutust, muuta tänavad rohkem inim-, keskkonna-, ja hooldesõbralikumaks, ligipääsetavaks ning muuta tehnilised lahendused majanduslikult optimaalseks, mis arvestaksid olemasolevaid ressursse. Selleks kaasajastatakse standardis EVS 843 esitatud tehnilised lahendused ning viiakse standard kooskõlla õigusaktidega.

Komitee esimees: Kalle Toomet

EVS koordinaator Mihkel Siitam (mihkel@evs.ee)

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 1540:2021

Workplace exposure - Terminology

This document specifies terms and definitions that are related to the assessment of workplace exposure to chemical and biological agents. These are either general terms or terms which are specific to physical and chemical processes of air sampling, the analytical method or method performance. The terms included are those that have been identified as being fundamental because their definition is necessary to avoid ambiguity and ensure consistency of use.

Keel: en

Alusdokumendid: EN 1540:2021

Asendab dokumenti: EVS-EN 1540:2011

EVS-EN IEC 60445:2021

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification -

Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2021)

See dokument käib elektriseadmete, nagu näiteks takistite, sulavkaitsmete, releede, kontaktorite, trafode, pöörlevate masinate ja sel määral mil rakendatav, selliste seadmete kombinatsioonide (nt koostete) klemmide tuvastamise ja märgistamise kohta, aga ka teatud kindla otstarbega juhtide otsastuste tuvastamise kohta. Selles nähakse ette ka põhireeglid teatavate värvide ja tähelis-numbriliste kombinatsioonide kasutamiseks juhtide tuvastamisel, et vältida nende segiajamist ja tagada ohutut talitlust. Need juhtide värvid ja tähelis-numbrilised kombinatsioonid on ette nähtud rakendamiseks kaabli- ja juhtmesoonel, kogumislattidel, elektriseadmetel ja kaablites või paigaldistes. See ohutuse põhipublikatsioon, mis keskendub ohutuse põhinõuetele, on eeskätt ette nähtud kasutamiseks tehnilistes komiteedes standardite koostamisel põhimõtete kohaselt, mis on esitatud juhendites IEC Guide 104 ja ISO/IEC Guide 51. Standard ei ole ette nähtud kasutamiseks tootjatele ega sertifitseerimisorganisatsioonidele. Tehniliste komiteede üks vastutusala on kasutada ohutuse põhipublikatsiooni, kui vähegi võimalik, oma publikatsioonide koostamisel. Selle ohutuse põhipublikatsiooni nõuded rakenduvad üksnes siis, kui vastavates publikatsioonides on neile viidatud või kui need neisse on lisatud.

Keel: en, et

Alusdokumendid: IEC 60445:2021; EN IEC 60445:2021

Asendab dokumenti: EVS-EN 60445:2017

EVS-IEC 60050-195:2021

Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock (IEC 60050-195:2021, identical)

Standardisarja IEC 60050 see osa esitab maandamist ja elektrilöögivastast kaitset puudutavad põhiterminid ja -määratlused. See uus väljaanne revideerib ja täiendab eelmist väljaannet. Juhendi IEC Guide 108 (Guidelines for ensuring the coherence of IEC publications – Horizontal functions, horizontal publications and their application) kohaselt on sellel horisontaalse publikatsiooni staatus. Esitatud terminid on kooskõlas rahvusvahelise elektrotehnika sõnastiku muudes eriosades välja töötatud terminitega. See horisontaalne publikatsioon on ette nähtud kasutamiseks eeskätt tehnilistes komiteedes IEC publikatsioonide väljatöötamisel juhendis IEC Guide 108 esitatud põhimõtete kohaselt. Tehnilise komitee üks kohustustest on kasutada kus iganes oma publikatsioonide väljatöötamisel horisontaalseid publikatsioone.

Keel: et-en

Alusdokumendid: IEC 60050-195:2021

Asendab dokumenti: EVS-IEC 60050(195):2003

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

EVS-EN 17478:2021

Transport Services - Customer communications for passenger transport services - A Universal Design approach

This document specifies requirements and recommendations for the planning, design, development and provision of user communications related to passenger transport so that these communications can be accessed, understood and used by the widest range of users, including persons with disabilities and older persons. These requirements and recommendations enable an organization to extend its range of users by identifying diverse characteristics, capabilities, and preferences. The requirements specified in this standard are applicable to but not limited to passenger transport service providers including air-, bus, rail-, and waterborne passenger transport services.

Keel: en

Alusdokumendid: I.S.373; EN 17478:2021

EVS-EN 4179:2021

Aerospace series - Qualification and approval of personnel for non-destructive testing

1.1 Purpose This document establishes the minimum requirements for the qualification and certification of personnel performing non-destructive testing (NDT), non-destructive inspection (NDI), or non-destructive evaluation (NDE) in the aerospace manufacturing, service, maintenance and overhaul industries. For the purposes of this document, the term NDT will be used and will be considered equivalent to NDI and NDE. In Europe, the term "approval" is used to denote a written statement by an employer that an individual meets specific requirements and has operating approval. The term "certification" as defined in 3.2 is used throughout this document as a substitute for the term "approval". Except when otherwise specified in the written practice, certification in accordance with this document includes operating approval. 1.2 Applicability 1.2.1 General This document applies to personnel using NDT methods to test and/or accept materials, products, components, assemblies or sub-assemblies. This document also applies to personnel: directly responsible for the technical adequacy of the NDT methods used, who approve NDT procedures and/or work instructions, who audit NDT facilities, or who provide technical NDT support or training. This document does not apply to individuals who only have administrative or supervisory authority over NDT personnel or to research personnel developing NDT technology for subsequent implementation and approval by a certified Level 3. Personnel performing specialized inspections using certain direct readout instruments as determined by a Level 3 person certified in the test method, do not require qualification or certification to this document. 1.2.2 Implementation This document addresses the use of a National Aerospace NDT Board (NANDTB). NANDTBs are only used as specified according to Annex C and it is not mandatory to have such a board for compliance with this document. Personnel certified to previous revisions of NAS 410 or EN 4179 need not recertify to the requirements of this document until their current certification expires. 1.3 Test Methods 1.3.1 Common test methods This document contains detailed requirements for the following common NDT methods: Eddy Current Testing (ET) Magnetic Particle Testing (MT) Penetrant Testing (PT) Radiographic Testing (RT) Thermographic Testing (TT) Ultrasonic Testing (UT) 1.3.2 Other test methods When invoked by engineering, quality, cognizant engineering organization or prime contractor requirements, this document applies to other current and emerging NDT methods used to determine the acceptability or suitability for intended service of a material, part, component, assembly or sub-assembly. Such test methods can include, but are not limited to, acoustic emission testing (AT), neutron radiography, leak testing, holography, and shearography. The requirements for personnel training, experience, and examination for these other test methods are established in accordance with 6.4 and are documented by the employer.

Keel: en

Alusdokumendid: EN 4179:2021

Asendab dokumenti: EVS-EN 4179:2017

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 21322:2021

Cosmetics - Microbiology - Testing of impregnated or coated wipes and masks (ISO 21322:2020)

This document gives guidance for the enumeration and/or detection of microorganisms present in a cosmetic product that is impregnated or coated onto a substrate (i.e. wipes and masks) where sampling and microbiological influence of the manufactured product presents particular challenges in terms of microbiological sampling and testing. The principle of this document can also be applied to test similar products (e.g. cushion, impregnated sponge, etc.) or applicators (e.g. brush, puff, sponge, etc.) with modification of the procedure as appropriate.

Keel: en

Alusdokumendid: ISO 21322:2020; EN ISO 21322:2021

11 TERVISEHOOLDUS

CEN/TS 15209:2021

Tactile paving surface indicators produced from concrete, clay and stone

This document specifies the method of measurement and acceptance criteria for the dimensions for surface profile features and patterns for the surface of pedestrian paving units, used to convey information for visually impaired people. It applies to paving units made of concrete, clay and stone where the tactile profiles are monolithic with the unit. The surface profiles are intended to be applied to units manufactured to EN 1338, EN 1339, EN 1341, and EN 1344 which can be square or rectangular as specified by the designer. It does not specify dimensions of a single tactile paving layout or profile but proposes ranges within which these dimensions should fall. Default dimensions are given in the absence of a national requirement. This document proposes methods of measurement of profiles, light reflectance and colour but does not specify requirements for these characteristics. These properties will be decided by the designer taking into account the regulations, codes of practice, and guidance in the place of use of the units. It does not specify material characteristics.

Keel: en

Alusdokumendid: CEN/TS 15209:2021

Asendab dokumenti: CEN/TS 15209:2008

CEN/TS 17688-1:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for Fine Needle Aspirates (FNAs) - Part 1: Isolated cellular RNA

This document gives guidelines on the handling, documentation, storage and processing of fine needle aspirates (FNAs) intended for RNA examination during the pre-examination phase before a molecular examination is performed. This document is applicable to molecular in vitro diagnostic examination including laboratory developed tests performed by medical laboratories and molecular pathology laboratories that examine RNA isolated from FNAs. It is also intended to be used by laboratory

customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organisations performing biomedical research, and regulatory authorities. Different dedicated measures are taken for collecting, stabilizing, transporting and storing of core needle biopsies (FNA Biopsy or FNA B) and are not covered in this document, but in EN ISO 20184-1, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 1: Isolated RNA and EN ISO 20166-1, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for formalin fixed and paraffin-embedded (FFPE) tissue - Part 1: Isolated RNA. This document is not applicable for RNA examination by in situ detection. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en

Alusdokumendid: CEN/TS 17688-1:2021

CEN/TS 17688-2:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for Fine Needle Aspirates (FNAs) - Part 2: Isolated proteins

This document gives guidelines on the handling, documentation, storage and processing of fine needle aspirates (FNAs) intended for protein examination during the pre-examination phase before a molecular examination is performed. This document is applicable to molecular in vitro diagnostic examinations including laboratory developed tests performed by medical laboratories and molecular pathology laboratories that examine proteins isolated from FNAs. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organisations performing biomedical research, and regulatory authorities. Different dedicated measures are taken for collecting, stabilizing, transporting and storing of core needle biopsies (FNA Biopsy or FNA B) and are not covered in this document, but in EN ISO 20184-2, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 2: Isolated proteins and EN ISO 20166-2, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for formalin fixed and paraffin-embedded (FFPE) tissue - Part 2: Isolated proteins. This document is not applicable for protein examination by immunohistochemistry. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en

Alusdokumendid: CEN/TS 17688-2:2021

CEN/TS 17688-3:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for Fine Needle Aspirates (FNAs) - Part 3: Isolated genomic DNA

This document gives guidelines on the handling, documentation, storage and processing of fine needle aspirates (FNAs) intended for gDNA examination during the pre-examination phase before a molecular examination is performed. This document is applicable to molecular in vitro diagnostic examinations including laboratory developed tests performed by medical laboratories and molecular pathology laboratories that examine gDNA isolated from FNAs. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organisations performing biomedical research, and regulatory authorities. Different dedicated measures are taken for collecting, stabilizing, transporting and storing of core needle biopsies (FNA Biopsy or FNA B) and are not covered in this document, but EN ISO 20184-3, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 3: Isolated DNA and EN ISO 20166-3, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for formalin-fixed and paraffin-embedded (FFPE) tissue - Part 3: Isolated DNA. This document is not applicable for pathogen DNA examination and gDNA examination by in situ detection. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en

Alusdokumendid: CEN/TS 17688-3:2021

EVS-EN IEC 60601-2-41:2021

Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgias ja diagnoosimisel kasutatavate valgustite esmasele ohutusele ja olulistele toimimisnäitajatele Medical electrical equipment - Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis

201.1 Scope, and object Clause 1 of the general standard¹ applies, except as follows: 201.1.1 * Scope Replacement: This part of IEC 60601 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of SURGICAL LUMINAIRES and LUMINAIRES FOR DIAGNOSIS, hereafter referred to as ME EQUIPMENT. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. This particular standard does not apply to – headlights; – endoscopes, laparoscopes and their light sources, which are covered by IEC 60601-2-18; – luminaires used in dentistry, which are covered by ISO 9680; – luminaires for general purposes, which are covered by IEC 60598-2-1 and IEC 60598-2-4; – luminaires dedicated to therapeutic purposes; – special purpose lights with different conditions of use such as light sources intended solely for decontamination of air and surfaces, UV lights for dermatological diagnosis, slit lamps for ophthalmology, lights for surgical microscopes and lights for surgical navigation systems; – lights connected to surgical instruments, such as luminous retractors; – luminaires for emergency lighting, which are covered by IEC 60598-2-22. NOTE See also 4.2 of the general standard. SURGICAL LUMINAIRES and LUMINAIRES FOR DIAGNOSIS are medical devices and not general lighting equipment. 201.1.2 Object Replacement: The object of this particular standard is to establish particular BASIC SAFETY and ESSENTIAL PERFORMANCE requirements for SURGICAL LUMINAIRES and LUMINAIRES FOR DIAGNOSIS as defined in 201.3.

Keel: en

Alusdokumendid: IEC 60601-2-41:2021; EN IEC 60101-2-41:2021

Asendab dokumenti: EVS-EN 60601-2-41:2010
Asendab dokumenti: EVS-EN 60601-2-41:2010/A1:2015
Asendab dokumenti: EVS-EN 60601-2-41:2010/A11:2011

EVS-EN IEC 62563-2:2021

Medical electrical equipment - Medical image display systems - Part 2: Acceptance and constancy tests for medical image displays

This part of IEC 62563 establishes the performance CRITERIA and test frequencies for the ACCEPTANCE TESTS and CONSTANCY TESTS. The evaluation methods are defined in IEC 62563-1. The scope of this document is directed to practical tests that can be visually evaluated or measured using basic test equipment. This document applies to medical IMAGE DISPLAY SYSTEMS, which can display monochrome image information in the form of greyscale values on colour and greyscale IMAGE DISPLAY SYSTEMS. This document does not apply to information displays and to displays used solely for control of technical settings of all medical information.

Keel: en

Alusdokumendid: IEC 62563-2:2021; EN IEC 62563-2:2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TR 17739:2021

Algae and algae products - Specifications for chemicals and biofuels sector applications

The purpose of this document is to provide an overview on how quality indicating parameters for algae and algae products and intermediates relevant for chemical and bioenergy applications can be handled and to identify the need for future standards development for chemicals, bioenergy and biofuels applications. This document does not provide instructions on handling of technical requirements in existing legislations.

Keel: en

Alusdokumendid: CEN/TR 17739:2021

CEN/TS 17660-1:2021

Air quality - Performance evaluation of air quality sensor systems - Part 1: Gaseous pollutants in ambient air

This document specifies the general principles, including testing procedures and requirements, for the classification of performance of low-cost sensor systems for the monitoring of gaseous compounds in ambient air at fixed sites. The classification of sensor systems includes tests that are performed under prescribed laboratory and field conditions. The procedure described is applicable to the determination of the mass concentration of air pollutants. The pollutants that are considered in this document are the gaseous pollutants regulated under Directive 2008/50/EC (O₃, NO/NO₂/NO_x, CO, SO₂ and benzene) in the range of concentrations expected in ambient air. This document provides a classification that is consistent with the requirements for indicative measurements and objective estimation defined in Directive 2008/50/EC. In addition, it provides a classification for applications (non-regulatory measurements) that require more relaxed performance criteria. This document applies to sensor systems used as individual systems. It does not apply to sensor systems as part of a sensor network. However, for some applications (e.g. in cities) sensor systems are deployed as part of a sensor network. Annex A gives information on the use of sensor systems as nodes in a sensor network. This document gives guidance on the testing of CO₂ sensor systems in Annex B since, although not listed in Directive 2008/50/EC, CO₂ is an interesting indicator as proxy for activities involving combustion processes or for CO₂ evaporation from soil or water.

Keel: en

Alusdokumendid: CEN/TS 17660-1:2021

EVS-EN 12873-2:2021

Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for non-metallic and non-cementitious site-applied materials

This document specifies a procedure to determine the migration of substances from non-metallic and non-cementitious site-applied materials for use in contact with water intended for human consumption. It is applicable to site-applied materials intended to be used under various conditions for the transport and storage of water intended for human consumption, including raw water used for the production of water intended for human consumption. It covers the extraction by water of substances from these materials after their application on site. The document is applicable to materials whose physical or chemical properties alter during or after on-site application, such as coatings, paints, and adhesives. In addition, some site-applied materials that do not change in such a manner, e.g. greases or lubricants, are also included.

Keel: en

Alusdokumendid: EN 12873-2:2021

Asendab dokumenti: EVS-EN 12873-2:2005

EVS-EN 1366-11:2018+A1:2021

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

This European Standard describes the method to evaluate the performance of protective systems for electrical cable and busbar systems in order to maintain the circuit integrity under fire conditions to classify the protective system according to EN 13501-3 for the P classification. The test examines the behaviour of cable protection systems exposed to fire from outside. The

tests specified in this standard are not aimed for assessing the performance of the fire protective system and the penetration seal for maintaining the requirements of the penetrated wall or ceiling (classification E / I). This method is very different to EN 50200 for the PH classification and also to IEC 60331-11, IEC 60331-21, IEC 60331-23, and IEC 60331-25, which are not designed for fire protective systems for electrical cable systems. This standard should be used in conjunction with EN 1363-1. The test results apply to fire protective systems for electrical cable systems rated for voltages up to 1 kV. The test procedure should also be used to determine the performance of protective systems for use with data and optical cables, however, verification procedures for such cables are still under development. Proposals are given in Annex C. The protective system may include ventilation devices, inspection hatches, fixed or removable lids etc. The tests specified in this standard are not aimed for assessing the performance of sprayed or painted coatings (e.g. intumescent or ablative coating, plastic film, epoxy resin) and similar protective layers (e.g. wrap, bandage) applied directly on the cables or bus bars as fire protective system. Also, cables and bus bars with intrinsic resistance to fire, and without fire protective systems around, are excluded (see CENELEC standard EN 50577). This test method is not applicable for cabinets for electrical accessory containing bus systems, relays or similar.

Keel: en

Alusdokumendid: EN 1366-11:2018+A1:2021

Asendab dokumenti: EVS-EN 1366-11:2018

EVS-EN 14583:2021

Workplace exposure - Volumetric bioaerosol samplers - General requirements and evaluation of performance

This document specifies general requirements for the evaluation of volumetric bioaerosol samplers in order to assess workplace exposure and their physical and biological performance. This document describes the procedures for the development of volumetric bioaerosol samplers as well as their properties and validation. This document provides a description of a test facility and selection criteria for microbial strains that can be used to assess their biological performance. This document addresses requirements to manufacturers and developers of volumetric bioaerosol samplers as well as to test facilities with the equipment and skills to carry out the performance measurements of these samplers (see Annex D for application guidance). This document is not intended for operators who use volumetric bioaerosol samplers to carry out exposure measurements for workers at occupational settings. This document is not applicable for clean room measurements other than for occupational safety.

Keel: en

Alusdokumendid: EN 14583:2021

Asendab dokumenti: EVS-EN 14583:2004

EVS-EN 1540:2021

Workplace exposure - Terminology

This document specifies terms and definitions that are related to the assessment of workplace exposure to chemical and biological agents. These are either general terms or terms which are specific to physical and chemical processes of air sampling, the analytical method or method performance. The terms included are those that have been identified as being fundamental because their definition is necessary to avoid ambiguity and ensure consistency of use.

Keel: en

Alusdokumendid: EN 1540:2021

Asendab dokumenti: EVS-EN 1540:2011

EVS-EN 16166:2021

Soil, treated biowaste and sludge - Determination of adsorbed organically bound halogens (AOX)

This document specifies an operationally defined method for the direct determination of organically bound halogens (chlorine, bromine and iodine) adsorbed and occluded to the sample matrix. AOX being a methodologically defined parameter, it is essential that the procedure is applied without any modification. This document is intended for analysis of sludge, treated biowaste or soil in concentrations ranging from 5 mg/kg dry matter. The upper limit and exact concentration range covered depend on the instrumentation used for determination. NOTE This method can also be applied to other environmental solid matrices, provided the user has verified the applicability.

Keel: en

Alusdokumendid: EN 16166:2021

Asendab dokumenti: EVS-EN 16166:2012

EVS-EN 17527:2021

Helium cryostats - Protection against excessive pressure

This document specifies the minimum requirements for the protection of helium cryostats against excessive pressure rise, including the specific risks associated with cryostats for superconducting magnets and cryostats for superconducting radio-frequency cavities, coldboxes of helium refrigerators and liquefiers as well as helium distribution systems including valve boxes. It includes information on risk assessment, protection concepts, dimensioning of pressure relief devices, types of pressure relief devices, substance release and operation of helium cryostats. In order to fulfil the aim of this document, the characteristics of pressure relief devices are taken into account.

Keel: en

Alusdokumendid: DIN SPEC 4683; EN 17527:2021

EVS-EN 50131-2-2:2021

Alarm systems - Intrusion and hold-up systems - Part 2-2: Requirements for passive infrared detectors

This document is for passive infrared detectors installed in buildings and provides for security grades 1 to 4 (see EN 50131-1), specific or non-specific wired or wire-free detectors, and uses environmental classes I to IV (see EN 50130-5). This document does not include requirements for detectors intended for use outdoors. The purpose of the detector is to detect the broad spectrum infrared radiation emitted by an intruder, to analyse the resulting signals and to provide the necessary range of signals or messages to be used by the rest of the intrusion alarm system. The grade-dependent requirements of this document apply and it is essential that a detector fulfils all the requirements of the specified grade. Functions additional to the mandatory functions specified in this document can be included in the detector, providing they do not influence the correct operation of the mandatory functions. Requirements for system interconnections are not included in this document.

Keel: en

Alusdokumendid: EN 50131-2-2:2021

Asendab dokumenti: EVS-EN 50131-2-2:2017

EVS-EN 50131-2-3:2021

Alarm systems - Intrusion and hold-up systems - Part 2-3: Requirements for microwave detectors

This document is for microwave detectors installed in buildings and provides for security grades 1 to 4 (see EN 50131-1), specific or non-specific wired or wire-free detectors, and uses environmental classes I to IV (see EN 50130-5). This document does not include requirements for detectors intended for use outdoors. The purpose of the detector is to emit microwave signals and analyse the signals that are returned to detect an intruder and to provide the necessary range of signals or messages to be used by the rest of the intrusion alarm system. The grade-dependent requirements of this document apply and it is essential that a detector fulfils all the requirements of the specified grade. Functions additional to the mandatory functions specified in this document can be included in the detector, providing they do not influence the correct operation of the mandatory functions. Requirements for system interconnections are not included in this document.

Keel: en

Alusdokumendid: EN 50131-2-3:2021

Asendab dokumenti: EVS-EN 50131-2-3:2008

Asendab dokumenti: EVS-EN 50131-2-3:2008/IS1:2014

EVS-EN 50632-2-11:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-11: Particular requirements for jig and sabre saws

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for jig and sabre saws.

Keel: en

Alusdokumendid: EN 50632-2-11:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-11:2016

EVS-EN 50632-2-3:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-3: Particular requirements for concrete grinders and disk-type sanders

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for concrete grinders and disk-type sanders.

Keel: en

Alusdokumendid: EN 50632-2-3:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-3:2016

EVS-EN 50632-2-4:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-4: Particular requirements for sanders other than disk type

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for sanders other than disk type.

Keel: en

Alusdokumendid: EN 50632-2-4:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-4:2016

EVS-EN 60335-2-54:2009/A12:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

Amendment to EN 60335-2-54:2008

Keel: en

Alusdokumendid: EN 60335-2-54:2008/A12:2021

Muudab dokumenti: EVS-EN 60335-2-54:2009

EVS-EN 60335-2-54:2009/A2:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

This European Standard deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces by using liquid cleansing agents or steam, their rated voltage being not more than 250 V. It also covers wallpaper strippers.

Keel: en

Alusdokumendid: IEC 60335-2-54:2008/A2:2019; EN 60335-2-54:2008/A2:2021

Muudab dokumenti: EVS-EN 60335-2-54:2009

EVS-EN 62820-1-1:2016/A11:2021

Building intercom systems - Part 1-1: System requirements - General

Amendment to EN 62820-1-1:2016

Keel: en

Alusdokumendid: EN 62820-1-1:2016/A11:2021

Muudab dokumenti: EVS-EN 62820-1-1:2016

EVS-EN IEC 60335-2-105:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

IEC 60335-2-105:2016 deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in hotels, fitness centres and similar locations, are within the scope of this standard. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This second edition cancels and replaces the first edition published in 2004 including its Amendment 1 (2008) and its Amendment 2 (2013). It constitutes a technical revision. The principal changes in this edition as compared with the first edition of IEC 60335-2-105 are as follows: - revised the application of a live part (8.1.4); - aligned the temperature rise limits of surfaces likely to be in contact with the skin with IEC Guide 117 for a contact time of one minute (Table 3). This publication is to be read in conjunction with IEC 60335-1:2010. It was established on the basis of the fifth edition (2010) of that standard. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en

Alusdokumendid: IEC 60335-2-105:2016; EN IEC 60335-2-105:2021

Asendab dokumenti: EVS-EN 60335-2-105:2005

Asendab dokumenti: EVS-EN 60335-2-105:2005/A1:2008

Asendab dokumenti: EVS-EN 60335-2-105:2005/A11:2010

Asendab dokumenti: EVS-EN 60335-2-105:2005/A2:2020

EVS-EN IEC 60335-2-105:2021/A1:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

This European Standard deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: IEC 60335-2-105:2016/A1:2019; EN IEC 60335-2-105:2021/A1:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021

EVS-EN IEC 60335-2-105:2021/A11:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele

Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

This European Standard deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: EN IEC 60335-2-105:2021/A11:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021/A1:2021

EVS-EN IEC 60335-2-41:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele

Household and similar electrical appliances - Safety - Particular requirements for pumps

Endorsement of the text of the International Standard IEC 60335-2-41:2012 with the related agreed European Common Modifications.

Keel: en

Alusdokumendid: IEC 60335-2-41:2012; EN IEC 60335-2-41:2021

Asendab dokumenti: EVS-EN 60335-2-41:2003

Asendab dokumenti: EVS-EN 60335-2-41:2003/A1:2004

Asendab dokumenti: EVS-EN 60335-2-41:2003/A2:2010

EVS-EN IEC 60335-2-41:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele

Household and similar electrical appliances - Safety - Particular requirements for pumps

Amendment to EN IEC 60335-2-41:2021

Keel: en

Alusdokumendid: EN IEC 60335-2-41:2021/A11:2021

Muudab dokumenti: EVS-EN IEC 60335-2-41:2021

EVS-EN IEC 60445:2021

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification -

Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2021)

See dokument käib elektriseadmete, nagu näiteks takistite, sulavkaitsmete, releede, kontaktorite, trafode, pöörlevate masinate ja sel määral mil rakendatav, selliste seadmete kombinatsioonide (nt koostete) klemmide tuvastamise ja märgistamise kohta, aga ka teatud kindla otstarbega juhtide otsastuste tuvastamise kohta. Selles nähakse ette ka põhireeglid teatavate värvide ja tähelis-numbriliste kombinatsioonide kasutamiseks juhtide tuvastamisel, et vältida nende segijamist ja tagada ohutut talitlust. Need juhtide värvid ja tähelis-numbrilised kombinatsioonid on ette nähtud rakendamiseks kaabli- ja juhtmesoonel, kogumislattidel, elektriseadmetel ja kaablites või paigaldistes. See ohutuse põhipublikatsioon, mis keskendub ohutuse põhinõuetele, on eeskätt ette nähtud kasutamiseks tehnilistes komiteedes standardite koostamisel põhimõtete kohaselt, mis on esitatud juhendites IEC Guide 104 ja ISO/IEC Guide 51. Standard ei ole ette nähtud kasutamiseks tootjatele ega sertifitseerimisorganisatsioonidele. Tehniliste komiteede üks vastutusosaladest on kasutada ohutuse põhipublikatsioone, kui vähegi võimalik, oma publikatsioonide koostamisel. Selle ohutuse põhipublikatsiooni nõuded rakenduvad üksnes siis, kui vastavates publikatsioonides on neile viidatud või kui need neisse on lisatud.

Keel: en, et

Alusdokumendid: IEC 60445:2021; EN IEC 60445:2021

Asendab dokumenti: EVS-EN 60445:2017

EVS-EN ISO 19085-3:2021

Puidutöötlemismasinad. Ohutus. Osa 3: Arvjuhtimisega (NC/CNC) puurid ja profiilreesid

Woodworking machines - Safety - Part 3: Numerically controlled (NC/CNC) boring and routing machines (ISO 19085-3:2021)

This document gives the safety requirements and measures for numerically controlled (NC/CNC) boring machines, NC/CNC routing machines and NC/CNC boring and routing machines (as defined in 3.2, 3.3 and 3.4), capable of continuous production

use, hereinafter referred to as "machines". This document deals with all significant hazards, hazardous situations and events, listed in Annex A, relevant to the machines when they are operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account. This document is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: -additional working units for sawing, sanding, assembling or dowel inserting; -fixed or movable workpiece support; -mechanical, pneumatic, hydraulic or vacuum workpiece clamping; -automatic tool change devices. It is also applicable to machines fitted with edge-banding equipment, even if the relevant specific hazards have not been dealt with. NOTE For the risk assessment needed for the edge-banding equipment, ISO 19085-17 can be useful. Machines covered in this document are designed for workpieces consisting of: -solid wood; -material with similar physical characteristics to wood (see ISO 19085-1:2021, 3.2); -gypsum boards, gypsum bounded fibreboards, cardboard; -matrix engineered mineral boards, silicate boards; -composite materials with core consisting of polyurethane or mineral material laminated with light alloy; -polymer-matrix composite materials and reinforced thermoplastic/thermoset/elastomeric materials; -aluminium light alloy profiles; -aluminium light alloy plates with a maximum thickness of 10 mm; -composite boards made from the materials listed above. This document does not deal with specific hazards related to: -use of grinding wheels; -ejection through openings guarded by curtains on machines where the height of the opening in the enclosure above the workpiece support exceeds 700 mm; -ejection due to failure of milling tools with a cutting circle diameter equal to or greater than 16 mm and sawing tools not conforming to EN 847-1:2017 and EN 847-2:2017; -the combination of a single machine being used with other machines (as a part of a line); -integrated workpiece loading/unloading systems (e.g. robots). This document is not applicable to: -single spindle hand fed or integrated fed routing machines; -machines intended for use in potentially explosive atmosphere; -machines manufactured prior to its publication.

Keel: en

Alusdokumendid: ISO 19085-3:2021; EN ISO 19085-3:2021

Asendab dokumenti: EVS-EN ISO 19085-3:2017

EVS-EN ISO 22568-4:2021

Foot and leg protectors - Requirements and test methods for footwear components - Part 4: Non-metallic perforation resistant inserts (ISO 22568-4:2021)

This document specifies requirements and test methods for the non-metallic inserts with resistance against mechanical perforation, intended to function as components of PPE footwear (e.g. as described by ISO 20345, ISO 20346 and ISO 20347).

Keel: en

Alusdokumendid: ISO 22568-4:2021; EN ISO 22568-4:2021

Asendab dokumenti: EVS-EN ISO 22568-4:2019

EVS-EN ISO 22867:2021

Metsa- ja aiatöö masinad. Käes kantavate sisepõlemismootoriga masinate vibratsioonikatsete eeskirjad. Käepidemete vibratsiooni mõõtmine

Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2021)

This document specifies a vibration test code for determining, efficiently and under standardized conditions, the magnitude of vibration at the handles of portable hand-held, internal-combustion-engine-powered forest and garden machinery, including chain-saws, brush-cutters, grass-trimmers, edgers, pole-mounted powered pruners, hedge-trimmers and garden-blowers. Although the magnitudes measured are obtained in an artificial operation, they nevertheless give an indication of the values to be found in a real work situation. Vibration test codes, as described in this document, enable the manufacturer to verify the effort regarding low vibration design.

Keel: en

Alusdokumendid: ISO 22867:2021; EN ISO 22867:2021

Asendab dokumenti: EVS-EN ISO 22867:2011

EVS-EN ISO 24032:2021

Soil quality - In situ caging of snails to assess bioaccumulation of contaminants (ISO 24032:2021)

This document describes a method to assess the bioaccumulation of chemicals in snails, i.e. concentrations of metal(loid)s (ME) or organic compounds [e.g. polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs)] accumulated in their tissues. This document presents how to prepare snails for caging in situ for 28 days, the in situ test design and then how to collect and prepare the snails until conservation and further analysis. If a kinetic study of accumulation is necessary, sampling of snails at different time-points during exposure is possible as well [13],[19],[22]. This document excludes analytical methods. Preparation (extraction and mineralization) of the samples and quantification of chemicals are not in the scope of the present document. The method is applicable for soils under different uses (agricultural, industrial, residential, forests, before and after remediation, on potentially contaminated sites, etc.) and waste materials [8],[10], preferably with vegetation and/or humus cover. The method is applicable subject to certain limits of temperature (frost-free period, i.e. mainly from April to October in temperate region). Optionally (see Annex I), the method can be used in the laboratory to evaluate the accumulation of contaminants [and optionally, the sum of excess of transfer (SET) index for ME, PAH, PCB] of snails exposed only to soil.

Keel: en

Alusdokumendid: ISO 24032:2021; EN ISO 24032:2021

EVS-EN ISO 8996:2021

Ergonomics of the thermal environment - Determination of metabolic rate (ISO 8996:2021)

This document specifies different methods for the determination of metabolic rate in the context of ergonomics of the thermal working environment. It can also be used for other applications, e.g. the assessment of working practices, the energetic cost of specific jobs or sport activities and the total energy cost of an activity. The methods are classified in four levels of increasing accuracy: level 1, Screening, with a table giving examples of activities with low, moderate and high metabolic rates; level 2, Observation, where the metabolic rate is estimated by a time and motion study; level 3, Analysis, where the metabolic rate is estimated from heart rate recordings or accelerometers measurements; and level 4, Expertise, where more sophisticated techniques are described. The procedure to put into practice these methods is presented and the uncertainties are discussed.

Keel: en

Alusdokumendid: ISO 8996:2021; EN ISO 8996:2021

Asendab dokumenti: EVS-EN ISO 8996:2004

EVS-IEC 60050-195:2021

Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock (IEC 60050-195:2021, identical)

Standardisarja IEC 60050 see osa esitab maandamist ja elektrilöögivastast kaitset puudutavad põhiterminid ja -määratlused. See uus väljaanne revideerib ja täiendab eelmist väljaannet. Juhendi IEC Guide 108 (Guidelines for ensuring the coherence of IEC publications – Horizontal functions, horizontal publications and their application) kohaselt on sellel horisontaalse publikatsiooni staatus. Esitatud terminid on kooskõlas rahvusvahelise elektrotehnika sõnastiku muudes eriosades välja töötatud terminitega. See horisontaalne publikatsioon on ette nähtud kasutamiseks eeskätt tehnilistes komiteedes IEC publikatsioonide väljatöötamisel juhendis IEC Guide 108 esitatud põhimõtete kohaselt. Tehnilise komitee üks kohustustest on kasutada kus iganes oma publikatsioonide väljatöötamisel horisontaalseid publikatsioone.

Keel: et-en

Alusdokumendid: IEC 60050-195:2021

Asendab dokumenti: EVS-IEC 60050(195):2003

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

EVS-EN IEC 61557-17:2021

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 17: Non-contact AC voltage indicators

This part of IEC 61557 defines minimum performance requirements for non-contact AC voltage indicators to reduce the risk of electric shock caused by the wrong interpretation of the indication for the testing person and bystanders. Products designed and manufactured in accordance with this standard are for use by (electrically) skilled persons only. Non-contact AC voltage indicators are not designed for testing the absence of the operating voltage.

Keel: en

Alusdokumendid: EN IEC 61557-17:2021; IEC 61557-17:2021

19 KATSETAMINE

EVS-EN 4179:2021

Aerospace series - Qualification and approval of personnel for non-destructive testing

1.1 Purpose This document establishes the minimum requirements for the qualification and certification of personnel performing non-destructive testing (NDT), non-destructive inspection (NDI), or non-destructive evaluation (NDE) in the aerospace manufacturing, service, maintenance and overhaul industries. For the purposes of this document, the term NDT will be used and will be considered equivalent to NDI and NDE. In Europe, the term "approval" is used to denote a written statement by an employer that an individual meets specific requirements and has operating approval. The term "certification" as defined in 3.2 is used throughout this document as a substitute for the term "approval". Except when otherwise specified in the written practice, certification in accordance with this document includes operating approval. 1.2 Applicability 1.2.1 General This document applies to personnel using NDT methods to test and/or accept materials, products, components, assemblies or sub-assemblies. This document also applies to personnel: directly responsible for the technical adequacy of the NDT methods used, who approve NDT procedures and/or work instructions, who audit NDT facilities, or who provide technical NDT support or training. This document does not apply to individuals who only have administrative or supervisory authority over NDT personnel or to research personnel developing NDT technology for subsequent implementation and approval by a certified Level 3. Personnel performing specialized inspections using certain direct readout instruments as determined by a Level 3 person certified in the test method, do not require qualification or certification to this document. 1.2.2 Implementation This document addresses the use of a National Aerospace NDT Board (NANDTB). NANDTBs are only used as specified according to Annex C and it is not mandatory to have such a board for compliance with this document. Personnel certified to previous revisions of NAS 410 or EN 4179 need not recertify to the requirements of this document until their current certification expires. 1.3 Test Methods 1.3.1 Common test methods This document contains detailed requirements for the following common NDT methods: Eddy Current Testing (ET) Magnetic Particle Testing (MT) Penetrant Testing (PT) Radiographic Testing (RT) Thermographic Testing (TT) Ultrasonic Testing (UT) 1.3.2 Other test methods When invoked by engineering, quality, cognizant engineering organization or prime contractor requirements, this document applies to other current and emerging NDT methods used to determine the acceptability or suitability for intended service of a material, part, component, assembly or sub-assembly. Such test methods can include, but are not limited to, acoustic emission testing (AT), neutron radiography, leak testing, holography, and

shearography. The requirements for personnel training, experience, and examination for these other test methods are established in accordance with 6.4 and are documented by the employer.

Keel: en

Alusdokumendid: EN 4179:2021

Asendab dokumenti: EVS-EN 4179:2017

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 1555-7:2021

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 7: Guidance for the assessment of conformity

This document gives guidance for the assessment of conformity of compounds, products, joints and assemblies in accordance with the applicable part(s) of EN 1555 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures. This document gives recommendations that the quality management system conforms to or is no less stringent than the relevant requirements to EN ISO 9001. NOTE 1 If certification is involved, the certification and inspection body is preferably compliant with EN ISO/IEC 17065, EN ISO/IEC 17021 or EN ISO/IEC 17020, as applicable. In conjunction with Parts 1 to 5 of EN 1555 (see Foreword), this document is applicable to polyethylene (PE) plastics piping systems for the supply of gaseous fuels. It is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar; b) an operating temperature of 20 °C as reference temperature. NOTE 2 For other operating temperatures, derating coefficients can be used; see EN 1555-5.

Keel: en

Alusdokumendid: CEN/TS 1555-7:2021

Asendab dokumenti: CEN/TS 1555-7:2013

EVS-EN 12952-10:2021

Veetoruudega katlad ja abipaigaldised. Osa 10: Nõuded kaitseadmetele kaitseks ülemäärase surve eest

Water-tube boilers and auxiliary installations - Part 10: Requirements for safety devices against excessive pressure

Selles dokumendis täpsustatakse standardis EN 12952-1:2015 määratletud nõudeid veetorukatelde ülerõhu kaitseadmetele.

Keel: en, et

Alusdokumendid: EN 12952-10:2021

Asendab dokumenti: EVS-EN 12952-10:2002

EVS-EN 13433:2021

Devices to prevent pollution by backflow of potable water - Mechanical disconnecter, direct actuated - Family G, type A

This document specifies the dimensional, physical-chemical, design, hydraulic, mechanical and acoustic characteristics of mechanical disconnecters, direct actuated Family G, Type A. This document is applicable to mechanical disconnecters in nominal sizes DN 8 up to DN 250, intended to prevent the return of water having lost its original sanitary and drinking qualities (called "polluted water" in this document), into the potable water distribution system whenever the pressure of the latter is temporarily lower than in the polluted circuit. This document covers the mechanical disconnecters of PN 10 that are capable of working without modification or adjustment: — at any pressure up to 1,0 MPa (10 bar); — with any pressure variation up to 1,0 MPa (10 bar); — in permanent duty at a limit temperature of 65 °C and 90 °C for 1 h maximum. It specifies also the test methods and requirements for verifying these characteristics, the marking and the presentation at delivery.

Keel: en

Alusdokumendid: EN 13433:2021

EVS-EN 13434:2021

Devices to prevent pollution by backflow of potable water - Mechanical disconnecter, flow actuated - Family G, Type B

This document specifies the dimensional, physical-chemical, design, hydraulic, mechanical and acoustic characteristics of mechanical disconnecters, flow actuated Family G, Type B. This document is applicable to mechanical disconnecters flow actuated in nominal sizes DN 8 up to DN 250, intended to prevent the return of water having lost its original sanitary and drinking qualities (called "polluted water" in this document), into the potable water distribution system whenever the pressure of the latter is temporarily lower than in the polluted circuit. This document covers the mechanical disconnecters of PN 10 that are capable of working without modification or adjustment: — at any pressure up to 1,0 MPa (10 bar); — in permanent duty at a limit temperature of 65 °C and 90 °C for 1 h maximum. It specifies also the test methods and requirements for verifying these characteristics, the marking and the presentation at delivery.

Keel: en

Alusdokumendid: EN 13434:2021

EVS-EN 13941-1:2019+A1:2021

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design

This document specifies requirements for design, calculation and installation of factory made thermal insulated bonded single and twin pipe systems for buried hot water networks for continuous operation with treated water at various temperatures up to 120 °C and occasionally peak temperatures up to 140 °C for maximum 300 h/a, and maximum internal pressure 2,5 MPa. Flexible pipe systems according to the EN 15632 series are not under the scope of this standard. The standard EN 13941, Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks consists of two parts: a) EN 13941-1: Design; b) EN 13941-2: Installation. The requirements in this part, EN 13941-1, form a unity with those of EN 13941-2. The principles of the standard may be applied to thermal insulated pipe systems with pressures higher than 2,5 MPa, provided that special attention is paid to the effects of pressure. Adjacent pipes, not buried, but belonging to the network (e.g. pipes in ducts, valve chambers, road crossings above ground etc.) may be designed and installed according to this standard. This document presupposes the use of treated water, which by softening, demineralization, de-aeration, adding of chemicals, or otherwise has been treated to effectively prevent internal corrosion and deposits in the pipes. NOTE For further information on water qualities to be used in district heating pipe systems see also bibliographic entry. This standard is not applicable for such units as: a) pumps; b) heat exchangers; c) boilers, tanks; d) systems behind domestic substations.

Keel: en

Alusdokumendid: EN 13941-1:2019+A1:2021

Asendab dokumenti: EVS-EN 13941-1:2019

EVS-EN 13941-2:2019+A1:2021

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation

This document specifies requirements for design, calculation and installation of factory made thermal insulated bonded single and twin pipe systems for buried hot water networks for continuous operation with treated water at various temperatures up to 120 °C and occasionally peak temperatures up to 140 °C for maximum 300 h/a, and maximum internal pressure 2,5 MPa. Flexible pipe systems according to the EN 15632 series are not under the scope of this standard. The standard EN 13941, Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks consists of two parts: a) EN 13941-1: Design; b) EN 13941-2: Installation. The requirements in this part, EN 13941-2, form a unity with those of EN 13941-1. The principles of the standard may be applied to thermal insulated pipe systems with pressures higher than 2,5 MPa, provided that special attention is paid to the effects of this higher pressure. Adjacent pipes, not buried, but belonging to the network (e.g. pipes in ducts, valve chambers, road crossings above ground etc.) may be designed and installed according to this standard. This standard presupposes the use of treated water, which by softening, demineralization, de-aeration, adding of chemicals, or otherwise has been treated to effectively prevent internal corrosion and deposits in the pipes. NOTE For further information on water qualities to be used in district heating pipe systems, see bibliographic entry. This document is not applicable for such units as: a) pumps; b) heat exchangers; c) boilers, tanks; d) systems behind domestic substations.

Keel: en

Alusdokumendid: EN 13941-2:2019+A1:2021

Asendab dokumenti: EVS-EN 13941-2:2019

EVS-EN 14894:2021

LPG equipment and accessories - Cylinder and drum marking

This document specifies stamp marking requirements for transportable refillable LPG cylinders and metallic drums including: - Steel LPG cylinders designed and manufactured in accordance with EN 1442, EN 14140, EN 12807 or an equivalent standard or technical code recognized by the Competent Authority. - LPG metallic drums designed and manufactured in accordance with EN 14893 or an equivalent standard or technical code recognized by the Competent Authority. - Welded aluminium LPG cylinders designed and manufactured in accordance with EN 13110 or an equivalent standard or technical code recognized by the Competent Authority. - LPG composite cylinders designed and manufactured in accordance with EN 14427 or an equivalent standard or technical code recognized by the Competent Authority. NOTE 1 All these types of receptacles are referred to throughout this document as "cylinders". This document does not specify any requirements for product, hazard or safety-phrase labelling of packaging which can be required to meet ADR or other legislative requirements. NOTE 2 The marking of cylinders is regulated by RID/ADR which take precedence over any clause in this document. The European Directive on Transportable Pressure Equipment 2010/35/EU [8] includes additional marking requirements (π -marking). For countries that are not members of the European Union, the π marking is replaced by their relevant conformity mark.

Keel: en

Alusdokumendid: EN 14894:2021

Asendab dokumenti: EVS-EN 14894:2013

EVS-EN 16119:2021

LPG equipment and accessories - Sealing caps and plugs for LPG cylinder and pressure vessel valves - Specification and testing

This document specifies the design, testing and marking requirements for caps and plugs used to form a pressure tight seal with liquefied petroleum gas (LPG) cylinder valves and pressure vessel valves. Sealing caps and plugs provide an additional seal for self-closing and manually operated valves. Protection caps or dust caps and tamper evident seals that do not form an additional seal as part of their design are excluded from the scope of this document. Cylinder valve caps and plugs can be used with valves for liquid and vapour manufactured in accordance with EN ISO 14245 and EN ISO 15995. Pressure vessel valve caps and plugs can be used with valves for liquid and vapour manufactured in accordance with EN 13175. Occasional liquid withdrawal valve caps and plugs are excluded from the scope of this document. Reusable and single use sealing caps and

plugs are included in this document. This document does not exclude the use of other designs that provide an equivalent level of safety. NOTE The term "pressure vessel" does not include LPG tank vehicles, also called "road tankers", in CEN/TC 286 standards.

Keel: en

Alusdokumendid: EN 16119:2021

Asendab dokumenti: EVS-EN 16119:2013

EVS-EN 17527:2021

Helium cryostats - Protection against excessive pressure

This document specifies the minimum requirements for the protection of helium cryostats against excessive pressure rise, including the specific risks associated with cryostats for superconducting magnets and cryostats for superconducting radio-frequency cavities, coldboxes of helium refrigerators and liquefiers as well as helium distribution systems including valve boxes. It includes information on risk assessment, protection concepts, dimensioning of pressure relief devices, types of pressure relief devices, substance release and operation of helium cryostats. In order to fulfil the aim of this document, the characteristics of pressure relief devices are taken into account.

Keel: en

Alusdokumendid: DIN SPEC 4683; EN 17527:2021

EVS-EN IEC 60335-2-41:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Particular requirements for pumps

Endorsement of the text of the International Standard IEC 60335-2-41:2012 with the related agreed European Common Modifications.

Keel: en

Alusdokumendid: IEC 60335-2-41:2012; EN IEC 60335-2-41:2021

Asendab dokumenti: EVS-EN 60335-2-41:2003

Asendab dokumenti: EVS-EN 60335-2-41:2003/A1:2004

Asendab dokumenti: EVS-EN 60335-2-41:2003/A2:2010

EVS-EN IEC 60335-2-41:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Particular requirements for pumps

Amendment to EN IEC 60335-2-41:2021

Keel: en

Alusdokumendid: EN IEC 60335-2-41:2021/A11:2021

Muudab dokumenti: EVS-EN IEC 60335-2-41:2021

25 TOOTMISTEHNOLOOGIA

EVS-EN 50632-1:2015/A2:2021

Electric motor-operated tools - Dust measurement procedure - Part 1: General requirements

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets general requirements for all affected kinds of tools.

Keel: en

Alusdokumendid: EN 50632-1:2015/A2:2021

Muudab dokumenti: EVS-EN 50632-1:2015

EVS-EN 50632-2-11:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-11: Particular requirements for jig and sabre saws

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for jig and sabre saws.

Keel: en

Alusdokumendid: EN 50632-2-11:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-11:2016

EVS-EN 50632-2-22:2015/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-22: Particular requirements for cut-off machines and wall chasers

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for cut-off machines and wall chasers.

Keel: en

Alusdokumendid: EN 50632-2-22:2015/A1:2021

Muudab dokumenti: EVS-EN 50632-2-22:2015

EVS-EN 50632-2-3:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-3: Particular requirements for concrete grinders and disk-type sanders

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for concrete grinders and disk-type sanders.

Keel: en

Alusdokumendid: EN 50632-2-3:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-3:2016

EVS-EN 50632-2-4:2016/A1:2021

Electric motor-operated tools - Dust measurement procedure - Part 2-4: Particular requirements for sanders other than disk type

This European Standard specifies general requirements for the dust measurement of electric motor-operated tools supplied from mains or from batteries. This European Standard applies to those tools with and without dust extraction unit where dust such as mineral dust containing silica or wood dust is expected. This part of EN 50632 sets particular requirements for sanders other than disk type.

Keel: en

Alusdokumendid: EN 50632-2-4:2016/A1:2021

Muudab dokumenti: EVS-EN 50632-2-4:2016

EVS-EN 746-3:2021

Tööstuslikud termotötlusseadmed. Osa 3: Ohutusnõuded atmosfäärigaaside genereerimisel ja kasutamisel

Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases

This part of EN 746 series specifies safety requirements for generation and use of protective and reactive atmosphere gases that are part of industrial thermo-processing equipment (TPE). NOTE The general safety requirements common to TPE are provided in EN 746 1 (see Introduction). This part of EN 746 series deals with significant hazards, hazardous situations and events relevant to the generation and use of protective and reactive atmosphere gases created by thermochemical reactions and their use in TPE that are part of TPE as listed in Clause 4 and Clause 5, when used as intended and under the conditions foreseen by the manufacturer. This part of EN 746 series covers - pipework downstream of and including the manual isolating valve, - equipment for the generation of atmosphere gases, - additional equipment for the use of atmosphere gases in TPE, - safety devices, and - functional requirements for safety related control system for the generation and use of protective and reactive atmosphere gases. It applies to the supply of atmosphere gas, source gas, inert gas and process liquids to TPE and their removal from TPE, confined to equipment integrated in the TPE. This part of EN 746 series also details the anticipated significant hazards associated with atmosphere gas systems and their use in TPE and specifies the appropriate preventative measures for the reduction or elimination of these hazards. The pressure hazard of the piping and components covered by this standard is within the maximum pressure/size relationship of group I as described in Annex C. This part of EN 746 series - specifies the requirements to be met to ensure the safety of persons and property during installation, commissioning, start up, operation, shutdown and maintenance, - does not cover the relevant risks involved in the flue gas ducting system when it is not considered a part of TPE, - is not applicable to utility supply upstream of the TPE main disconnects, - does not apply to TPE for semi-conductor devices, - does not apply to TPE with atmosphere, such as air and flue gas from an over stoichiometric combustion, - does not cover the decommissioning of the TPE, - does not cover vacuum furnaces, - does not deal with the hazard of noise which is covered in EN 746-1:2019, - is not applicable to generation and use of atmosphere gas in TPE and associated plant which is manufactured before the date of its publication, and - gives the necessary requirements for the information for use. A TPE designed according to this part of EN 746 series does not create any potentially explosive atmosphere in the area around the TPE and is not designed to be located in an area with a potentially explosive or hazardous atmosphere. A table of typical protective and reactive gases is given in Annex B.

Keel: en

Alusdokumendid: EN 746-3:2021

Asendab dokumenti: EVS-EN 746-3:1999+A1:2009

EVS-EN ISO 10675-1:2021

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1: Steel, nickel, titanium and their alloys (ISO 10675-1:2021)

This document specifies acceptance levels for indications from imperfections in butt welds of steel, nickel, titanium and their alloys detected by radiographic testing. If agreed, the acceptance levels can be applied to other types of welds (such as fillet

welds, etc.) or materials. The acceptance levels can be related to welding standards, application standards, specifications or codes. This document assumes that the radiographic testing has been carried out in accordance with ISO 17636-1 for RT-F (F = film) or ISO 17636-2 for RT-S (S = radioscopia) and RT-D (D = digital detectors).

Keel: en

Alusdokumendid: ISO 10675-1:2021; EN ISO 10675-1:2021

Asendab dokumenti: EVS-EN ISO 10675-1:2016

EVS-EN ISO 10675-2:2021

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 2: Aluminium and its alloys (ISO 10675-2:2021)

This document specifies acceptance levels for indications from imperfections in aluminium butt welds detected by radiographic testing. If agreed, the acceptance levels can be applied to other types of welds (such as fillet welds etc.) or materials. The acceptance levels can be related to welding standards, application standards, specifications or codes. This document assumes that the radiographic testing has been carried out in accordance with ISO 17636-1 for RT-F (F = film) or ISO 17636-2 for RT-S (S = radioscopia) and RT-D (D = digital detectors).

Keel: en

Alusdokumendid: ISO 10675-2:2021; EN ISO 10675-2:2021

Asendab dokumenti: EVS-EN ISO 10675-2:2017

EVS-EN ISO 23864:2021

Non-destructive testing of welds - Ultrasonic testing - Use of automated total focusing technique (TFM) and related technologies (ISO 23864:2021)

This document specifies the application of the FMC/TFM technology for the ultrasonic testing of fusion-welded joints in metallic materials of minimum thickness 3.2 mm. It's applicable only to components with welds fabricated using metals which lead to isotropic (constant properties in all directions) and homogeneous conditions. These classes of materials include welds in low carbon alloy steels and common aerospace grade aluminum and titanium alloys, provided they are homogeneous and isotropic.

Keel: en

Alusdokumendid: ISO 23864:2021; EN ISO 23864:2021

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 12952-10:2021

Veetorudega katlad ja abipaigaldised. Osa 10: Nõuded kaitseadmetele kaitseks ülemäärase surve eest

Water-tube boilers and auxiliary installations - Part 10: Requirements for safety devices against excessive pressure

Selles dokumendis täpsustatakse standardis EN 12952-1:2015 määratletud nõudeid veetorukatelde ülerõhu kaitseadmetele.

Keel: en, et

Alusdokumendid: EN 12952-10:2021

Asendab dokumenti: EVS-EN 12952-10:2002

EVS-EN 12952-2:2021

Veetorudega katlad ja abipaigaldised. Osa 2: Katelde ja lisaseadmete surveosade materjalid

Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories

This European Standard specifies the requirements for the product forms for use in pressure parts of water-tube boilers and for parts welded on to pressure parts: - plates; - wrought seamless tubes; - electrically welded tubes; - submerged, plasma and TIG arc-welded tubes; - forgings; - castings; - rolled bars; - welding consumables; - fasteners; - seamless composite tubes.

Keel: en

Alusdokumendid: EN 12952-2:2021

Asendab dokumenti: EVS-EN 12952-2:2011

EVS-EN 12952-5:2021

Veetorudega katlad ja abipaigaldised. Osa 5: Katla surveosade väljatöötamisviis ja valmistamine

Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler

This European Standard specifies requirements for the workmanship and construction of water-tube boilers as defined in EN 12952-1.

Keel: en

Alusdokumendid: EN 12952-5:2021

Asendab dokumenti: EVS-EN 12952-5:2011

EVS-EN 12952-6:2021

Veetorudega katlad ja abipaigaldised. Osa 6: Inspekterimine katla survedetailide valmistamise, dokumenteerimise ja märgistamise ajal

Water-tube boilers and auxiliary installations - Part 6: Inspection during construction, documentation and marking of pressure parts of the boiler

See dokument määrab kindlaks nõuded veetorudega katelde inspekterimise kohta valmistamise ajal, dokumenteerimisele ja märgistamisele, nagu on määratletud standardis EN 12952-1:2015.

Keel: en, et

Alusdokumendid: EN 12952-6:2021

Asendab dokumenti: EVS-EN 12952-6:2011

29 ELEKTROTEHNIKA

EVS-EN 1366-11:2018+A1:2021

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

This European Standard describes the method to evaluate the performance of protective systems for electrical cable and busbar systems in order to maintain the circuit integrity under fire conditions to classify the protective system according to EN 13501-3 for the P classification. The test examines the behaviour of cable protection systems exposed to fire from outside. The tests specified in this standard are not aimed for assessing the performance of the fire protective system and the penetration seal for maintaining the requirements of the penetrated wall or ceiling (classification E / I). This method is very different to EN 50200 for the PH classification and also to IEC 60331-11, IEC 60331-21, IEC 60331-23, and IEC 60331-25, which are not designed for fire protective systems for electrical cable systems. This standard should be used in conjunction with EN 1363-1. The test results apply to fire protective systems for electrical cable systems rated for voltages up to 1 kV. The test procedure should also be used to determine the performance of protective systems for use with data and optical cables, however, verification procedures for such cables are still under development. Proposals are given in Annex C. The protective system may include ventilation devices, inspection hatches, fixed or removable lids etc. The tests specified in this standard are not aimed for assessing the performance of sprayed or painted coatings (e.g. intumescent or ablative coating, plastic film, epoxy resin) and similar protective layers (e.g. wrap, bandage) applied directly on the cables or bus bars as fire protective system. Also, cables and bus bars with intrinsic resistance to fire, and without fire protective systems around, are excluded (see CENELEC standard EN 50577). This test method is not applicable for cabinets for electrical accessory containing bus systems, relays or similar.

Keel: en

Alusdokumendid: EN 1366-11:2018+A1:2021

Asendab dokumenti: EVS-EN 1366-11:2018

EVS-EN 50171:2021

Kesksed turvatoitesüsteemid

Central safety power supply systems

This European Standard specifies the general requirements for central power supply systems for an independent energy supply to essential safety equipment. This standard covers systems that are permanently connected to AC supply voltages not exceeding 1 000 V and use batteries as an alternative power source. Central safety power supply systems are intended to ensure energy supply to emergency escape lighting in the event of normal supply failure and may be suitable for energising other essential safety equipment, for example: - electric circuits of automatic fire extinguishing installations; - paging systems and signalling safety installations; - smoke extraction equipment; - carbon monoxide warning systems; - special safety installations related to specific buildings, e.g. high-risk areas. The power supply of CPS should be dedicated only to the essential safety equipment, and not for other type of loads such as general purpose IT or industrial systems etc. Combinations of the aforementioned safety equipment types and / or non-safety equipment loads are permitted together on the same central safety power supply system providing the availability for safety equipment loads is not impaired. A fault occurring in a circuit should not cause the interruption in any other circuit used to supply safety equipment. Schematic representations of typical central safety power supply equipment are depicted in Clause 4. Power supply systems for fire alarm equipment that are covered by EN 54 (series) are excluded.

Keel: en

Alusdokumendid: EN 50171:2021

Asendab dokumenti: EVS-EN 50171:2006

EVS-EN IEC 60335-2-29:2021+A1:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele **Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers (IEC 60335-2-29:2016, modified + IEC 60335-2-29:2016/A1:2019)**

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric battery chargers for household and similar use having an output not exceeding 250 V ripple-free direct current, their rated voltage being not more than 250 V. Battery chargers intended for charging batteries in a household end use application outside the scope of the IEC 60335 series of standards are within the scope of this standard. Requirements for battery chargers for use by children at least 8 years old without supervision are given in Annex AA. Battery chargers not intended for normal household use, but which nevertheless may be a source of danger to the public, such as battery chargers intended for use in garages, shops, light industry and on farms, are within the scope of this standard. This document deals with the reasonably foreseeable hazards presented by appliances and machines that are encountered by all persons. However, in general, it does not take into account:

children playing with the appliance; • the use of the appliance by very young children; • the use of the appliance by young children without supervision. It is recognized that very vulnerable people may have needs beyond the level addressed in this standard. NOTE 101 Attention is drawn to the fact that: – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 102 This standard does not apply to: – built-in battery chargers, except those for installing in caravans and similar vehicles; – battery chargers that are part of an appliance, the battery of which is not accessible to the user; – battery chargers intended exclusively for industrial purposes; – battery chargers intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – battery chargers for emergency lighting (IEC 60598-2-22); – supply units for electronic equipment

Keel: en

Alusdokumendid: IEC 60335-2-29:2016; EN IEC 60335-2-29:2021; IEC 60335-2-29:2016/A1:2019; EN IEC 60335-2-29:2021/A1:2021

Konsolideerib dokumenti: EVS-EN IEC 60335-2-29:2021

Konsolideerib dokumenti: EVS-EN IEC 60335-2-29:2021/A1:2021

EVS-EN IEC 60445:2021

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2021)

See dokument käib elektriseadmete, nagu näiteks takistite, sulavkaitsmete, releede, kontaktorite, trafode, pöörlevate masinate ja sel määral mil rakendatav, selliste seadmete kombinatsioonide (nt koostete) klemmide tuvastamise ja märgistamise kohta, aga ka teatud kindla otstarbega juhtide otsastuste tuvastamise kohta. Selles nähakse ette ka põhireeglid teatavate värvide ja tähelis-numbriliste kombinatsioonide kasutamiseks juhtide tuvastamisel, et vältida nende segiajamist ja tagada ohutut talitlust. Need juhtide värvid ja tähelis-numbrilised kombinatsioonid on ette nähtud rakendamiseks kaabli- ja juhtmesoonel, kogumislattidel, elektriseadmetel ja kaablites või paigaldistes. See ohutuse põhipublikatsioon, mis keskendub ohutuse põhinõuetele, on eeskätt ette nähtud kasutamiseks tehnilistes komiteedes standardite koostamisel põhimõtete kohaselt, mis on esitatud juhendites IEC Guide 104 ja ISO/IEC Guide 51. Standard ei ole ette nähtud kasutamiseks tootjatele ega sertifitseerimisorganisatsioonidele. Tehniliste komiteede üks vastutusala on kasutada ohutuse põhipublikatsiooni, kui vähegi võimalik, oma publikatsioonide koostamisel. Selle ohutuse põhipublikatsiooni nõuded rakenduvad üksnes siis, kui vastavates publikatsioonides on neile viidatud või kui need neisse on lisatud.

Keel: en, et

Alusdokumendid: IEC 60445:2021; EN IEC 60445:2021

Asendab dokumenti: EVS-EN 60445:2017

EVS-EN IEC 62031:2020/A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutuspõhimõtted. Ohutuspõhimõtted. Ohutuspõhimõtted LED modules for general lighting - Safety specifications

Standardi EN IEC 62031:2020 muudatus

Keel: en, et

Alusdokumendid: EN IEC 62031:2020/A11:2021

Muudab dokumenti: EVS-EN IEC 62031:2020

EVS-EN IEC 62031:2020+A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutuspõhimõtted. Ohutuspõhimõtted. Ohutuspõhimõtted LED modules for general lighting - Safety specifications (IEC 62031:2018)

See dokument käsitleb järgmistele valgusdioodmoodulitele (leedmoodulitele) esitatavaid üld- ja ohutuspõhimõtteid: • mitteintegraalsed või poolintegraalsed leedmoodulid talitlemiseks konstantsel pingel, konstantsel voolul või konstantsel võimsusel; • integraalsed leedmoodulid talitlemiseks alalis-toitepingel kuni 250 V või vahelduv-toitepingel kuni 1000 V sagedusega 50 Hz või 60 Hz. Selle dokumendi käsitusallas vaadeldavad leedmoodulid võivad olla integreeritavad, sisseehitatud või iseseisvad. See dokument ei ole rakendatav leedlampide kohta. MÄRKUS Leedmoodulite toimivuspõhimõtted on sätestatud standardis IEC 62717. EE MÄRKUS Terminid „valgusdioodmoodul“ ja „leedmoodul“ on sünonüümid. Edaspidises eestikeelses tekstis kasutatakse ingliskeelse teksti eeskujul terminit „leedmoodul“.

Keel: en, et

Alusdokumendid: IEC 62031:2018; EN IEC 62031:2020; EN IEC 62031:2020/A11:2021

Konsolideerib dokumenti: EVS-EN IEC 62031:2020

Konsolideerib dokumenti: EVS-EN IEC 62031:2020/A11:2021

EVS-HD 60364-4-42:2011/A11:2021

Madalpingelised elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects

Standardi HD 60364-4-42:2011 muudatus

Keel: en

Alusdokumendid: HD 60364-4-42:2011/A11:2021

Muudab dokumenti: EVS-HD 60364-4-42:2011

EVS-HD 60364-4-42:2011+A1+A11:2021

Madalpingelised elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects (IEC 60364-4-42:2010, modified + IEC 60364-4-42:2010/A1:2014)

IEC 60364 see osa kehtib elektripaigaldiste kohta, milles on vaja rakendada meetmeid inimeste, koduloomade ja vara kaitseks — elektriseadmetest põhjustatud kuumustoimete, materjalide süttimise või lagunemise ja põletuste riski eest; — tuleoahu korral tekkivate leekide leviku eest elektripaigaldistest lähedal asuvatesse teistesse tuletõkkevaheseintega eraldatud ehitiseosadesse; — elektriseadmete, sealhulgas turvaseadmete toimivuse halvenemise eest. MÄRKUS 1 Kaitseks kuumustoimete eest võib rakendada rahvuslike õigusaktide nõudeid. MÄRKUS 2 Kaitse liigvoolude eest on sätestatud standardis IEC 60364-4-43. Kaablite ja nende tuletundlikkuse kohta võib neid kaitsemeetmeid väljendada viitega ehitustoodete määrusele (Construction Products Regulation, CPR) ja asjakohastele klassidele standardi EN 13501-6 kohaselt. MÄRKUS 3 Kuna ehitustoodete määru nõuab, et tootja deklareeriks kaabli vastupidavust tulele protseduuride ja liigituse kohaselt, mis on levinud kogu Euroopa Liidus, vastutavad liikmesriigid liigituse määramise eest, mida tuleb mis tahes konkreetses rakenduses või paigaldises nõuda. Rahvuslikel õigusaktidel põhinevad nõuded võivad seetõttu olla siin esitatud tasemete suhtes ülimuslikud. EE MÄRKUS Eestis on kaablite ja juhtmete tuletundlikkuse nõuded sätestatud siseministri 30.03.2017 määrusega nr 17 „Ehitisele esitatavad tuleohutusnõuded ja nõuded tuletõrje veevarustusele“ (RT I, 04.04.2017, 14).

Keel: en

Alusdokumendid: IEC 60364-4-42:2010; HD 60364-4-42:2011; IEC 60364-4-42:2010/A1:2014; HD 60364-4-42:2011/A1:2015; HD 60364-4-42:2011/A11:2021

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011/A1:2015

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011/A11:2021

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011+A1:2015

31 ELEKTROONIKA

EVS-EN IEC 61051-2:2021

Varistors for use in electronic equipment - Part 2: Sectional specification for surge suppression varistors

This part of IEC 61051 is a sectional specification and is applicable to metal oxide varistors with symmetrical voltage-current characteristics for use in electronic equipment connected to any AC or DC supply system. These varistors are designed to protect electronic and other sensitive equipment from high transient surges. Varistors under the scope of this sectional specification are not intended to give primary protection against lightning surges. These varistors have metallic connections and are intended to be mounted as through hole component or directly on to printed boards. The object of this document is to prescribe preferred ratings and characteristics and to select from IEC 61051-1 the appropriate quality assessment procedures, tests and measuring methods, and to give general performance requirements for this type of varistors. Test severities and requirements prescribed in detail specifications referring to this sectional specification should be of equal or higher performance level, because lower performance levels are not permitted.

Keel: en

Alusdokumendid: IEC 61051-2:2021; EN IEC 61051-2:2021

EVS-EN IEC 62031:2020/A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutusnõuded LED modules for general lighting - Safety specifications

Standardi EN IEC 62031:2020 muudatus

Keel: en, et

Alusdokumendid: EN IEC 62031:2020/A11:2021

Muudab dokumenti: EVS-EN IEC 62031:2020

EVS-EN IEC 62031:2020+A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutusnõuded LED modules for general lighting - Safety specifications (IEC 62031:2018)

See dokument käsitleb järgmistele valgusdiodmoodulitele (leedmoodulitele) esitatavaid üld- ja ohutusnõudeid: • mitteintegraalsed või poolintegraalsed leedmoodulid talitlemiseks konstantsel pingel, konstantsel voolul või konstantsel võimsusel; • integraalsed leedmoodulid talitlemiseks alalis-toitepingel kuni 250 V või vahelduv-toitepingel kuni 1000 V sagedusega 50 Hz või 60 Hz. Selle dokumendi käsitusallas vaadeldavad leedmoodulid võivad olla integreeritavad, sisseehitatud või iseseisvad. See dokument ei ole rakendatav leedlampide kohta. MÄRKUS Leedmoodulite toimivusnõuded on sätestatud standardis IEC 62717. EE MÄRKUS Terminid „valgusdiodmoodul“ ja „leedmoodul“ on sünonüümid. Edaspidises eestikeelses tekstis kasutatakse ingliskeelse teksti eeskujul terminit „leedmoodul“.

Keel: en, et

Alusdokumendid: IEC 62031:2018; EN IEC 62031:2020; EN IEC 62031:2020/A11:2021

Konsolideerib dokumenti: EVS-EN IEC 62031:2020

Konsolideerib dokumenti: EVS-EN IEC 62031:2020/A11:2021

EVS-EN IEC 62563-2:2021

Medical electrical equipment - Medical image display systems - Part 2: Acceptance and constancy tests for medical image displays

This part of IEC 62563 establishes the performance CRITERIA and test frequencies for the ACCEPTANCE TESTS and CONSTANCY TESTS. The evaluation methods are defined in IEC 62563-1. The scope of this document is directed to practical tests that can be visually evaluated or measured using basic test equipment. This document applies to medical IMAGE DISPLAY SYSTEMS, which can display monochrome image information in the form of greyscale values on colour and greyscale IMAGE DISPLAY SYSTEMS. This document does not apply to information displays and to displays used solely for control of technical settings of all medical information.

Keel: en

Alusdokumendid: IEC 62563-2:2021; EN IEC 62563-2:2021

33 SIDETEHNIKA

EVS-EN 301 025 V2.3.1:2021

Üldside VHF raadiotelefoniseadmed ja klassi D digitaalselektiivväljakutse (DSC) lisaseadmed; Raadiospektrile juurdepääsu ja hädaabiteenuste funktsioonide harmoneeritud standard VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC); Harmonised Standard for access to radio spectrum and for features for emergency services

The present document specifies technical characteristics and methods of measurements for VHF radiotelephone with the following characteristics: • operating in the channels and frequencies specified in the ITU Radio Regulations appendix 18 as applicable, allocated to the maritime mobile service; • using either 25 kHz or 25 kHz and 12,5 kHz channels and associated equipment for DSC - class D; • capable of operating on single frequency and two-frequency channels with manual control (simplex); • supporting dual frequency simplex operation only; • using phase modulation, G3E (frequency modulation with pre-emphasis of 6 dB/octave) for speech, and G2B for DSC signalling. Full duplex operation is not supported. The present document does not provide technical requirements for conformance with the essential requirements of Directive 2014/53/EU for any integrated GNSS receiver providing locating function. NOTE 1: Additional VHF channels for maritime use outside those defined by appendix 18 to the Radio Regulations may also be provided where permitted by administration. NOTE 2: The relationship between the present document and essential requirements of article 3.2 and article 3.3(g) of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: ETSI EN 301 025 V2.3.1

EVS-EN 303 345-2 V1.2.1:2021

Raadioringhäälingu vastuvõtjad; Osa 2. AM raadioringhäälingu vastuvõtjad; Raadiospektrile juurdepääsu harmoneeritud standard Broadcast Sound Receivers; Part 2: AM broadcast sound service; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for broadcast sound receivers with AM demodulation. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: ETSI EN 303 345-2 V1.2.1

EVS-EN 303 345-5 V1.2.1:2021

Raadioringhäälingu vastuvõtjad; Osa 5. DRM raadioringhäälingu vastuvõtjad; Raadiospektrile juurdepääsu harmoneeritud standard Broadcast Sound Receivers; Part 5: DRM broadcast sound service; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for broadcast sound receivers with DRM demodulation. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: ETSI EN 303 345-5 V1.2.1

EVS-EN IEC 62037-1:2021

Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods

This part of IEC 62037 deals with the general requirements and measuring methods for intermodulation (IM) level measurement of passive RF and microwave components, which can be caused by the presence of two or more transmitting signals. The test procedures given in this document give the general requirements and measurement methods required to characterize the level of unwanted IM signals using two transmitting signals. The IEC 62037 series addresses the measurement of PIM, but does not cover the long-term reliability of a product with reference to its performance.

Keel: en
Alusdokumendid: IEC 62037-1:2021; EN IEC 62037-1:2021
Asendab dokumenti: EVS-EN 62037-1:2012

EVS-EN IEC 62037-2:2021

Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies

This part of IEC 62037 defines a procedure to measure levels of passive intermodulation generated by a coaxial cable assembly. This test method is applicable to jumper cables, i.e. cable assemblies intended to provide interface flexibility between rigid devices. It is also used to evaluate cable assemblies that are subjected to motion in operation.

Keel: en
Alusdokumendid: IEC 62037-2:2021; EN IEC 62037-2:2021
Asendab dokumenti: EVS-EN 62037-2:2013

EVS-EN IEC 62037-3:2021

Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors

This part of IEC 62037 defines the impact test on coaxial connectors to evaluate their robustness against weak connections and particles inside the connector, as independently as possible from the effects of cable PIM (passive intermodulation). For other connectors (e.g. panel mounted connectors), the cable can be replaced by an adequate transmission-line (e.g. airline, stripline). In order to evaluate the effects of mechanical stresses on the connectors, a series of impacts is applied to the connectors while measuring the PIM.

Keel: en
Alusdokumendid: IEC 62037-3:2021; EN IEC 62037-3:2021
Asendab dokumenti: EVS-EN 62037-3:2012

EVS-EN IEC 62037-5:2021

Passive RF and microwave devices, intermodulation level measurement - Part 5: Measurement of passive intermodulation in filters

This part of IEC 62037 defines test fixtures and procedures recommended for measuring levels of passive intermodulation generated by filters, typically used in wireless communication systems. The purpose is to define qualification and acceptance test methods for filters for use in low intermodulation (low IM) applications.

Keel: en
Alusdokumendid: IEC 62037-5:2021; EN IEC 62037-5:2021
Asendab dokumenti: EVS-EN 62037-5:2013

35 INFOTEHNOLOOGIA

CEN/TR 17741:2021

Guidance for understanding and utilize EN/ISO 29481-1 Building information models - Information delivery manual - Part 1: Methodology and format

This document provides guidance on how to develop an information delivery manual (IDM) in compliance with EN ISO 29481-1 hereafter referred to as the "IDM standard". This document explains the core components and development process of the IDM methodology in non-technical terms. This document aims to help users and software vendors understand and utilize the IDM standard in defining information requirements and deliverables. The technical implementation of IDM in a data model, model view definition (MVD), is excluded from this document's scope. IDM standard introduces the MVD concept but does not specify it in detail. This document also utilizes some transaction framework concepts introduced in EN ISO 29481-2. The technical XML- and XSD-schema definitions supporting the software solutions are excluded from this document.

Keel: en
Alusdokumendid: CEN/TR 17741:2021

CEN/TS 15531-4:2021

Public transport - Service interface for real-time information relating to public transport operations - Part 4: Functional service interfaces: Facility monitoring

This document specifies an additional SIRI functional service to exchange information about changes to availability of facilities, between monitoring systems and servers containing real-time public transport vehicle or journey time data. These include the control centres of transport operators, as well as information systems that deliver passenger travel information services. As for Transmodel, public transport modes include new modes of transport (vehicle sharing, vehicle pooling, etc.). This document describes the SIRI Facility Monitoring service, one of a modular set of services for the exchange of Real-time information. The Facility Monitoring service (SIRI-FM) is concerned with the exchange of information about alterations to the availability of facilities for passengers among systems, including equipment monitoring, real-time management and dissemination systems.

Keel: en
Alusdokumendid: CEN/TS 15531-4:2021
Asendab dokumenti: CEN/TS 15531-4:2011

CLC/TS 50600-5-1:2021

Information technology - Data centre facilities and infrastructures - Part 5-1: Maturity Model for Energy Management and Environmental Sustainability

This document provides a maturity model addressing the environmental impact (energy management and environmental sustainability) of the facilities, infrastructures and the information and communication technology (ICT) equipment accommodated by the data centre. NOTE The term "environmental sustainability" is used recognizing that well established treatments of "sustainability" feature three separate viability objectives (environmental, economic and social). For the purposes of this document, only elements of environmental viability are considered. The elements addressed include design, procurement, operation and end-of-life. The achievement of the Levels of the maturity model are based upon confirmation of the implementation of applicable practices of CLC/TR 50600-99-1 and CLC/TR 50600-99-2.

Keel: en

Alusdokumendid: CLC/TS 50600-5-1:2021

EVS-EN 17478:2021

Transport Services - Customer communications for passenger transport services - A Universal Design approach

This document specifies requirements and recommendations for the planning, design, development and provision of user communications related to passenger transport so that these communications can be accessed, understood and used by the widest range of users, including persons with disabilities and older persons. These requirements and recommendations enable an organization to extend its range of users by identifying diverse characteristics, capabilities, and preferences. The requirements specified in this standard are applicable to but not limited to passenger transport service providers including air-, bus, rail-, and waterborne passenger transport services.

Keel: en

Alusdokumendid: I.S.373; EN 17478:2021

45 RAUDTEETEHNIKA

EVS-EN 14067-5:2021

Raudteelased rakendused. Aerodünaamika. Osa 5: Nõuded aerodünaamikale tunnelites ning selle katsetamise protseduurid

Railway applications - Aerodynamics - Part 5: Requirements and assessment procedures for aerodynamics in tunnels

This document establishes aerodynamic requirements, test procedures, assessment methods and acceptance criteria for operating rolling stock in tunnels. Aerodynamic pressure variations, loads, micro pressure wave generation and further aerodynamic aspects to be expected in tunnel operation are addressed in this document. Requirements for the aerodynamic design of rolling stock and tunnels of the heavy rail system are provided. The requirements apply to heavy rail systems only.

Keel: en

Alusdokumendid: EN 14067-5:2021

Asendab dokumenti: EVS-EN 14067-5:2006+A1:2010

EVS-EN 14752:2019+A1:2021

Raudteelased rakendused. Veeremi külgmised sissepääsusüsteemid

Railway applications - Bodyside entrance systems for rolling stock

This document applies to passenger body side entrance systems of all newly designed railway vehicles such as tram, metro, suburban, mainline and high-speed trains that carry passengers. The requirements of this document also apply to existing vehicles undergoing refurbishment of the door equipment, as far as it is reasonably practicable. This document also specifies the requirements for testing of entrance systems. This document makes reference to manual and power operated entrance systems. For manual doors, clauses referring to power operation are not applicable. This document does not apply to the following: - entrance systems for equipment access, inspection or maintenance purposes and for crew only use; - doors on freight wagons; and - doors or hatches specifically provided for escape under emergency conditions.

Keel: en

Alusdokumendid: EN 14752:2019+A1:2021

Asendab dokumenti: EVS-EN 14752:2019

EVS-EN 15734-1:2010+A1:2021

Raudteelased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 1: Nõuded ja definitsioonid

Railway applications - Braking systems of high speed trains - Part 1: Requirements and definitions

This European Standard describes the functionality, constraints, performance and operation of a brake system for use in high speed trains as described in the TSI High Speed Rolling Stock, operating on routes of the European railways and their infrastructure systems. The brake system requirements specified in this European Standard apply to trains that may operate at a maximum speed of up to 350 km/h on lines specifically built for high speed and define graduated values for deceleration related to four speed ranges (see Clause 6). This European Standard covers: - all new vehicle designs of high speed trains; - all major overhauls of the above-mentioned vehicles if they involve redesigning or extensive alteration to the brake system of the

vehicle concerned. This European Standard does not cover locomotive hauled trains, which are specified by EN 14198. NOTE This document applies the functional subdivision into subsystems as specified in the TSI High speed. The braking system is part of the function: "Accelerate, maintain speed, brake and stop".

Keel: en

Alusdokumendid: EN 15734-1:2010+A1:2021

Asendab dokumenti: EVS-EN 15734-1:2010

Asendab dokumenti: EVS-EN 15734-1:2010/AC:2013

EVS-EN 15734-2:2010+A1:2021

Raudteelased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 2: Katsemeetodid Railway applications - Braking systems of high speed trains - Part 2: Test methods

This European Standard specifies test methods and acceptance criteria for a brake system for use in high speed trains as described in the TSI Rolling Stock, operating on routes of the trans-European high-speed rail system. The tests defined in this document have the purpose of verifying that the braking performance and functions of the train's brake system comply at least with the respective requirements of EN 15734-1. This European Standard is applicable to: - new vehicles of high speed trains; - new constructions of existing vehicle types; - major overhauls of the above-mentioned vehicles if they involve redesigning or extensive alteration to the brake system of the vehicle concerned. The functional testing requirements set out in this document assume the vehicles are fitted with a brake system architecture that follows the UIC air brake pipe control principles. High Speed Rolling Stock can be fitted with alternative brake system architectures that do not employ brake pipe control. In these cases equivalent testing requirements will need to be generated to test the functional performance of brake system fitted.

Keel: en

Alusdokumendid: EN 15734-2:2010+A1:2021

Asendab dokumenti: EVS-EN 15734-2:2010

Asendab dokumenti: EVS-EN 15734-2:2010/AC:2012

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 15609:2021

Vedelgaasi seadmed ja lisavarustus. Vedelgaasi käitamissüsteemid paatidele, jahtidele ja muudele veesõidukitele. Paigaldusnõuded LPG equipment and accessories - LPG propulsion systems for boats, yachts and other watercraft - Installation requirements

This document specifies the installation requirements for LPG propulsion systems on watercraft with hull lengths less than or equal to 24 m, as defined in EN ISO 8666 [11]. This document does not cover appliances with directly attached gas cylinders, such as portable self-contained camping stoves and portable gas lamps.

Keel: en

Alusdokumendid: EN 15609:2021

Asendab dokumenti: EVS-EN 15609:2012

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 16602-30-11:2021

Space product assurance - Derating - EEE components

This Standard applies to all parties involved at all levels in the realization of space segment hardware and its interfaces. The objective of this Standard is to provide customers with a guaranteed performance and reliability up to the equipment end-of-life. To this end, the following are specified: - Load ratios or limits to reduce stress applied to components; - Application rules and recommendations.

Keel: en

Alusdokumendid: EN 16602-30-11:2021

Asendab dokumenti: EVS-EN 16602-30-11:2014

EVS-EN 16602-70-80:2021

Space product assurance - Processing and quality assurance requirements for metallic powder bed fusion technologies for space applications

The scope includes metallic Powder Bed Fusion technologies for space applications. A clear definition and implementation of quality monitoring and control means is mandatory and shall address the full end to end metallic PBF process, encompassing: - Design / Simulation - Materials management (Powder, shielding gases, other consumables, recycling, etc.) - Processing - Post Processing - Testing By developing a single standard which can be tailored in the Project definition phase, it will help the Space Industry in performing the following functions related to metallic PBF technologies over the full end to end process: (i) select and qualify metallic PBF processes for the appropriate application, (ii) select and validate raw materials for the appropriate applications, (iii) define monitoring and control means during production to ensure that metallic PBF parts are produced with the required quality, (iv) define requirements for applying Non-Destructive Inspection methods for the different metallic PBF parts, (v) define requirements to verify/qualify space parts produced by metallic PBF processes for the selected applications and associated environment, (vi) define specific requirements for operators/inspectors/instructors certification, (vii) define requirements for metallic PBF machines certification, (viii) define requirements for metallic PBF Companies certification. The Standard will be complemented with informative Annexes, listing guidelines and best practices on specific technical aspects.

Keel: en
Alusdokumendid: EN 16602-70-80:2021

EVS-EN 16603-32-01:2021

Space engineering - Fracture control

This ECSS Engineering Standard specifies the fracture control requirements to be imposed on space segments of space systems and their related GSE. The fracture control programme is applicable for space systems and related GSE when required by ECSS-Q-ST-40 or by the NASA document NST 1700.7, incl. ISS addendum. The requirements contained in this Standard, when implemented, also satisfy the fracture control requirements applicable to the NASA STS and ISS as specified in the NASA document NSTS 1700.7 (incl. the ISS Addendum). The NASA nomenclature differs in some cases from that used by ECSS. When STS/ISS-specific requirements and nomenclature are included, they are identified as such. This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Keel: en
Alusdokumendid: EN 16603-32-01:2021
Asendab dokumenti: EVS-EN 16603-32-01:2014

EVS-EN 16603-50-16:2021

Space engineering - Time triggered Ethernet

Using standard communication protocols for spacecraft communication links can provide interface compatibility between communication devices and components. Thus, it can improve the design and development process as well as integration and test activities at all levels and provide the potential of reusability across projects. The aim of this space engineering standard is to define the interface services and to specify their corresponding network protocol elements for spacecraft using the Time-Triggered Ethernet data network. It also aims at defining requirements for the harmonisation of the physical interfaces and usage of the [IEEE 802.3] and [SAE AS6802] layer features. This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Keel: en
Alusdokumendid: EN 16603-50-16:2021

EVS-EN 2854-002:2021

Aerospace series - Cables, electrical for general purpose - Operating temperatures between -55 °C and 260 °C - Part 002: General

This document specifies the list of product standards and common characteristics of electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between -55 °C and 260 °C (except otherwise specified in product document).

Keel: en
Alusdokumendid: EN 2854-002:2021
Asendab dokumenti: EVS-EN 2854-002:2009

EVS-EN 4179:2021

Aerospace series - Qualification and approval of personnel for non-destructive testing

1.1 Purpose This document establishes the minimum requirements for the qualification and certification of personnel performing non-destructive testing (NDT), non-destructive inspection (NDI), or non-destructive evaluation (NDE) in the aerospace manufacturing, service, maintenance and overhaul industries. For the purposes of this document, the term NDT will be used and will be considered equivalent to NDI and NDE. In Europe, the term "approval" is used to denote a written statement by an employer that an individual meets specific requirements and has operating approval. The term "certification" as defined in 3.2 is used throughout this document as a substitute for the term "approval". Except when otherwise specified in the written practice, certification in accordance with this document includes operating approval. 1.2 Applicability 1.2.1 General This document applies to personnel using NDT methods to test and/or accept materials, products, components, assemblies or sub-assemblies. This document also applies to personnel: directly responsible for the technical adequacy of the NDT methods used, who approve NDT procedures and/or work instructions, who audit NDT facilities, or who provide technical NDT support or training. This document does not apply to individuals who only have administrative or supervisory authority over NDT personnel or to research personnel developing NDT technology for subsequent implementation and approval by a certified Level 3. Personnel performing specialized inspections using certain direct readout instruments as determined by a Level 3 person certified in the test method, do not require qualification or certification to this document. 1.2.2 Implementation This document addresses the use of a National Aerospace NDT Board (NANDTB). NANDTBs are only used as specified according to Annex C and it is not mandatory to have such a board for compliance with this document. Personnel certified to previous revisions of NAS 410 or EN 4179 need not recertify to the requirements of this document until their current certification expires. 1.3 Test Methods 1.3.1 Common test methods This document contains detailed requirements for the following common NDT methods: Eddy Current Testing (ET) Magnetic Particle Testing (MT) Penetrant Testing (PT) Radiographic Testing (RT) Thermographic Testing (TT) Ultrasonic Testing (UT) 1.3.2 Other test methods When invoked by engineering, quality, cognizant engineering organization or prime contractor requirements, this document applies to other current and emerging NDT methods used to determine the acceptability or suitability for intended service of a material, part, component, assembly or sub-assembly. Such test methods can include, but are not limited to, acoustic emission testing (AT), neutron radiography, leak testing, holography, and shearography. The requirements for personnel training, experience, and examination for these other test methods are established in accordance with 6.4 and are documented by the employer.

Keel: en
Alusdokumendid: EN 4179:2021
Asendab dokumenti: EVS-EN 4179:2017

EVS-EN 9721:2021

Aerospace series - General recommendation for the BIT Architecture in an integrated system

The purpose of this document is to harmonise the dialogue between manufacturers, prime contractors, owners and the customer in view of making it easier to draw up specifications, share BIT architecture models and the BIT technical configuration of systems during the operational use phase. This recommendation proposes adopting BIT operational efficiency and performance definitions, architecture design principles, and BIT specification or validation principles. It provides no recommendations regarding the numeric values for operational efficiency or performance. The diversity of situations, development of technological solutions and ever-changing operational requirements make it impossible to list general recommendations. Clause 6 and Clause 9 set out the general context of use of the BIT. Clause 7 lists the constraints to be taken into account to design a BIT architecture. Clause 8 lists the various BIT types currently known and the definitions of performance and operational efficiency (metrics). Clause 10 provides recommendations on the BIT architecture. Clause 11 recommends a language for exchanging BIT architecture models for assembling the complete model of a system. Clause 12 is an introduction to the prognosis. This European standard is mainly intended for system designers. Although it is based on examples of aeronautic systems, it is applicable to any type of system.

Keel: en

Alusdokumendid: EN 9721:2021

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 16517:2021

Põllumajandus- ja metsatöomasinad. Mobiilsed vintsid palgiveoks. Ohutus Agricultural and forestry machinery - Mobile yarders for timber logging - Safety

This document gives safety requirements, and the means of verification, for the design and construction of mobile yarders for logging of forest products and their mounting. It counts for all logging operations with cable yarders both in sloped and flat terrain. In addition, it specifies the type of information on safe working practices (including residual risks) meant to be provided by the manufacturer. It deals with the significant hazards (as listed in Table 1), hazardous situations and events relevant to mobile yarders used as intended and under the conditions of misuse foreseeable by the manufacturer (see Clauses 4 and 5). Emission of noise (with regard to airborne noise) is not covered by this document. It is not applicable to: - rope splicing; - ancillary loaders or cable cranes; - cableways for material transport (other than wood); and - skidder winches (skidding). The specifications of cabin in this context are only relevant for the yarder or a yarder-loader combination. The cabin and the chassis of the vehicle (prime mover), to which the yarder is mounted are not part of this document. This document is not applicable to mobile yarders manufactured before the date of its publication.

Keel: en

Alusdokumendid: EN 16517:2021

65 PÕLLUMAJANDUS

EVS-EN 17550:2021

Animal feeding stuffs: Methods of sampling and analysis - Determination of carotenoids in animal compound feed and premixtures by high performance liquid chromatography - UV detection (HPLC-UV)

This analytical procedure specifies a reverse phase high performance liquid chromatographic with UV detection (RP-HPLC-UV) method for the simultaneous determination of four authorized carotenoids in fish compound feed and fish premix, namely astaxanthin (AXN), canthaxanthin (CXN), adonirubin (ADR) and astaxanthin dimethylsuccinate (AXN DMDS), and of six authorized carotenoids in poultry feed and poultry premix, namely canthaxanthin (CXN); capsanthin (CSN), ethyl ester of beta-apo-8'-carotenoic acid (BACARE), citranaxanthin (CIXN), lutein (LUT) and zeaxanthin (ZEA) at levels ranging from approximately 2 mg/kg to approximately 4 500 mg/kg (depending on the carotenoid). Beta-carotene (BCAR), authorized in compound feed and premixtures for all animal species, was also added to the scope. The analytical procedure is fit for the purpose of quantitation of declared carotenoids and labelling confirmation. This document is applicable to feed produced using natural and synthetic feed additives. Xanthophyll esters like those of lutein, zeaxanthin and capsanthin that might be present in feed materials are not authorized feed additives and therefore not part of the scope of this document.

Keel: en

Alusdokumendid: EN 17550:2021

EVS-EN ISO 20714:2021

E-liquid - Determination of nicotine, propylene glycol and glycerol in liquids used in electronic nicotine delivery devices - Gas chromatographic method (ISO 20714:2019)

This document specifies an analytical method to quantify the nicotine, propylene glycol and glycerol content in e-liquids by gas chromatography.

Keel: en

Alusdokumendid: ISO 20714:2019; EN ISO 20714:2021

EVS-EN ISO 20768:2021

Vapour products - Routine analytical vaping machine - Definitions and standard conditions (ISO 20768:2018)

This document: — defines the parameters and specifies the standard conditions for a vaping machine for vapour products (as defined in 3.1); — specifies technical requirements for the machine for routine analytical vaping, conforming with the standard conditions stated within Clause 4; — does not specify the vapour product, the vapour product operation or the liquid to be used; — does not specify the means for aerosol trapping, subsequent sample preparation or analyses of components in the trapped aerosol.

Keel: en

Alusdokumendid: ISO 20768:2018; EN ISO 20768:2021

EVS-EN ISO 22867:2021

Metsa- ja aiatöö masinad. Käeskantavate sisepõlemismootoriga masinate vibratsioonikatsete eeskirjad. Käepidemete vibratsiooni mõõtmine

Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2021)

This document specifies a vibration test code for determining, efficiently and under standardized conditions, the magnitude of vibration at the handles of portable hand-held, internal-combustion-engine-powered forest and garden machinery, including chain-saws, brush-cutters, grass-trimmers, edgers, pole-mounted powered pruners, hedge-trimmers and garden-blowers. Although the magnitudes measured are obtained in an artificial operation, they nevertheless give an indication of the values to be found in a real work situation. Vibration test codes, as described in this document, enable the manufacturer to verify the effort regarding low vibration design.

Keel: en

Alusdokumendid: ISO 22867:2021; EN ISO 22867:2021

Asendab dokumenti: EVS-EN ISO 22867:2011

EVS-EN ISO 4254-1:2015/A1:2021

Põllumajandusmasinad. Ohutus. Osa 1: Üldnõuded

Agricultural machinery - Safety - Part 1: General requirements - Amendment 1 (ISO 4254-1:2013/Amd 1:2021)

Muudatus standardile EN ISO 4254-1:2015

Keel: en

Alusdokumendid: ISO 4254-1:2013/Amd 1:2021; EN ISO 4254-1:2015/A1:2021

Muudab dokumenti: EVS-EN ISO 4254-1:2015

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 12873-2:2021

Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for non-metallic and noncementitious site-applied materials

This document specifies a procedure to determine the migration of substances from non-metallic and non-cementitious site-applied materials for use in contact with water intended for human consumption. It is applicable to site-applied materials intended to be used under various conditions for the transport and storage of water intended for human consumption, including raw water used for the production of water intended for human consumption. It covers the extraction by water of substances from these materials after their application on site. The document is applicable to materials whose physical or chemical properties alter during or after on-site application, such as coatings, paints, and adhesives. In addition, some site-applied materials that do not change in such a manner, e.g. greases or lubricants, are also included.

Keel: en

Alusdokumendid: EN 12873-2:2021

Asendab dokumenti: EVS-EN 12873-2:2005

EVS-EN ISO 18363-1:2021

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 1: Method using fast alkaline transesterification and measurement for 3-MCPD and differential measurement for glycidol (ISO 18363-1:2015)

This part of ISO 18363 describes a procedure for the indirect determination of 3-MCPD esters (bound 3-MCPD) and possible free 3-MCPD after alkaline catalysed ester cleavage and derivatization with phenylboronic acid (PBA). Furthermore, this part of ISO 18363 enables the indirect determination of glycidyl esters (bound glycidol) under the assumption that no other substances are present that react at room temperature with inorganic chloride to generate 3-MCPD. This part of ISO 18363 is applicable to solid and liquid fats and oils. Milk and milk products (or fat coming from milk and milk products) are excluded from the scope of this part of ISO 18363.

Keel: en

Alusdokumendid: ISO 18363-1:2015; EN ISO 18363-1:2021

EVS-EN ISO 18363-3:2021

Animal and vegetable fats and oils - Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS - Part 3: Method using acid transesterification and measurement for 2-MCPD, 3-MCPD and glycidol (ISO 18363-3:2017)

This document specifies a procedure for the simultaneous determination of 2-MCPD esters (bound 2-MCPD), 3-MCPD esters (bound 3-MCPD) and glycidyl esters (bound glycidol) in a single assay, based on acid catalysed ester cleavage and derivatization of cleaved (free) analytes with phenylboronic acid (PBA) prior to GC/MS analysis. This document is applicable to solid and liquid fats and oils. For all three analytes the limit of quantification (LOQ) is 0,1 mg/kg and the limit of detection (LOD) is 0,03 mg/kg.

Keel: en

Alusdokumendid: ISO 18363-3:2017; EN ISO 18363-3:2021

EVS-EN ISO 24223:2021

Cheese - Guidance on sample preparation for physical and chemical testing (ISO 24223:2021)

The delivered ISO International Standard gives guidelines for the preparation of cheese samples for physical and chemical testing.

Keel: en

Alusdokumendid: ISO 24223:2021; EN ISO 24223:2021

71 KEEMILINE TEHNOLOOGIA

CEN ISO/TS 23973:2021

Liquid chromatography at critical conditions (LCCC) - Chemical heterogeneity of polyethylene oxides (ISO/TS 23973:2020)

This document establishes a valid method for separation of chemically heterogeneous polyethylene oxide (PEO) mixtures and for the determination the number and content of the chemically heterogeneous species in the overall sample. The method presented in this document serves as a technical guideline and enables laboratories to learn the principle of "critical chromatography" on a validated system. This method presented in this document with its stated system parameters is not applicable for other polymer classes, due to the diversity of the interactions between the polymer/mobile phase/stationary phase and the number of separation systems that are therefore available. The evaluation of the interlaboratory testing has shown that many error sources relate to the technique of liquid chromatography in general. Possible error sources are described in Annex A. Details on the evaluation of the interlaboratory testing are given in Annex B. Elugrams of the participants (excerpts) are given in Annex C. Investigations of the long-term stability of the test mixture are given in Annex D.

Keel: en

Alusdokumendid: ISO/TS 23973:2020; CEN ISO/TS 23973:2021

EVS-EN 17550:2021

Animal feeding stuffs: Methods of sampling and analysis - Determination of carotenoids in animal compound feed and premixtures by high performance liquid chromatography - UV detection (HPLC-UV)

This analytical procedure specifies a reverse phase high performance liquid chromatographic with UV detection (RP-HPLC-UV) method for the simultaneous determination of four authorized carotenoids in fish compound feed and fish premix, namely astaxanthin (AXN), canthaxanthin (CXN), adonirubin (ADR) and astaxanthin dimethyldisuccinate (AXN DMDS), and of six authorized carotenoids in poultry feed and poultry premix, namely canthaxanthin (CXN); capsanthin (CSN), ethyl ester of beta-apo-8'-carotenoic acid (BACARE), citranaxanthin (CIXN), lutein (LUT) and zeaxanthin (ZEA) at levels ranging from approximately 2 mg/kg to approximately 4 500 mg/kg (depending on the carotenoid). Beta-carotene (BCAR), authorized in compound feed and premixes for all animal species, was also added to the scope. The analytical procedure is fit for the purpose of quantitation of declared carotenoids and labelling confirmation. This document is applicable to feed produced using natural and synthetic feed additives. Xanthophyll esters like those of lutein, zeaxanthin and capsanthin that might be present in feed materials are not authorized feed additives and therefore not part of the scope of this document.

Keel: en

Alusdokumendid: EN 17550:2021

EVS-EN 17616:2021

Outdoor candles - Specification for fire safety

This document specifies requirements and test methods for the fire safety of candles intended to be burned outdoors. Sticks wrapped with fuel-soaked materials, such as paper, cardboard or fabric, oil lamps on a stick and products intended to be used professionally to protect vineyards or fruit orchards from frost damages are not covered by this document.

Keel: en

Alusdokumendid: EN 17616:2021

EVS-EN 17617:2021

Outdoor candles - Product safety labels

This document specifies safety information for burning outdoor candles and includes requirements on how safety information will be displayed. Sticks wrapped with fuel-soaked materials, such as paper, cardboard or fabric, as well as oil lamps on a stick and products intended to be used professionally to protect vineyards or fruit orchards from frost damages are not covered by this document.

Keel: en

Alusdokumendid: EN 17617:2021

EVS-EN ISO 16217:2021

Cosmetics - Sun protection test methods - Water immersion procedure for determining water resistance (ISO 16217:2020)

This document specifies a procedure of water immersion for the in vivo determination of the water resistance of sunscreen products. This document is applicable to products intended to be placed in contact with human skin including any component able to absorb, reflect or scatter UV rays and which, in addition, are designed to be less readily removed from the skin by water and/or during water immersion. It is intended to be read in conjunction with ISO 24444.

Keel: en

Alusdokumendid: ISO 16217:2020; EN ISO 16217:2021

EVS-EN ISO 18861:2021

Cosmetics - Sun protection test methods - Percentage of water resistance (ISO 18861:2020)

This document specifies a procedure for evaluating the water resistance retention percentage, by comparing the sun protection factor (SPF) before water immersion (hereafter referred to as the "static" SPF) and after a fixed period of water immersion (hereafter referred to as the "wet" SPF).

Keel: en

Alusdokumendid: ISO 18861:2020; EN ISO 18861:2021

EVS-EN ISO 24443:2021

Cosmetics - Determination of sunscreen UVA photoprotection in vitro (ISO 24443:2021)

This document specifies an in vitro procedure to characterize the UVA protection of sunscreen products. Specifications are given to enable determination of the spectral absorbance characteristics of UVA protection in a reproducible manner. In order to determine relevant UVA protection parameters, the method has been created to provide an UV spectral absorbance curve from which a number of calculations and evaluations can be undertaken. These include calculation of the Ultraviolet-A protection factor (UVA-PF) [correlating with in vivo UVA-PF from the persistent pigment darkening (PPD) testing procedure], critical wavelength and UVA absorbance proportionality. These computations are optional and relate to local sunscreen product labelling requirements. This method relies on the use of static in vivo SPF results for scaling the UV absorbance curve. This document is not applicable to powder products such as pressed powder and loose powder products.

Keel: en

Alusdokumendid: ISO 24443:2021; EN ISO 24443:2021

Asendab dokumenti: EVS-EN ISO 24443:2012

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 35102:2021

Petroleum and natural gas industries - Arctic operations - Escape, evacuation and rescue from offshore installations (ISO 35102:2020)

This document establishes the principles, specifies the requirements and provides guidance for the development and implementation of an escape, evacuation and rescue (EER) plan. It is applicable to offshore installation design, construction, transportation, installation, offshore production/exploration drilling operation service life inspection/repair, decommissioning and removal activities related to petroleum and natural gas industries in the arctic and cold regions. Reference to arctic and cold regions in this document is deemed to include both the Arctic and other locations characterized by low ambient temperatures and the presence or possibility of sea ice, icebergs, icing conditions, persistent snow cover and/or permafrost. This document contains requirements for the design, operation, maintenance, and service-life inspection or repair of new installations and structures, and to modification of existing installations for operation in the offshore Arctic and cold regions, where ice can be present for at least a portion of the year. This includes offshore exploration, production and accommodation units utilized for such activities. To a limited extent, this document also addresses the vessels that support ER, if part of the overall EER plan. While this document does not apply specifically to mobile offshore drilling units (MODUs, see ISO 19905-1) many of the EER provisions contained herein are applicable to the assessment of such units in situations when the MODU is operated in arctic and cold regions. The provisions of this document are intended to be used by stakeholders including designers, operators and duty holders. In some cases, floating platforms (as a type of offshore installations) can be classified as vessels (ships) by national law and the EER for these units are stipulated by international maritime law. However, many of the EER provisions contained in this document are applicable to such floating platforms. This document applies to mechanical, process and electrical equipment or any specialized process equipment associated with offshore arctic and cold region operations that impacts the performance of the EER system. This includes periodic training and drills, EER system maintenance and precautionary down-manning as well as emergency situations. EER associated with onshore arctic oil and gas facilities are not addressed in this document, except where relevant to an offshore development.

Keel: en

Alusdokumendid: ISO 35102:2020; EN ISO 35102:2021

77 METALLURGIA

EVS-EN 10264-2:2021

Steel wire and wire products - Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications

This part of EN 10264 defines cold drawn non alloy steel wire used for the manufacture of: - ropes for general applications and lifts; - ropes for applications for which there is no specific European Standard. This part of EN 10264 does not apply to steel wire taken from manufactured ropes. This part of EN 10264 specifies the following for cold drawn non alloy steel wire for ropes for general applications: - dimensional tolerances; - mechanical characteristics; - requirements relating to the chemical composition of the steel wire; - conditions to be satisfied by any coating. In addition to the requirements of this part of EN 10264, the requirements of EN 10264-1 also apply.

Keel: en

Alusdokumendid: EN 10264-2:2021

Asendab dokumenti: EVS-EN 10264-2:2012

EVS-EN 13411-4:2021

Terminations for steel wire ropes - Safety - Part 4: Metal and resin socketing

This document specifies the minimum requirements for the molten metal and resin socketing of steel wire ropes within the scopes of EN 12385-4:2002+A1:2008; EN 12385-5:2021; EN 12385-6:2004; EN 12385-7:2002; EN 12385-8:2002; EN 12385-9:2002 and EN 12385-10:2003+A1:2008. The document is applicable only to those requirements that ensure that the socketing is strong enough to withstand a force of at least 100 % of the minimum breaking force of the rope (i.e. socket termination efficiency factor $KT = 1,0$). NOTE Rope terminations made by socketing in accordance with this document can be used for determining the breaking force of wire ropes in accordance with EN 12385-1:2002+A1:2008, Annex A. Socketing by the methods and materials described in this standard are for use within the temperature limits given in normative Annex E. This document deals with all significant hazards, hazardous situations and events relevant to metal and resin socket terminations, when they are used as intended and under conditions of misuse which are reasonably foreseeable (see Clause 4).

Keel: en

Alusdokumendid: EN 13411-4:2021

Asendab dokumenti: EVS-EN 13411-4:2011

EVS-EN ISO 2566-1:2021

Steel - Conversion of elongation values - Part 1: Carbon and low-alloy steels (ISO 2566-1:2021)

This document specifies a method of converting room temperature percentage elongations after fracture obtained on various proportional and non-proportional gauge lengths to other gauge lengths. Formula (1), on which conversions are based, is considered to be reliable when applied to carbon, carbon manganese, molybdenum and chromium molybdenum steels within the tensile strength range 300 N/mm² to 700 N/mm² and in the hot-rolled, hot-rolled and normalized or annealed conditions, with or without tempering. These conversions are not applicable to: a) cold reduced steels; b) quenched and tempered steels; c) austenitic steels. These conversions are not applicable when the gauge length exceeds or where the width to thickness ratio of the test piece exceeds 20.

Keel: en

Alusdokumendid: ISO 2566-1:2021; EN ISO 2566-1:2021

Asendab dokumenti: EVS-EN ISO 2566-1:2000

EVS-EN ISO 2566-2:2021

Steel - Conversion of elongation values - Part 2: Austenitic steels (ISO 2566-2:2021)

This document specifies a method of converting room temperature percentage elongations after fracture obtained on various proportional and non-proportional gauge lengths to other gauge lengths. Formula (1), on which conversions are based, is considered to be reliable when applied to austenitic stainless steels within the tensile strength range 450 to 750 N/mm² and in the solution treated condition. These conversions are not applicable to: a) cold reduced steels; b) quenched and tempered steels; c) non-austenitic steels. These conversions are not applicable when the gauge length exceeds or where the width to thickness ratio of the test piece exceeds 20.

Keel: en

Alusdokumendid: ISO 2566-2:2021; EN ISO 2566-2:2021

Asendab dokumenti: EVS-EN ISO 2566-2:2000

79 PUIDUTEHNOLOOGIA

EVS-EN ISO 19085-3:2021

Puidutöötlemismasinaid. Ohutus. Osa 3: Arvjuhtimisega (NC/CNC) puurid ja profiilreesid Woodworking machines - Safety - Part 3: Numerically controlled (NC/CNC) boring and routing machines (ISO 19085-3:2021)

This document gives the safety requirements and measures for numerically controlled (NC/CNC) boring machines, NC/CNC routing machines and NC/CNC boring and routing machines (as defined in 3.2, 3.3 and 3.4), capable of continuous production use, hereinafter referred to as "machines". This document deals with all significant hazards, hazardous situations and events, listed in Annex A, relevant to the machines when they are operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account. This document is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: -additional working units for sawing, sanding, assembling or dowel inserting; -fixed or movable workpiece support; -mechanical, pneumatic, hydraulic or vacuum workpiece clamping; -automatic tool change devices. It is also applicable to machines fitted with edge-banding equipment, even if the relevant specific hazards have not been dealt with. NOTE For the risk assessment needed for the edge-banding equipment, ISO 19085-17 can be useful. Machines covered in this document are designed for workpieces consisting of: -solid wood; -material with similar physical characteristics to wood (see ISO 19085-1:2021, 3.2); -gypsum boards, gypsum

bounded fibreboards, cardboard; -matrix engineered mineral boards, silicate boards; -composite materials with core consisting of polyurethane or mineral material laminated with light alloy; -polymer-matrix composite materials and reinforced thermoplastic/thermoset/elastomeric materials; -aluminium light alloy profiles; -aluminium light alloy plates with a maximum thickness of 10 mm; -composite boards made from the materials listed above. This document does not deal with specific hazards related to: -use of grinding wheels; -ejection through openings guarded by curtains on machines where the height of the opening in the enclosure above the workpiece support exceeds 700 mm; -ejection due to failure of milling tools with a cutting circle diameter equal to or greater than 16 mm and sawing tools not conforming to EN 847-1:2017 and EN 847-2:2017; -the combination of a single machine being used with other machines (as a part of a line); -integrated workpiece loading/unloading systems (e.g. robots). This document is not applicable to: -single spindle hand fed or integrated fed routing machines; -machines intended for use in potentially explosive atmosphere; -machines manufactured prior to its publication.

Keel: en

Alusdokumendid: ISO 19085-3:2021; EN ISO 19085-3:2021

Asendab dokumenti: EVS-EN ISO 19085-3:2017

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-4:2021

Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2021)

This document specifies the test conditions for the determination of the tensile properties of isotropic and orthotropic fibre-reinforced plastic composites, based upon the general principles given in ISO 527-1. NOTE 1 Unidirectional reinforced materials are covered by ISO 527-5. The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus, Poisson's ratios and other aspects of the tensile stress-strain relationship under the defined conditions. The test method is suitable for use with the following materials: -fibre-reinforced thermosetting and thermoplastic composites incorporating non-unidirectional reinforcements such as mats, woven fabrics, woven rovings, chopped strands, combinations of such reinforcements, hybrids, rovings, short or milled fibres or prepregged materials (prepregs); NOTE 2 Injection moulded specimens are covered by ISO 527-2. -combinations of the above with unidirectional reinforcements and multidirectional reinforced materials constructed from unidirectional layers, provided such laminates are symmetrical; NOTE 3 Materials with completely or mainly unidirectional reinforcements are covered by ISO 527-5. -finished products made from materials mentioned above. The reinforcement fibres covered include glass fibres, carbon fibres, aramid fibres and other similar fibres.

Keel: en

Alusdokumendid: ISO 527-4:2021; EN ISO 527-4:2021

Asendab dokumenti: EVS-EN ISO 527-4:2000

85 PABERITEHNOLOOGIA

EVS-EN ISO 7213:2021

Pulps - Sampling for testing (ISO 7213:2021)

This document specifies a method of obtaining, for test purposes, a gross sample representative of a certain lot of pulp. This document applies to all kinds of pulp delivered in bales or rolls. It is intended for use when sampling for all kinds of testing purposes except for the determination of saleable mass, in which case other International Standards apply such as ISO 801-1 and ISO 801-2. If, however, the pulp is to be tested for saleable mass in addition to other properties, the gross sample obtained according to the appropriate International Standard for sampling saleable mass can also be used for the other pulp property tests.

Keel: en

Alusdokumendid: ISO 7213:2021; EN ISO 7213:2021

Asendab dokumenti: EVS-EN 7213:2000

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 23322:2021

Paints and varnishes - Determination of solvents in coating materials containing organic solvents only - Gas-chromatographic method (ISO 23322:2021)

This document specifies a method for the gas-chromatographic determination of the qualitative and quantitative composition of solvents contained in a product. The method is applicable to coating materials containing solely organic solvents (generally called conventional coating materials) and binder solutions and non-aqueous dispersions containing solely organic solvents. The method defined in this document is not applicable for determination of volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) content. For determination of VOC and SVOC, see ISO 11890-2.

Keel: en

Alusdokumendid: ISO 23322:2021; EN ISO 23322:2021

CEN/TR 17741:2021**Guidance for understanding and utilize EN/ISO 29481-1 Building information models - Information delivery manual - Part 1: Methodology and format**

This document provides guidance on how to develop an information delivery manual (IDM) in compliance with EN ISO 29481-1 hereafter referred to as the "IDM standard". This document explains the core components and development process of the IDM methodology in non-technical terms. This document aims to help users and software vendors understand and utilize the IDM standard in defining information requirements and deliverables. The technical implementation of IDM in a data model, model view definition (MVD), is excluded from this document's scope. IDM standard introduces the MVD concept but does not specify it in detail. This document also utilizes some transaction framework concepts introduced in EN ISO 29481-2. The technical XML- and XSD-schema definitions supporting the software solutions are excluded from this document.

Keel: en

Alusdokumendid: CEN/TR 17741:2021

CEN/TS 1555-7:2021**Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 7: Guidance for the assessment of conformity**

This document gives guidance for the assessment of conformity of compounds, products, joints and assemblies in accordance with the applicable part(s) of EN 1555 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures. This document gives recommendations that the quality management system conforms to or is no less stringent than the relevant requirements to EN ISO 9001. NOTE 1 If certification is involved, the certification and inspection body is preferably compliant with EN ISO/IEC 17065, EN ISO/IEC 17021 or EN ISO/IEC 17020, as applicable. In conjunction with Parts 1 to 5 of EN 1555 (see Foreword), this document is applicable to polyethylene (PE) plastics piping systems for the supply of gaseous fuels. It is applicable to PE pipes, fittings, and valves, their joints and to joints with components of other materials intended to be used under the following conditions: a) a maximum operating pressure, MOP, up to and including 10 bar; b) an operating temperature of 20 °C as reference temperature. NOTE 2 For other operating temperatures, derating coefficients can be used; see EN 1555-5.

Keel: en

Alusdokumendid: CEN/TS 1555-7:2021

Asendab dokumenti: CEN/TS 1555-7:2013

EVS-EN 12418:2021**Müüritse ja kivimaterjali lõikepingid tööobjektile. Ohutus
Masonry and stone cutting-off machines for job site - Safety**

This document applies to transportable masonry and stone cutting-off machines stationary during work, principally used on job site building construction for cutting-off stones, other mineral construction materials and composite materials having at least one supporting surface. The power for the tool rotation is supplied by electrical or internal combustion prime motor. This document deals with all significant hazards, hazardous situations or hazardous events relevant to masonry and stone cutting-off machines for job site (see Annex A), when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards during the lifetime of the machinery as described in EN ISO 12100:2010, 5.4. These machines are designed for use with rotating diamond cutting-off wheels with a continuous rim and/or segmented rim. This document does not apply to: - metal cutting-off machines; - wood and timber sawing machines; - machines with a feed or descent mechanism other than manual, or with a pedal; - mobile machines on a trolley travelling on the ground; - hand-held portable grinding and cutting-off machines; - hand-held portable grinding and cutting-off machines mounted on a support to be used in a fixed position. This document does not cover the operation of transportable masonry and stone cutting-off machines in potential explosive atmospheres. In this document, the masonry and stone cutting-off machines for job site construction are called: "cutting-off machines" or "machines", and cutting-off wheels are also called: "tools". This document applies to machines which are manufactured after the date of approval of the standard by CEN.

Keel: en

Alusdokumendid: EN 12418:2021

Asendab dokumenti: EVS-EN 12418:2000+A1:2009

EVS-EN 12453:2017+A1:2021**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 dokument spetsifitseerib kasutusohutuse nõuded ja katsemeetodid masinkäitusega tööstus-, kommerts- ning garaažiustele ja -väravatele ning 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 järgmist

toodete korral: — lüüsvärvad ja dokivärvad; — liftiüksed; — sõidukiüksed; — soomustatud ukсед; — ukсед, mis on mõeldud peamiselt loomade tõkestamiseks, kui need ei paikne krundi perimeetril; — teatri tekstiileeriidid; — horisontaalselt liikuvad masinkäitusega ukсед, mis on ette nähtud peamiselt jalakäijatele; — ukсед, 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 käsitlusalasasse kuuluvate uste, värvate ja tõkkepuude tüüpe ja variante. See Euroopa standard ei käsitle erinõudeid mürale, mis on tekitatud masinkäitusega uste, värvate ja tõkkepuude poolt, mis on ette nähtud paigaldamiseks inimestele kättesaadavasse piirkonda ja mille peamine kasutusotstarve on tagada ohutu juurdepääs kaupadele ja sõidukitele, mida saavad 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.

Keel: en, et

Alusdokumendid: EN 12453:2017+A1:2021

Asendab dokumenti: EVS-EN 12453:2017

EVS-EN 1366-11:2018+A1:2021

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

This European Standard describes the method to evaluate the performance of protective systems for electrical cable and busbar systems in order to maintain the circuit integrity under fire conditions to classify the protective system according to EN 13501-3 for the P classification. The test examines the behaviour of cable protection systems exposed to fire from outside. The tests specified in this standard are not aimed for assessing the performance of the fire protective system and the penetration seal for maintaining the requirements of the penetrated wall or ceiling (classification E / I). This method is very different to EN 50200 for the PH classification and also to IEC 60331-11, IEC 60331-21, IEC 60331-23, and IEC 60331-25, which are not designed for fire protective systems for electrical cable systems. This standard should be used in conjunction with EN 1363-1. The test results apply to fire protective systems for electrical cable systems rated for voltages up to 1 kV. The test procedure should also be used to determine the performance of protective systems for use with data and optical cables, however, verification procedures for such cables are still under development. Proposals are given in Annex C. The protective system may include ventilation devices, inspection hatches, fixed or removable lids etc. The tests specified in this standard are not aimed for assessing the performance of sprayed or painted coatings (e.g. intumescent or ablative coating, plastic film, epoxy resin) and similar protective layers (e.g. wrap, bandage) applied directly on the cables or bus bars as fire protective system. Also, cables and bus bars with intrinsic resistance to fire, and without fire protective systems around, are excluded (see CENELEC standard EN 50577). This test method is not applicable for cabinets for electrical accessory containing bus systems, relays or similar.

Keel: en

Alusdokumendid: EN 1366-11:2018+A1:2021

Asendab dokumenti: EVS-EN 1366-11:2018

EVS-EN 13941-1:2019+A1:2021

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design

This document specifies requirements for design, calculation and installation of factory made thermal insulated bonded single and twin pipe systems for buried hot water networks for continuous operation with treated water at various temperatures up to 120 °C and occasionally peak temperatures up to 140 °C for maximum 300 h/a, and maximum internal pressure 2,5 MPa. Flexible pipe systems according to the EN 15632 series are not under the scope of this standard. The standard EN 13941, Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks consists of two parts: a) EN 13941-1: Design; b) EN 13941-2: Installation. The requirements in this part, EN 13941-1, form a unity with those of EN 13941-2. The principles of the standard may be applied to thermal insulated pipe systems with pressures higher than 2,5 MPa, provided that special attention is paid to the effects of pressure. Adjacent pipes, not buried, but belonging to the network (e.g. pipes in ducts, valve chambers, road crossings above ground etc.) may be designed and installed according to this standard. This document presupposes the use of treated water, which by softening, demineralization, de-aeration, adding of chemicals, or otherwise has been treated to effectively prevent internal corrosion and deposits in the pipes. NOTE For further information on water qualities to be used in district heating pipe systems see also bibliographic entry. This standard is not applicable for such units as: a) pumps; b) heat exchangers; c) boilers, tanks; d) systems behind domestic substations.

Keel: en

Alusdokumendid: EN 13941-1:2019+A1:2021

Asendab dokumenti: EVS-EN 13941-1:2019

EVS-EN 13941-2:2019+A1:2021

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation

This document specifies requirements for design, calculation and installation of factory made thermal insulated bonded single and twin pipe systems for buried hot water networks for continuous operation with treated water at various temperatures up to 120 °C and occasionally peak temperatures up to 140 °C for maximum 300 h/a, and maximum internal pressure 2,5 MPa. Flexible pipe systems according to the EN 15632 series are not under the scope of this standard. The standard EN 13941, Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks consists of two parts: a) EN 13941-1: Design; b) EN 13941-2: Installation. The requirements in this part, EN 13941-2, form a unity with those of EN 13941-1. The principles of the standard may be applied to thermal insulated pipe systems with pressures higher than 2,5 MPa, provided that special attention is paid to the effects of this higher pressure. Adjacent pipes, not buried, but belonging to the network (e.g. pipes in ducts, valve chambers, road crossings above ground etc.) may be designed and installed

according to this standard. This standard presupposes the use of treated water, which by softening, demineralization, de-aeration, adding of chemicals, or otherwise has been treated to effectively prevent internal corrosion and deposits in the pipes. NOTE For further information on water qualities to be used in district heating pipe systems, see bibliographic entry. This document is not applicable for such units as: a) pumps; b) heat exchangers; c) boilers, tanks; d) systems behind domestic substations.

Keel: en

Alusdokumendid: EN 13941-2:2019+A1:2021

Asendab dokumenti: EVS-EN 13941-2:2019

EVS-EN 1527:2019+A1:2021

Building hardware - Hardware for sliding doors and folding doors - Requirements and test methods

This document specifies requirements for the design manual system sliding doors, sliding corner doors and folding doors of the bi-fold type and multi-panel folding doors but excluding doors and panels. Cycle tests, static load, initial friction and corrosion resistance tests are included for fittings and track only. This document covers door gear for all industrial, commercial and residential sliding doors and folding doors. This document does not cover the rollers for horizontal sliding and building hardware for inward or outward sliding folding windows (types N Q, R and S) in accordance with EN 13126-15, building hardware for Lift and Slide windows (type P) in accordance with EN 13126-16 and building hardware for Tilt and Slide windows (type T) in accordance with EN 13126-17.

Keel: en

Alusdokumendid: EN 1527:2019+A1:2021

Asendab dokumenti: EVS-EN 1527:2019

EVS-EN 15805:2021

Particulate air filters for general ventilation - Standardised dimensions

This document specifies the header frame dimensions of air filters for general ventilation to be used in air handling units, air intake system filters for rotary machinery and other applications. This includes pocket filters, rigid (V type) filters and filters to which header frame dimensions are applicable.

Keel: en

Alusdokumendid: EN 15805:2021

Asendab dokumenti: EVS-EN 15805:2010

EVS-EN 17037:2019+A1:2021

Päevavalgus hoonetes Daylight in buildings

Selles dokumendis kirjeldatakse elemente, mis aitavad päevavalguse abil saavutada asjakohase subjektiivse mulje valgusest siseruumides ja mis tagavad asjakohase vaate. Peale selle esitatakse soovitud insolatsioonile pidevalt kasutatavates ruumides. Selles dokumendis antakse teavet päevavalguse kasutamise kohta siseruumide valgustamiseks ja räguse vähendamiseks. Dokumendis määratletakse parameetrid, mida kasutatakse päevavalguse tingimuste hindamiseks, ning esitatakse arvutamise ja tõendamise põhimõtted. Need põhimõtted võimaldavad arvestada päevavalguse varieeruvusega päevade ja aasta jooksul. Seda dokumenti kohaldatakse kõigi ruumide suhtes, kus inimesed võivad viibida regulaarselt pikema aja vältel, välja arvatud juhul, kui päevavalgus on vastuolus tegelikult tehtava töö laadiga. Valgustusnõuete spetsifikatsioon siseruumides, kus asuvad muu hulgas visuaalseid ülesandeid täitvate inimeste töökohad, on esitatud standardis EN 12464-1 ja ei ole selle dokumendi osa.

Keel: en, et

Alusdokumendid: EN 17037:2018+A1:2021

Asendab dokumenti: EVS-EN 17037:2019

Asendab dokumenti: EVS-EN 17037:2019/AC:2021

EVS-EN 1744-4:2021

Tests for chemical properties of aggregates - Part 4: Determination of water susceptibility of fillers for bituminous mixtures

This document specifies the procedure for the determination of the water susceptibility of fillers for bituminous mixtures, by separation of filler from a bitumen filler mixture. A method for the determination of water susceptibility by volume increase and loss of stability of a Marshall specimen is described in Annex A.

Keel: en

Alusdokumendid: EN 1744-4:2021

Asendab dokumenti: EVS-EN 1744-4:2005

EVS-EN 17526:2021

Gaasiarvesti. Termilise massivoo mõõturil põhinev gaasiarvesti Gas meter - Thermal-mass flow-meter based gas meter

This document specifies requirements and tests for the construction, performance, safety and production of battery powered class 1,5 Capillary Thermal-Mass Flow sensor gas meters (hereinafter referred to as meter(s)). This applies to meters having co-axial single pipe, or two pipe connections, which are used to measure volumes of fuel gases of the 2nd and/or 3rd family, as given in EN 437:2018. In general, the term "thermal mass flow meters" applies to a flow-measuring device using heat transfer to

measure and indicate gas flowrate, as defined in ISO 14511. NOTE 1 Although the word "mass" is present in the definition of the measurement principle, gas meters covered by this document provide measurement of gas at base conditions of temperature and pressure. These meters have a maximum working pressure not exceeding 0,5 bar and a maximum flowrate not exceeding 160 m³/h over a minimum ambient temperature range of -10 °C to +40 °C and a gas temperature range as specified by the manufacturer with a minimum range of 40 °C. This document applies to meters indicating volume at base conditions, which are installed in locations with vibration and shocks of low significance. It applies to meters in: - closed locations (indoor or outdoor with protection, as specified by the manufacturer) with condensing humidity or with non-condensing humidity; or, if specified by the manufacturer: - open locations (outdoor without any covering) both with condensing humidity or with non-condensing humidity; and in locations with electromagnetic disturbances likely to be found in residential, commercial and light industrial use. For meters which indicate unconverted volume, reference can be made to Annex C. Unless otherwise stated, all pressures given in this document are gauge pressures. Requirements for electronic indexes, valves and additional requirements for batteries incorporated in the meter and any other additional functionalities are given in EN 16314:2013. Unless otherwise stated in a particular test, the tests are carried out on meters that include additional functionality devices intended by the manufacturer. Clauses 1 to 13 are for design and type testing only.

Keel: en

Alusdokumendid: EN 17526:2021

EVS-HD 60364-4-42:2011/A11:2021

Madalpingelised elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects

Standardi HD 60364-4-42:2011 muudatus

Keel: en

Alusdokumendid: HD 60364-4-42:2011/A11:2021

Muudab dokumenti: EVS-HD 60364-4-42:2011

Muudab dokumenti: EVS-HD 60364-4-42:2011+A1:2015

EVS-HD 60364-4-42:2011+A1+A11:2021

Madalpingelised elektripaigaldised. Osa 4-42: Kaitseviisid. Kaitse kuumustoime eest Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects (IEC 60364-4-42:2010, modified + IEC 60364-4-42:2010/A1:2014)

IEC 60364 see osa kehtib elektripaigaldiste kohta, milles on vaja rakendada meetmeid inimeste, koduloomade ja vara kaitseks — elektriseadmetest põhjustatud kuumustoimete, materjalide süttimise või lagunemise ja põletuste riski eest; — tuleohu korral tekkivate leekide leviku eest elektripaigaldistest lähedal asuvatesse teistesse tuletõkkevaheseintega eraldatud ehitiseosadesse; — elektriseadmete, sealhulgas turvaseadmete toimivuse halvenemise eest. MÄRKUS 1 Kaitseks kuumustoimete eest võib rakendada rahvuslike õigusaktide nõudeid. MÄRKUS 2 Kaitse liigvoolude eest on sätestatud standardis IEC 60364-4-43. Kaablite ja nende tuletundlikkuse kohta võib neid kaitsemeetmeid väljendada viitega ehitustoodete määruale (Construction Products Regulation, CPR) ja asjakohastele klassidele standardi EN 13501-6 kohaselt. MÄRKUS 3 Kuna ehitustoodete määru nõuab, et tootja deklareeriks kaabli vastupidavust tulele protseduuride ja liigituse kohaselt, mis on levinud kogu Euroopa Liidus, vastutavad liikmesriigid liigituse määramise eest, mida tuleb mis tahes konkreetses rakenduses või paigaldises nõuda. Rahvuslikel õigusaktidel põhinevad nõuded võivad seetõttu olla siin esitatud tasemete suhtes ülimuslikud. EE MÄRKUS Eestis on kaablite ja juhtmete tuletundlikkuse nõuded sätestatud siseministri 30.03.2017 määrusega nr 17 „Ehitisele esitatavad tuleohutusnõuded ja nõuded tuletõrje veevarustusele“ (RT I, 04.04.2017, 14).

Keel: en

Alusdokumendid: IEC 60364-4-42:2010; HD 60364-4-42:2011; IEC 60364-4-42:2010/A1:2014; HD 60364-4-42:2011/A1:2015; HD 60364-4-42:2011/A11:2021

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011/A1:2015

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011/A11:2021

Konsolideerib dokumenti: EVS-HD 60364-4-42:2011+A1:2015

93 RAJATISED

CEN/TS 15209:2021

Tactile paving surface indicators produced from concrete, clay and stone

This document specifies the method of measurement and acceptance criteria for the dimensions for surface profile features and patterns for the surface of pedestrian paving units, used to convey information for visually impaired people. It applies to paving units made of concrete, clay and stone where the tactile profiles are monolithic with the unit. The surface profiles are intended to be applied to units manufactured to EN 1338, EN 1339, EN 1341, and EN 1344 which can be square or rectangular as specified by the designer. It does not specify dimensions of a single tactile paving layout or profile but proposes ranges within which these dimensions should fall. Default dimensions are given in the absence of a national requirement. This document proposes methods of measurement of profiles, light reflectance and colour but does not specify requirements for these characteristics. These properties will be decided by the designer taking into account the regulations, codes of practice, and guidance in the place of use of the units. It does not specify material characteristics.

Keel: en

Alusdokumendid: CEN/TS 15209:2021

Asendab dokumenti: CEN/TS 15209:2008

EVS-EN 13848-3:2021

Railway applications - Track - Track geometry quality - Part 3: Measuring systems - Track construction and maintenance machines

This document specifies the minimum requirements for measuring systems fitted on track construction and maintenance machines to give an evaluation of track geometry quality when they measure any one or several of the parameters described in EN 13848-1. This document also gives the acceptable differences from EN 13848-1 when using chord measurements. This document does not specify: — requirements for vehicle acceptance; — criteria for track works acceptance; — requirements for Urban Rail Systems. Only systems put into service after the document comes into force are concerned.

Keel: en

Alusdokumendid: EN 13848-3:2021

Asendab dokumenti: EVS-EN 13848-3:2009

EVS-EN 13862:2021

Põrandalõikemasinad. Ohutus Floor cutting-off machines - Safety

This document applies to pedestrian-controlled floor-sawing machines having travel power feed or manual feed (see 3.1) for sawing, grooving and milling floor surfaces made of concrete, asphalt and similar mineral building materials where the main power is supplied by electric or internal combustion prime engine. The power transmission of floor-sawing machines is mechanical or hydraulic. This document deals with all significant hazards, hazardous situations or hazardous events relevant to floor sawing machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A). This document specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards during the lifetime of the machinery as described in EN ISO 12100:2010, 5.4. These machines are designed for use with rotating cutting-off wheels for wet and dry cutting. These cutting-off wheels can be either a diamond cutting-off wheel or a boron nitride cutting-off wheel. This document does not apply to: - self-propelled ride-on floor-sawing machines; - machines moving along a rail; - hand-held portable cutting off machines for construction materials mounted on a mobile support, to be used as floor saws; - remote-controlled machines. In this document, floor-sawing machines are called "machines", and cutting-off wheels are also called "tools". This document applies to machines which are manufactured after the date of approval of the standard by CEN.

Keel: en

Alusdokumendid: EN 13862:2021

Asendab dokumenti: EVS-EN 13862:2002+A1:2009

EVS-EN 14067-5:2021

Raudteelased rakendused. Aerodünaamika. Osa 5: Nõuded aerodünaamikale tunnelites ning selle katsetamise protseduurid Railway applications - Aerodynamics - Part 5: Requirements and assessment procedures for aerodynamics in tunnels

This document establishes aerodynamic requirements, test procedures, assessment methods and acceptance criteria for operating rolling stock in tunnels. Aerodynamic pressure variations, loads, micro pressure wave generation and further aerodynamic aspects to be expected in tunnel operation are addressed in this document. Requirements for the aerodynamic design of rolling stock and tunnels of the heavy rail system are provided. The requirements apply to heavy rail systems only.

Keel: en

Alusdokumendid: EN 14067-5:2021

Asendab dokumenti: EVS-EN 14067-5:2006+A1:2010

EVS-EN 16228-1:2014+A1:2021

Vaipaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 1: Üldised nõuded Drilling and foundation equipment - Safety - Part 1: Common requirements

This European Standard specifies the common safety requirements for drilling and foundation equipment. Part 1 of this European Standard deals with the significant hazards common to drilling and foundation equipment (see Annex A), when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (transport, assembly, dismantling, equipment in service and out of service, maintenance, moving on site, storage, disabling and scrapping). NOTE 1 The requirements specified in this part of the standard are common to two or more families of drilling and foundation equipment. This document gives safety requirements for all types of drilling and foundation equipment and is intended to be used in conjunction with one of parts 2 to 7. These machine specific parts do not repeat the requirements from part 1 but supplement or modify the requirements for the type of drilling and foundation equipment in question. For multipurpose machinery, the parts of the standard that cover the specific functions and applications are used, e.g. a drilling machine also used as a piling machine will use the relevant requirements of EN 16228-1, EN 16228-2, and EN 16228-4. The following machines are excluded from the scope of this standard: - tunnelling machines, unshielded tunnel boring machines and rodless shaft boring machines for rock according to EN 16191; - raise boring machines; - drill rigs used in oil and gas industry; - specialized mining machinery and equipment for opencast mining (e.g. rock drill rigs, blast hole drills) (under the scope of CEN/TC 196); - all underground mining machinery and equipment for the extraction of solid mineral substances (e.g. rock drill rigs, raise boring machines, shaft boring machines, mining auger boring machines, jumbos) as well as machinery and equipment for underground mine development (under the scope of CEN/TC 196); - core drilling machines on stand (covered by EN 12348); - hand-held machines (in particular machines covered by ISO 11148-5). NOTE 2 Specific requirements for offshore applications are not covered by this European Standard. Where a drilling or foundation equipment of fixed configuration that is not intended to be separated is assembled using a carrier based on earth-moving equipment, agricultural equipment, or a crane, then the completed assembly is covered by this standard. Drilling and foundation equipment within the scope of EN 16228

parts 1 to 6 may include interchangeable auxiliary equipment within the scope of EN 16228-7, either as an integral part of its construction or as interchangeably fitted equipment. If drilling and foundation equipment is intended to be used in a potentially explosive atmosphere, or in case of lightning risk, additional requirements will need to be met which are not covered by this document. This document is not applicable to drilling and foundation equipment manufactured before the date of its publication."

Keel: en

Alusdokumendid: EN 16228-1:2014+A1:2021

Asendab dokumenti: EVS-EN 16228-1:2014

EVS-EN 16228-2:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamiseseadmed. Ohutus. Osa 2: Mobiilsed puurtornid tsiviil- ja geotehniliseks ehituseks, lahtiseks ja kinniseks kaevandamiseks

Drilling and foundation equipment - Safety - Part 2: Mobile drill rigs for civil and geotechnical engineering, quarrying and mining

This European Standard, together with part 1, deals with all significant hazards for mobile drill rigs for in soil or soil and rock mixture in civil and geotechnical engineering, "deleted text" when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014+A1:2021. This document does not repeat the requirements from EN 16228-1:2014+A1:2021, but adds or replaces the requirements for application for mobile drill rigs. In this document the general term "mobile drill rig" covers several different types of machines for use in: - civil engineering; - geotechnical engineering (including ground investigation, anchoring, soil nailing, mini-piling, ground stabilization, grouting); - water well drilling; - geothermal installations; - landfill drilling; - underpinning and tunnelling; - for use above ground as well as underground. Typically, the process of drilling involves the addition of drill rods, tubes, casings or augers etc., normally threaded, as the borehole extends to depth. NOTE 1 EN 16228-4:2014+A1:2021 covers machines with a rotary torque greater than 35 kNm. NOTE 2 The term "drill rigs" includes rigs with a separate power pack supplied by the rig manufacturer. The following machines are excluded from the scope of this document: - tunnelling machines, unshielded tunnel boring machines and rodless shaft boring machines for rock according to prEN 16191; - raise boring machines; - drill rigs used in oil and gas industry; - specialized mining machinery and equipment for opencast mining (e.g. rock drill rigs, blast hole drills) (under the scope of CEN/TC 196); - all underground mining machinery and equipment for the extraction of solid mineral substances (e.g. rock drill rigs, raise boring machines, shaft boring machines, mining auger boring machines, jumbos) as well as machinery and equipment for underground mine development (under the scope of CEN/TC 196); - core drilling machines on stand covered by EN 12348; - hand-held machines (in particular machines covered by ISO 11148-5). This document is not applicable to mobile drill rigs for in soil or soil and rock mixture in civil and geotechnical engineering manufactured before the date of its publication.

Keel: en

Alusdokumendid: EN 16228-2:2014+A1:2021

Asendab dokumenti: EVS-EN 16228-2:2014

EVS-EN 16228-3:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamiseseadmed. Ohutus. Osa 3: Suundpuurimiseseadmed

Drilling and foundation equipment - Safety - Part 3: Horizontal directional drilling equipment (HDD)

This European Standard, together with part 1, deals with all significant hazards for horizontal directional drilling equipment (HDD) when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014+A1:2021. This document does not repeat the requirements from EN 16228-1:2014+A1:2021, but adds or replaces the requirements for application for horizontal directional drills. A machine is considered a horizontal directional drill if it is designed to drill in a shallow arc for the installation of pipes, conduits, and cables and typically has a drill string entry angle of less than 45° relative to the operating surface of the earth.

Keel: en

Alusdokumendid: EN 16228-3:2014+A1:2021

Asendab dokumenti: EVS-EN 16228-3:2014

EVS-EN 16228-4:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamiseseadmed. Ohutus. Osa 4: vundamendirajamiseseadmed

Drilling and foundation equipment - Safety - Part 4: Foundation equipment

This European Standard, together with part 1, deals with all significant hazards for foundation equipment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014 This document does not repeat the requirements from EN 16228-1:2014 but adds or replaces the requirements for application for foundation equipment. In this document the general term "foundation equipment" covers several different types of machines used for installation and/or extracting by drilling (machines with a rotary torque greater than 35 kNm), driving, vibrating, pushing, pulling or a combination of techniques, or any other way, of: -longitudinal foundation elements; -soil improvement by vibrating and soil mixing techniques; -vertical drainage. NOTE Some foundation equipment may have an additional rotary head with a torque less than 35 kNm for pre-drilling applications; this equipment is covered by this standard. Machines with one or more of the following characteristics are not covered by this standard, but are covered by EN 16228-2: - machines that have a main rotary head torque of less than 35 kNm; - machines that have multi-directional drilling capability; - machines for which adding and removing rods or digging and drilling tools etc. is usually required during the installation/extraction process. Typically the process of foundation techniques involves the installation of longitudinal elements such as concrete piles, steel beams, tubes and sheet piles, injection elements as tubes and hoses and casings for cast in situ.

Keel: en
Alusdokumendid: EN 16228-4:2014+A1:2021
Asendab dokumenti: EVS-EN 16228-4:2014

EVS-EN 16228-5:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 5: Rakistusvaheseinte paigaldusseadmed

Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment

This European Standard, together with part 1, deals with all significant hazards for diaphragm walling equipment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014. This document does not repeat the requirements from EN 16228-1, but adds or replaces the requirements for application for diaphragm walling equipment.

Keel: en
Alusdokumendid: EN 16228-5:2014+A1:2021
Asendab dokumenti: EVS-EN 16228-5:2014

EVS-EN 16228-6:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 6: Jugapuurimis-, pinnasvalu- ja injektsoonvaluseadmed

Drilling and foundation equipment - Safety - Part 6: Jetting, grouting and injection equipment

This European Standard, together with part 1, deals with all significant hazards for jetting, grouting and injection equipment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014+A1:2021. This document does not repeat the requirements from EN 16228-1:2014+A1:2021, but adds or replaces the requirements for application for jetting, grouting and injection equipment. Rigs for drilling, vibrating, pile driving, to be used for preparing holes for these applications are covered by EN 16228-2:2014+A1:2021 and/or EN 16228-4:2014+A1:2021. Jetting, grouting and injection equipment is used in the preparation, transfer and application of grouting materials used for either: - the improvement of ground condition; or - the filling of voids e.g. around piles or ground anchors. Jetting, grouting and injection equipment are constituted by all equipment and installations, operated by hand or electrically, pneumatically, mechanically or hydraulically powered, necessary for the following: - mixing, storing, measuring and pumping of substances (cement suspension, mortar or chemical liquids/mixtures); - jetting, grouting and injection processes (of/into subsoil) with low, medium or high pressure or vacuum systems; - deleted text - all control systems, electrical or mechanical pressure and flow recorders, for monitoring the grouting; - all jetting, grouting and injection accessories, such as: special tools, lances, rods, sockets, packers, retention clamps and swivel hooks. This document does not apply to machines and equipment for conveying, spraying and placing concrete and mortar (covered by EN 12001). This document does not deal with jetting, grouting or injection units intended to use products that generate toxic gases.

Keel: en
Alusdokumendid: EN 16228-6:2014+A1:2021
Asendab dokumenti: EVS-EN 16228-6:2014

EVS-EN 16228-7:2014+A1:2021

Vaiapaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 7: Vahetatavad abiseadmed

Drilling and foundation equipment - Safety - Part 7: Interchangeable auxiliary equipment

This European Standard, together with part 1, deals with all significant hazards for interchangeable auxiliary equipment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole life time of the machine (see Clause 4). The requirements of this part are complementary to the common requirements formulated in EN 16228-1:2014+A1:2021. This document does not repeat the requirements from EN 16228-1:2014+A1:2021, but adds or replaces the requirements for application for interchangeable auxiliary equipment. This document specifies the specific safety requirements for interchangeable auxiliary equipment to be used in drilling and foundation operations, connected with drilling and foundation equipment, agricultural equipment and/or earth moving machinery when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer. Interchangeable auxiliary equipment includes pile installation and extraction equipment, impact hammers, extractors, vibrators, deep vibrators, static pile pushing/pulling devices, rotary percussion hammers, rotary drilling drives, drill mast equipment such as leaders equipped with a drill stem and gears attached to the boom of an excavator and casing oscillators/rotators. Diaphragm wall cutting tools are dealt with in EN 16228-5:2014+A1:2021.

Keel: en
Alusdokumendid: EN 16228-7:2014+A1:2021
Asendab dokumenti: EVS-EN 16228-7:2014

EVS-EN 12491:2015+A1:2021

Paragliding equipment - Emergency parachutes - Safety requirements and test methods

This European Standard is applicable to emergency parachutes deployed by the action of the pilot without any other assistance (mechanical or pyrotechnic), intended for use with single seater or two seater paragliders.

Keel: en

Alusdokumendid: EN 12491:2015+A1:2021

Asendab dokumenti: EVS-EN 12491:2015

EVS-EN 17616:2021

Outdoor candles - Specification for fire safety

This document specifies requirements and test methods for the fire safety of candles intended to be burned outdoors. Sticks wrapped with fuel-soaked materials, such as paper, cardboard or fabric, oil lamps on a stick and products intended to be used professionally to protect vineyards or fruit orchards from frost damages are not covered by this document.

Keel: en

Alusdokumendid: EN 17616:2021

EVS-EN 17617:2021

Outdoor candles - Product safety labels

This document specifies safety information for burning outdoor candles and includes requirements on how safety information will be displayed. Sticks wrapped with fuel-soaked materials, such as paper, cardboard or fabric, as well as oil lamps on a stick and products intended to be used professionally to protect vineyards or fruit orchards from frost damages are not covered by this document.

Keel: en

Alusdokumendid: EN 17617:2021

EVS-EN 203-1:2021

Gaaskuumutusega toitlustusseadmed. Osa 1: Üldised ohutusnõuded

Gas heated catering equipment - Part 1: General safety requirements

This document specifies the requirements and test methods for the construction and operating characteristics relating to safety and rational use of energy for gas heated commercial catering and bakery appliances intended to be used indoor. This document applies to all professional cooking and bakery appliances using gas for preparing food and drink. Only appliances of types A1, A2, A3, B1 and B2, as defined in Clause 4, are considered in this document. Only the net calorific value (Hi) and net Wobbe index (Wi) are used. The requirements concerning specific types of appliances are given in the relevant Part 2. Annex C (informative) lists the main types of equipment covered by the scope of this document. Appliances covered by this document are not intended to use gases containing carbon monoxide or other toxic components. NOTE For appliances intended to be used in vehicles, in trailers or on-board ships, additional requirements can be necessary.

Keel: en

Alusdokumendid: EN 203-1:2021

Asendab dokumenti: EVS-EN 203-1:2014

Asendab dokumenti: EVS-EN 203-1:2014/AC:2016

EVS-EN 203-2-1:2021

Gaaskuumutusega toitlustusseadmed. Osa 2-1: Erinõuded. Avatud põletid ja vokipõletid

Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners

The scope of EN 203-1:2021 applies, with the following modifications: - replace the 2nd paragraph with the following: This document applies to open burners, non-enclosed covered burners and wok burners appliances. - replace the 3rd paragraph with the following: This document does not cover appliances of type B.

Keel: en

Alusdokumendid: EN 203-2-1:2021

Asendab dokumenti: EVS-EN 203-2-1:2015

EVS-EN 203-2-2:2021

Gaaskuumutusega toitlustusseadmed. Osa 2-2: Erinõuded. Ahjud

Gas heated catering equipment - Part 2-2: Specific requirements - Ovens

The scope of EN 203-1:2021 applies, with the following addition and modification of the 3rd paragraph: This document applies to catering, bakery and pizza ovens. This document applies to gas heated natural and forced convection ovens, multi-function ovens and atmospheric steaming ovens. This document does not cover appliances which are specifically designed for use in industrial processes on industrial premises nor appliances intended to be operated with the door open.

Keel: en

Alusdokumendid: EN 203-2-2:2021

Asendab dokumenti: EVS-EN 203-2-2:2006

EVS-EN 203-2-4:2021

Gaaskuumutusega toilitustusseadmed. Osa 2-4: Erinõuded. Fritüürid Gas heated catering equipment - Part 2-4: Specific requirements - Fryers

The scope of EN 203-1:2021 applies, with the following addition and modification of the 3rd paragraph. This document applies to catering fryers.

Keel: en
Alusdokumendid: EN 203-2-4:2021
Asendab dokumenti: EVS-EN 203-2-4:2005

EVS-EN 30-1-1:2021

Kodused gaaskuumutusega toiduvalmistusseadmed. Osa 1-1: Ohutus. Üldist Domestic cooking appliances burning gas - Part 1-1: Safety - General

This document specifies the requirements and methods of test for the safety and marking of freestanding and built-in domestic cooking appliances burning combustible gases given in EN 437:2021, referred to in the text as "appliances". The appliances covered by this document are intended to be used in a domestic dwelling. This document covers the following types of domestic cooking appliances: - independent freestanding hobs; - independent built-in hobs; - hobs and grills; - table cookers; - freestanding ovens; - built-in ovens; - freestanding or built-in grills; - griddles; - freestanding cookers; - built-in cookers. This document also applies to gas cooking appliances incorporating electrical heating elements (e.g. gas-electric cooking appliances). For appliances intended to be used in caravans, or motorhomes/mobile homes or on board of ships or aircraft, additional requirements may be necessary. This document does not apply to: a) outdoor appliances; b) appliances connected to a combustion products evacuation duct; c) appliances having a pyrolytic gas oven; d) appliances incorporating flame supervision devices and having an automatic ignition device for which the duration of the ignition attempt is limited by design; e) appliances equipped with a burner that is periodically ignited and extinguished under the control of an automatic on/off device; f) appliances equipped with an oven and/or with a grill having a fan: 1) either for the supply of combustion air or for the evacuation of the products of combustion; 2) or for the circulation of the products of combustion within the compartments; g) appliances incorporating one or more hob or grill burners that enable the user to program the delayed start of the cooking cycle; h) appliances of categories I2N, I2R, I3R, I2E(S), I2E(R), I2Esi, I2Er, I2R and the equivalent double and triple categories which include these indices; i) appliances of category I12E+3B. This document does not cover the requirements relating to third family gas cylinders, their pressure regulators and their connection.

Keel: en
Alusdokumendid: EN 30-1-1:2021
Asendab dokumenti: EVS-EN 30-1-1:2008+A3:2013

EVS-EN 60335-2-54:2009/A12:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

Amendment to EN 60335-2-54:2008

Keel: en
Alusdokumendid: EN 60335-2-54:2008/A12:2021
Muudab dokumenti: EVS-EN 60335-2-54:2009

EVS-EN 60335-2-54:2009/A2:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-54: Erinõuded pinnapuhastusseadmetele, mis kasutavad vedelikke või auru Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

This European Standard deals with the safety of electric cleaning appliances for household use that are intended for cleaning surfaces by using liquid cleansing agents or steam, their rated voltage being not more than 250 V. It also covers wallpaper strippers.

Keel: en
Alusdokumendid: IEC 60335-2-54:2008/A2:2019; EN 60335-2-54:2008/A2:2021
Muudab dokumenti: EVS-EN 60335-2-54:2009

EVS-EN 613:2021

Iseseisvad kinnise gaasiküttega B11, C11, C31 ja C91 tüüpi seadmed Independent closed-fronted gas-fired type B11, type C11, type C31 and type C91 heaters

This document specifies the requirements and test methods for the construction, safety, marking and rational use of energy. This document is applicable to types B11AS, B11BS, B11CS, C11, C31 and C91 appliances (see 4.2) and those that: — are closed-fronted; — incorporate a natural draught burner; — are connected directly to an open flue or to a device to evacuate the products of combustion (open-flued appliances, balanced-flued appliances); — are wall mounted, free-standing or built-in; — have a nominal heat input not exceeding 20 kW (based on the net calorific value). This document is not applicable to: — open fronted appliances as specified in EN 13278:2013; — decorative fuel effect appliances as specified in EN 509:1999/A1:2003; — catalytic combustion appliances; — appliances in which the supply of combustion air and/or evacuation of products of combustion is achieved by mechanical means as specified in EN 1266:2002; — ducted-air appliances; — appliances installed

by means of a closure plate (see 3.3.3.3). Matters related to quality assurance systems, tests during production and to certificates of conformity of auxiliary devices are not dealt with by this standard.

Keel: en

Alusdokumendid: EN 613:2021

Asendab dokumenti: EVS-EN 613:2001

Asendab dokumenti: EVS-EN 613:2001/A1:2003

EVS-EN 926-2:2013+A1:2021

Paragliding equipment - Paragliders - Part 2: Requirements and test methods for classifying flight safety characteristics

This European Standard specifies requirements and test methods for classifying the flight safety characteristics of paragliders in terms of the demands on pilot flying skills. This document is intended for the use of independent testing laboratories qualified for flight testing paragliders.

Keel: en

Alusdokumendid: EN 926-2:2013+A1:2021

Asendab dokumenti: EVS-EN 926-2:2013

EVS-EN IEC 60335-2-105:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele

Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

IEC 60335-2-105:2016 deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in hotels, fitness centres and similar locations, are within the scope of this standard. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This second edition cancels and replaces the first edition published in 2004 including its Amendment 1 (2008) and its Amendment 2 (2013). It constitutes a technical revision. The principal changes in this edition as compared with the first edition of IEC 60335-2-105 are as follows: - revised the application of a live part (8.1.4); - aligned the temperature rise limits of surfaces likely to be in contact with the skin with IEC Guide 117 for a contact time of one minute (Table 3). This publication is to be read in conjunction with IEC 60335-1:2010. It was established on the basis of the fifth edition (2010) of that standard. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en

Alusdokumendid: IEC 60335-2-105:2016; EN IEC 60335-2-105:2021

Asendab dokumenti: EVS-EN 60335-2-105:2005

Asendab dokumenti: EVS-EN 60335-2-105:2005/A1:2008

Asendab dokumenti: EVS-EN 60335-2-105:2005/A11:2010

Asendab dokumenti: EVS-EN 60335-2-105:2005/A2:2020

EVS-EN IEC 60335-2-105:2021/A1:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele

Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

This European Standard deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: IEC 60335-2-105:2016/A1:2019; EN IEC 60335-2-105:2021/A1:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021

EVS-EN IEC 60335-2-105:2021/A11:2021

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105: Erinõuded multifunktsionaalsetele dušikabiinidele

Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

This European Standard deals with the safety of electric multifunctional shower cabinets and electric separate multifunctional shower units for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: EN IEC 60335-2-105:2021/A11:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021

Muudab dokumenti: EVS-EN IEC 60335-2-105:2021/A1:2021

EVS-EN IEC 60335-2-29:2021+A1:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers (IEC 60335-2-29:2016, modified + IEC 60335-2-29:2016/A1:2019)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric battery chargers for household and similar use having an output not exceeding 250 V ripple-free direct current, their rated voltage being not more than 250 V. Battery chargers intended for charging batteries in a household end use application outside the scope of the IEC 60335 series of standards are within the scope of this standard. Requirements for battery chargers for use by children at least 8 years old without supervision are given in Annex AA. Battery chargers not intended for normal household use, but which nevertheless may be a source of danger to the public, such as battery chargers intended for use in garages, shops, light industry and on farms, are within the scope of this standard. This document deals with the reasonably foreseeable hazards presented by appliances and machines that are encountered by all persons. However, in general, it does not take into account: • children playing with the appliance; • the use of the appliance by very young children; • the use of the appliance by young children without supervision. It is recognized that very vulnerable people may have needs beyond the level addressed in this standard. NOTE 101 Attention is drawn to the fact that: – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 102 This standard does not apply to: – built-in battery chargers, except those for installing in caravans and similar vehicles; – battery chargers that are part of an appliance, the battery of which is not accessible to the user; – battery chargers intended exclusively for industrial purposes; – battery chargers intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – battery chargers for emergency lighting (IEC 60598-2-22); – supply units for electronic equipment

Keel: en

Alusdokumendid: IEC 60335-2-29:2016; EN IEC 60335-2-29:2021; IEC 60335-2-29:2016/A1:2019; EN IEC 60335-2-29:2021/A1:2021

Konsolideerib dokumenti: EVS-EN IEC 60335-2-29:2021

Konsolideerib dokumenti: EVS-EN IEC 60335-2-29:2021/A1:2021

EVS-EN IEC 60335-2-41:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Particular requirements for pumps

Endorsement of the text of the International Standard IEC 60335-2-41:2012 with the related agreed European Common Modifications.

Keel: en

Alusdokumendid: IEC 60335-2-41:2012; EN IEC 60335-2-41:2021

Asendab dokumenti: EVS-EN 60335-2-41:2003

Asendab dokumenti: EVS-EN 60335-2-41:2003/A1:2004

Asendab dokumenti: EVS-EN 60335-2-41:2003/A2:2010

EVS-EN IEC 60335-2-41:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Particular requirements for pumps

Amendment to EN IEC 60335-2-41:2021

Keel: en

Alusdokumendid: EN IEC 60335-2-41:2021/A11:2021

Muudab dokumenti: EVS-EN IEC 60335-2-41:2021

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 13402-1:2002

Rõivaste suurustähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine (modifitseeritud ISO 3635:1981)

Size designation of clothes - Part 1: Terms, definitions and body measurement procedure (ISO 3635:1981, modified)

Keel: en, et

Alusdokumendid: EN 13402-1:2001

Standardi staatus: Kehtetu

EVS-EN 1540:2011

Töökeskonna õhu kvaliteet. Terminoloogia
Workplace exposure - Terminology

Keel: en

Alusdokumendid: EN 1540:2011

Asendatud järgmise dokumendiga: EVS-EN 1540:2021

Standardi staatus: Kehtetu

EVS-EN 60445:2017

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification -

Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017 + COR1:2017)

Keel: en, et

Alusdokumendid: IEC 60445:2017; IEC 60445:2017/COR1:2017; EN 60445:2017

Asendatud järgmise dokumendiga: EVS-EN IEC 60445:2021

Standardi staatus: Kehtetu

EVS-IEC 60050(195):2003

Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest
International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock

Keel: et-en

Alusdokumendid: IEC 60050-195:1998; IEC 60050-195/Amd 1:2001

Asendatud järgmise dokumendiga: EVS-IEC 60050-195:2021

Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

CEN/TS 15209:2008

Tactile paving surface indicators produced from concrete, clay and stone

Keel: en

Alusdokumendid: CEN/TS 15209:2008

Asendatud järgmise dokumendiga: CEN/TS 15209:2021

Standardi staatus: Kehtetu

EVS-EN 60601-2-41:2010

Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgias ja diagnoosimisel kasutatavate valgustite esmasele ohutusele ja olulistele toimimisnäitajatele

Medical electrical equipment - Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis

Keel: en

Alusdokumendid: IEC 60601-2-41:2009; EN 60601-2-41:2009

Asendatud järgmise dokumendiga: EVS-EN IEC 60601-2-41:2021

Muudetud järgmise dokumendiga: EVS-EN 60601-2-41:2010/A1:2015

Muudetud järgmise dokumendiga: EVS-EN 60601-2-41:2010/A11:2011

Standardi staatus: Kehtetu

EVS-EN 60601-2-41:2010/A1:2015

Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgias ja diagnoosimisel kasutatavate valgustite esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis

Keel: en

Alusdokumendid: IEC 60601-2-41:2009/A1:2013; EN 60601-2-41:2009/A1:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 60601-2-41:2021

Standardi staatus: Kehtetu

EVS-EN 60601-2-41:2010/A11:2011

Elektrilised meditsiiniseadmed. Osa 2-41: Erinõuded kirurgias ja diagnoosimisel kasutatavate valgustite esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis

Keel: en

Alusdokumendid: EN 60601-2-41:2009/A11:2011

Asendatud järgmise dokumendiga: EVS-EN IEC 60601-2-41:2021

Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 12873-2:2005

Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for nonmetallic and non-cementitious site-applied materials

Keel: en

Alusdokumendid: EN 12873-2:2005

Asendatud järgmise dokumendiga: EVS-EN 12873-2:2021

Standardi staatus: Kehtetu

EVS-EN 1366-11:2018

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

Keel: en

Alusdokumendid: EN 1366-11:2018

Asendatud järgmise dokumendiga: EVS-EN 1366-11:2018+A1:2021

Standardi staatus: Kehtetu

EVS-EN 14583:2004

Workplace atmospheres - Volumetric bioaerosol sampling devices - Requirements and test methods

Keel: en

Alusdokumendid: EN 14583:2004

Asendatud järgmise dokumendiga: EVS-EN 14583:2021

Standardi staatus: Kehtetu

EVS-EN 1540:2011

Töökeskonna õhu kvaliteet. Terminoloogia
Workplace exposure - Terminology

Keel: en

Alusdokumendid: EN 1540:2011

Asendatud järgmise dokumendiga: EVS-EN 1540:2021

Standardi staatus: Kehtetu

EVS-EN 16166:2012

Sludge, treated biowaste and soil - Determination of adsorbable organically bound halogens (AOX)

Keel: en

Alusdokumendid: EN 16166:2012

Asendatud järgmise dokumendiga: EVS-EN 16166:2021

Standardi staatus: Kehtetu

EVS-EN 50131-2-2:2017

Alarm systems - Intrusion and hold-up systems - Part 2-2: Intrusion detectors - Passive infrared detectors

Keel: en
Alusdokumendid: EN 50131-2-2:2017
Asendatud järgmise dokumendiga: EVS-EN 50131-2-2:2021
Standardi staatus: Kehtetu

EVS-EN 50131-2-3:2008

Alarm systems - Intrusion and hold-up systems - Part 2-3: Requirements for microwave detectors

Keel: en
Alusdokumendid: EN 50131-2-3:2008
Asendatud järgmise dokumendiga: EVS-EN 50131-2-3:2021
Parandatud järgmise dokumendiga: EVS-EN 50131-2-3:2008/IS1:2014
Standardi staatus: Kehtetu

EVS-EN 50131-2-3:2008/IS1:2014

Alarm systems - Intrusion and hold-up systems - Part 2-3: Requirements for microwave detectors

Keel: en
Alusdokumendid: EN 50131-2-3:2008/IS1:2014
Asendatud järgmise dokumendiga: EVS-EN 50131-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A1:2008

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en
Alusdokumendid: IEC 60335-2-105:2004/A1:2008; EN 60335-2-105:2005/A1:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A11:2010

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en
Alusdokumendid: EN 60335-2-105:2005/A11:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A2:2020

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en
Alusdokumendid: IEC 60335-2-105:2004/A2:2013; EN 60335-2-105:2005/A2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002; EN 60335-2-41:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A1:2004

Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A1:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele
Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002/A1:2004; EN 60335-2-41:2003/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A2:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele
Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002/A2:2009; EN 60335-2-41:2003/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Standardi staatus: Kehtetu

EVS-EN 60445:2017

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine
Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017 + COR1:2017)

Keel: en, et
Alusdokumendid: IEC 60445:2017; IEC 60445:2017/COR1:2017; EN 60445:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 60445:2021
Standardi staatus: Kehtetu

EVS-EN ISO 19085-3:2017

Puidutöötlemismasinad. Ohutus. Osa 3: Arvjuhtimisega puurid ja profiilreesid
Woodworking machines - Safety requirements - Part 3: Numerically controlled (NC) boring and routing machines (ISO 19085-3:2017)

Keel: en
Alusdokumendid: ISO 19085-3:2017; EN ISO 19085-3:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 22568-4:2019

Foot and leg protectors - Requirements and test methods for footwear components - Part 4: Non-metallic perforation resistant inserts (ISO 22568-4:2019)

Keel: en
Alusdokumendid: ISO 22568-4:2019; EN ISO 22568-4:2019
Asendatud järgmise dokumendiga: EVS-EN ISO 22568-4:2021
Standardi staatus: Kehtetu

EVS-EN ISO 22867:2011

Metsandus- ja aiandusmasinad. Sisepõlemismootoriga kaasaskantavad käsi-metsatöömasinad. Vibratsioonikatsekoodeks. Käepidemete vibratsiooni mõõtmine (ISO 22867:2011)
Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2011)

Keel: en
Alusdokumendid: ISO 22867:2011; EN ISO 22867:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 22867:2021
Standardi staatus: Kehtetu

EVS-EN ISO 8996:2004

Ergonomics of the thermal environment - Determination of metabolic rate

Keel: en
Alusdokumendid: ISO 8996:2004; EN ISO 8996:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 8996:2021
Standardi staatus: Kehtetu

EVS-IEC 60050(195):2003

**Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest
International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock**

Keel: et-en
Alusdokumendid: IEC 60050-195:1998; IEC 60050-195/Amd 1:2001
Asendatud järgmise dokumendiga: EVS-IEC 60050-195:2021
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 1555-7:2013

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 7: Guidance for the assessment of conformity

Keel: en
Alusdokumendid: CEN/TS 1555-7:2013
Asendatud järgmise dokumendiga: CEN/TS 1555-7:2021
Standardi staatus: Kehtetu

EVS-EN 12952-10:2002

**Veetoruudega katlad ja abipaigaldised. Osa 10: Nõuded kaitseeadmetele kaitseks ülemäärase surve eest
Water-tube boilers and auxiliary installations - Part 10: Requirements for safeguards against excessive pressure**

Keel: en
Alusdokumendid: EN 12952-10:2002
Asendatud järgmise dokumendiga: EVS-EN 12952-10:2021
Standardi staatus: Kehtetu

EVS-EN 13941-1:2019

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design

Keel: en
Alusdokumendid: EN 13941-1:2019
Asendatud järgmise dokumendiga: EVS-EN 13941-1:2019+A1:2021
Standardi staatus: Kehtetu

EVS-EN 13941-2:2019

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation

Keel: en
Alusdokumendid: EN 13941-2:2019
Asendatud järgmise dokumendiga: EVS-EN 13941-2:2019+A1:2021
Standardi staatus: Kehtetu

EVS-EN 14894:2013

LPG equipment and accessories - Cylinder and drum marking

Keel: en
Alusdokumendid: EN 14894:2013
Asendatud järgmise dokumendiga: EVS-EN 14894:2021
Standardi staatus: Kehtetu

EVS-EN 16119:2013

LPG equipment and accessories - Sealing caps and plugs for LPG cylinder and pressure vessel valves - Specification and testing

Keel: en
Alusdokumendid: EN 16119:2013
Asendatud järgmise dokumendiga: EVS-EN 16119:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002; EN 60335-2-41:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A1:2004
Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A1:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002/A1:2004; EN 60335-2-41:2003/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A2:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en
Alusdokumendid: IEC 60335-2-41:2002/A2:2009; EN 60335-2-41:2003/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021
Asendatud järgmise dokumendiga: FprEN 60335-2-41
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOGIA

EVS-EN 746-3:1999+A1:2009

Tööstuslikud termotötlusseadmed. Osa 3: Ohutusnõuded atmosfäärigaaside genereerimisel ja kasutamisel Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 746-3:1997+A1:2009
Asendatud järgmise dokumendiga: EVS-EN 746-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10675-1:2016

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 1: Steel, nickel, titanium and their alloys (ISO 10675-1:2016)

Keel: en
Alusdokumendid: ISO 10675-1:2016; EN ISO 10675-1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 10675-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10675-2:2017

Non-destructive testing of welds - Acceptance levels for radiographic testing - Part 2: Aluminium and its alloys (ISO 10675-2:2017)

Keel: en
Alusdokumendid: ISO 10675-2:2017; EN ISO 10675-2:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 10675-2:2021
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 12952-10:2002

Veetorudega katlad ja abipaigaldised. Osa 10: Nõuded kaitseseadmetele kaitseks ülemäärase surve eest

Water-tube boilers and auxiliary installations - Part 10: Requirements for safeguards against excessive pressure

Keel: en

Alusdokumendid: EN 12952-10:2002

Asendatud järgmise dokumendiga: EVS-EN 12952-10:2021

Standardi staatus: Kehtetu

EVS-EN 12952-2:2011

Veetorudega katlad ja abipaigaldised. Osa 2: Katelde ja lisaseadmete survedetailide materjalid

Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories

Keel: en

Alusdokumendid: EN 12952-2:2011

Asendatud järgmise dokumendiga: EVS-EN 12952-2:2021

Standardi staatus: Kehtetu

EVS-EN 12952-5:2011

Veetorudega katlad ja abipaigaldised. Osa 5: Katla survedetailide väljatöötamisviis ja valmistamine

Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler

Keel: en

Alusdokumendid: EN 12952-5:2011

Asendatud järgmise dokumendiga: EVS-EN 12952-5:2021

Standardi staatus: Kehtetu

EVS-EN 12952-6:2011

Veetorudega katlad ja abipaigaldised. Osa 6: Inspekteerimine katla survedetailide valmistamise, dokumenteerimise ja märgistamise ajal

Water-tube boilers and auxiliary installations - Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler

Keel: en

Alusdokumendid: EN 12952-6:2011

Asendatud järgmise dokumendiga: EVS-EN 12952-6:2021

Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 1366-11:2018

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

Keel: en

Alusdokumendid: EN 1366-11:2018

Asendatud järgmise dokumendiga: EVS-EN 1366-11:2018+A1:2021

Standardi staatus: Kehtetu

EVS-EN 50171:2006

Tsentraalsed toitesüsteemid

Central power supply systems

Keel: en, et

Alusdokumendid: EN 50171:2001/AC:2001; EN 50171:2001

Asendatud järgmise dokumendiga: EVS-EN 50171:2021

Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele

Household and similar electrical appliances - Safety Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en

Alusdokumendid: IEC 60335-2-105:2004; EN 60335-2-105:2005

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021

Muudetud järgmise dokumendiga: EVS-EN 60335-2-105:2005/A1:2008

Muudetud järgmise dokumendiga: EVS-EN 60335-2-105:2005/A11:2010

Muudetud järgmise dokumendiga: EVS-EN 60335-2-105:2005/A2:2020

Standardi staatus: Kehtetu

EVS-EN 60445:2017

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2017 + COR1:2017)

Keel: en, et

Alusdokumendid: IEC 60445:2017; IEC 60445:2017/COR1:2017; EN 60445:2017

Asendatud järgmise dokumendiga: EVS-EN IEC 60445:2021

Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61040:2002

Power and energy measuring detectors, instruments and equipment for laser radiation

Keel: en

Alusdokumendid: IEC 61040:1990; EN 61040:1992

Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 62037-1:2012

Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods

Keel: en

Alusdokumendid: IEC 62037-1:2012; EN 62037-1:2012

Asendatud järgmise dokumendiga: EVS-EN IEC 62037-1:2021

Standardi staatus: Kehtetu

EVS-EN 62037-2:2013

Passive RF and microwave devices, intermodulation level measurement - Part 2: Measurement of passive intermodulation in coaxial cable assemblies (IEC 62037-2:2012)

Keel: en

Alusdokumendid: IEC 62037-2:2012; EN 62037-2:2013

Asendatud järgmise dokumendiga: EVS-EN IEC 62037-2:2021

Standardi staatus: Kehtetu

EVS-EN 62037-3:2012

Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors

Keel: en

Alusdokumendid: IEC 62037-3:2012; EN 62037-3:2012

Asendatud järgmise dokumendiga: EVS-EN IEC 62037-3:2021

Standardi staatus: Kehtetu

EVS-EN 62037-5:2013

Passive RF and microwave devices, intermodulation level measurement - Part 5: Measurement of passive intermodulation in filters (IEC 62037-5:2013)

Keel: en

Alusdokumendid: IEC 62037-5:2013; EN 62037-5:2013

Asendatud järgmise dokumendiga: EVS-EN IEC 62037-5:2021

Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN/TS 15531-4:2011

Public transport - Service interface for real-time information relating to public transport operations - Part 4: Functional service interfaces: Facility Monitoring

Keel: en

Alusdokumendid: CEN/TS 15531-4:2011

Asendatud järgmise dokumendiga: CEN/TS 15531-4:2021

Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 14067-5:2006+A1:2010

Raudteealased rakendused. Aerodünaamika. Osa 5: Nõuded aerodünaamikale tunnelites ning selle katsetamise protseduurid KONSOLIDEERITUD TEXT

Railway applications - Aerodynamics - Part 5: Requirements and test procedures for aerodynamics in tunnels CONSOLIDATED TEXT

Keel: en

Alusdokumendid: EN 14067-5:2006+A1:2010

Asendatud järgmise dokumendiga: EVS-EN 14067-5:2021

Standardi staatus: Kehtetu

EVS-EN 14752:2019

Raudteealased rakendused. Veeremi külgmised sissepääsusüsteemid

Railway applications - Bodyside entrance systems for rolling stock

Keel: en

Alusdokumendid: EN 14752:2019

Asendatud järgmise dokumendiga: EVS-EN 14752:2019+A1:2021

Standardi staatus: Kehtetu

EVS-EN 15734-1:2010

Raudteealased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 1: Nõuded ja definitsioonid

Railway applications - Braking systems of high speed trains - Part 1: Requirements and definitions

Keel: en

Alusdokumendid: EN 15734-1:2010

Asendatud järgmise dokumendiga: EVS-EN 15734-1:2010+A1:2021

Parandatud järgmise dokumendiga: EVS-EN 15734-1:2010/AC:2013

Standardi staatus: Kehtetu

EVS-EN 15734-1:2010/AC:2013

Raudteealased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 1: Nõuded ja definitsioonid

Railway applications - Braking systems of high speed trains - Part 1: Requirements and definitions

Keel: en

Alusdokumendid: EN 15734-1:2010/AC:2013

Asendatud järgmise dokumendiga: EVS-EN 15734-1:2010+A1:2021

Standardi staatus: Kehtetu

EVS-EN 15734-2:2010

Raudteealased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 2: Katsemeetodid

Railway applications - Braking systems of high speed trains - Part 2: Test methods

Keel: en

Alusdokumendid: EN 15734-2:2010

Asendatud järgmise dokumendiga: EVS-EN 15734-2:2010+A1:2021

Parandatud järgmise dokumendiga: EVS-EN 15734-2:2010/AC:2012

Standardi staatus: Kehtetu

EVS-EN 15734-2:2010/AC:2012

Raudteealased rakendused. Kiirraudtee rongi pidurdussüsteemid. Osa 2: Katsemeetodid

Railway applications - Braking systems of high speed trains - Part 2: Test methods

Keel: en
Alusdokumendid: EN 15734-2:2010/AC:2012
Asendatud järgmise dokumendiga: EVS-EN 15734-2:2010+A1:2021
Standardi staatus: Kehtetu

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 15609:2012

Vedelgaasi (LPG) seadmed ja lisavarustus. LPG käitamissüsteemid paatidele, jahtidele ja muudele veesõidukitele
LPG equipment and accessories - LPG propulsion systems for boats, yachts and other craft

Keel: en
Alusdokumendid: EN 15609:2012
Asendatud järgmise dokumendiga: EVS-EN 15609:2021
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 16602-30-11:2014

Space product assurance - Derating - EEE components

Keel: en
Alusdokumendid: ECSS-Q-ST-30-11C Rev1; EN 16602-30-11:2014
Asendatud järgmise dokumendiga: EVS-EN 16602-30-11:2021
Standardi staatus: Kehtetu

EVS-EN 16603-32-01:2014

Space engineering - Fracture control

Keel: en
Alusdokumendid: ECSS-E-ST-32-01C Rev.1; EN 16603-32-01:2014
Asendatud järgmise dokumendiga: EVS-EN 16603-32-01:2021
Standardi staatus: Kehtetu

EVS-EN 2854-002:2009

Aerospace series - Cables, electrical for general purpose - Cross sections equal to and greater than 9 mm² - Operating temperatures between - 55 °C and 260 °C - Part 002: General

Keel: en
Alusdokumendid: EN 2854-002:2009
Asendatud järgmise dokumendiga: EVS-EN 2854-002:2021
Standardi staatus: Kehtetu

EVS-EN 4179:2017

Aerospace series - Qualification and approval of personnel for non-destructive testing

Keel: en
Alusdokumendid: EN 4179:2017
Asendatud järgmise dokumendiga: EVS-EN 4179:2021
Standardi staatus: Kehtetu

61 RÕIVATÖÖSTUS

EVS-EN 13402-1:2002

Rõivaste suurustähistus. Osa 1: Terminid, määratlused ja mõõduvõtmine (modifitseeritud ISO 3635:1981)
Size designation of clothes - Part 1: Terms, definitions and body measurement procedure (ISO 3635:1981, modified)

Keel: en, et
Alusdokumendid: EN 13402-1:2001
Standardi staatus: Kehtetu

EVS-EN 13402-2:2002

Rõivaste suurustähistus. Osa 2: Suurustunnused ja abimõõtmised
Size designation of clothes - Part 2: Primary and secondary dimensions

Keel: en, et
Alusdokumendid: EN 13402-2:2002
Standardi staatus: Kehtetu

65 PÖLLUMAJANDUS

EVS-EN ISO 22867:2011

Metsandus- ja aiandusmasinad. Sisepõlemismootoriga kaasaskantavad käsi-metsatöömashinad. Vibratsioonikatsekoodiks. Käepidemete vibratsiooni mõõtmine (ISO 22867:2011)
Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2011)

Keel: en
Alusdokumendid: ISO 22867:2011; EN ISO 22867:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 22867:2021
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 12873-2:2005

Influence of materials on water intended for human consumption - Influence due to migration - Part 2: Test method for nonmetallic and non-cementitious site-applied materials

Keel: en
Alusdokumendid: EN 12873-2:2005
Asendatud järgmise dokumendiga: EVS-EN 12873-2:2021
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN ISO 24443:2012

Determination of sunscreen UVA photoprotection in vitro (ISO 24443:2012)

Keel: en
Alusdokumendid: ISO 24443:2012; EN ISO 24443:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 24443:2021
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 10264-2:2012

Steel wire and wire products - Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications

Keel: en
Alusdokumendid: EN 10264-2:2012
Asendatud järgmise dokumendiga: EVS-EN 10264-2:2021
Standardi staatus: Kehtetu

EVS-EN 13411-4:2011

Terastraadist trosside otsmuhvid. Ohutus. Osa 4: Metall- ja polümeerliitmikud
Terminations for steel wire ropes - Safety - Part 4: Metal and resin socketing

Keel: en
Alusdokumendid: EN 13411-4:2011
Asendatud järgmise dokumendiga: EVS-EN 13411-4:2021
Standardi staatus: Kehtetu

EVS-EN ISO 2566-1:2000

Teras. Suhtelise pikenemise väärtuste ümberarvestamine. Osa 1: Süsinikterased ja madallegeerterased
Steel - Conversion of elongation values - Part 1: Carbon and low alloy steels

Keel: en
Alusdokumendid: ISO 2566-1:1984; EN ISO 2566-1:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 2566-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 2566-2:2000

Teras. Suhtelise pikenemise väärtuste ümberarvestamine. Osa 2: Austeniitersed
Steel - Conversion of elongation values - Part 2: Austenitic steels

Keel: en
Alusdokumendid: ISO 2566-2:1984; EN ISO 2566-2:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 2566-2:2021
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

EVS-EN ISO 19085-3:2017

Puidutöötlemismasinate Ohutus. Osa 3: Arvjuhtimisega puurid ja profiilreesid Woodworking machines - Safety requirements - Part 3: Numerically controlled (NC) boring and routing machines (ISO 19085-3:2017)

Keel: en
Alusdokumendid: ISO 19085-3:2017; EN ISO 19085-3:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-3:2021
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-4:2000

Plastid. Tõmbeomaduste määramine. Osa 4: Isotroopse ja ortotroopse kiudarmatuuri plastkomposiitide katsetingimused Plastics - Determination of tensile properties - Part 4: test conditions for isotropic and orthotropic fibre-reinforced plastic composites

Keel: en
Alusdokumendid: ISO 527-4:1997; EN ISO 527-4:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 527-4:2021
Standardi staatus: Kehtetu

85 PABERITEHNOLOOGIA

EVS-EN 27213:2000

Tehnilised tselluloosid. Proovide võtmine teimimiseks Pulps - Sampling for testing

Keel: en
Alusdokumendid: ISO 7213:1981; EN 27213:1993
Asendatud järgmise dokumendiga: EVS-EN ISO 7213:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

CEN/TS 1555-7:2013

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 7: Guidance for the assessment of conformity

Keel: en
Alusdokumendid: CEN/TS 1555-7:2013
Asendatud järgmise dokumendiga: CEN/TS 1555-7:2021
Standardi staatus: Kehtetu

EVS 894:2008

Loomulik valgustus elu- ja bürooruumides Daylight in dwellings and offices

Keel: et
Muudetud järgmise dokumendiga: EVS 894:2008/A1:2010
Muudetud järgmise dokumendiga: EVS 894:2008/A2:2015
Standardi staatus: Kehtetu

EVS 894:2008/A1:2010

Loomulik valgustus elu- ja bürooruumides Daylight in dwellings and offices

Keel: et
Standardi staatus: Kehtetu

EVS 894:2008/A2:2015

Loomulik valgustus elu- ja bürooruumides Daylight in dwellings and offices

Keel: et
Standardi staatus: Kehtetu

EVS 894:2008+A1:2010

Loomulik valgustus elu- ja bürooruumides KONSOLIDEERITUD TEKST Daylight in dwellings and offices CONSOLIDATE TEXT

Keel: et
Alusdokumendid: EVS 894:2008+EVS 894:2008/A1:2010
Standardi staatus: Kehtetu

EVS 894:2008+A2:2015

Loomulik valgustus elu- ja bürooruumides Daylight in dwellings and offices

Keel: et
Alusdokumendid: EVS 894:2008; EVS 894:2008/A2:2015; EVS 894:2008/A1:2010
Standardi staatus: Kehtetu

EVS 938:2019

Päevavalgus hoonetes. Insolatsiooni arvutamisel kasutatav kuupäev Daylight in buildings - The date for calculation of the insulation.

Keel: et
Standardi staatus: Kehtetu

EVS-EN 12418:2000+A1:2009

Müüritis- ja kivitükelduspingid tööobjektil. Ohutus KONSOLIDEERITUD TEKST Masonry and stone cutting-off machines for job site - Safety CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12418:2000+A1:2009
Asendatud järgmise dokumendiga: EVS-EN 12418:2021
Standardi staatus: Kehtetu

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

Keel: en, et
Alusdokumendid: EN 12453:2017
Asendatud järgmise dokumendiga: EVS-EN 12453:2017+A1:2021
Standardi staatus: Kehtetu

EVS-EN 1366-11:2018

Fire resistance tests for service installations - Part 11: Fire protective systems for cable systems and associated components

Keel: en
Alusdokumendid: EN 1366-11:2018
Asendatud järgmise dokumendiga: EVS-EN 1366-11:2018+A1:2021
Standardi staatus: Kehtetu

EVS-EN 13941-1:2019

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 1: Design

Keel: en
Alusdokumendid: EN 13941-1:2019
Asendatud järgmise dokumendiga: EVS-EN 13941-1:2019+A1:2021
Standardi staatus: Kehtetu

EVS-EN 13941-2:2019

District heating pipes - Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks - Part 2: Installation

Keel: en
Alusdokumendid: EN 13941-2:2019
Asendatud järgmise dokumendiga: EVS-EN 13941-2:2019+A1:2021

Standardi staatus: Kehtetu

EVS-EN 1527:2019

Building hardware - Hardware for sliding doors and folding doors - Requirements and test methods

Keel: en

Alusdokumendid: EN 1527:2019

Asendatud järgmise dokumendiga: EVS-EN 1527:2019+A1:2021

Standardi staatus: Kehtetu

EVS-EN 15805:2010

Particulate air filters for general ventilation - Standardised dimension

Keel: en

Alusdokumendid: EN 15805:2009

Asendatud järgmise dokumendiga: EVS-EN 15805:2021

Standardi staatus: Kehtetu

EVS-EN 17037:2019

Päevavalgus hoonetes Daylight in buildings

Keel: en, et

Alusdokumendid: EN 17037:2018; EN 17037:2018/AC:2021

Asendatud järgmise dokumendiga: EVS-EN 17037:2019+A1:2021

Parandatud järgmise dokumendiga: EVS-EN 17037:2019/AC:2021

Standardi staatus: Kehtetu

EVS-EN 17037:2019/AC:2021

Päevavalgus hoonetes Daylight in buildings

Keel: en, et

Alusdokumendid: EN 17037:2018/AC:2021

Asendatud järgmise dokumendiga: EVS-EN 17037:2019+A1:2021

Standardi staatus: Kehtetu

EVS-EN 1744-4:2005

Täitematerjalide keemiliste omaduste katsetamine. Osa 4: Bituumensegudes kasutatavate fillerite niiskustundlikkuse määramine

Tests for chemical properties of aggregates - Part 4: Determination of water susceptibility of fillers for bituminous mixtures

Keel: en

Alusdokumendid: EN 1744-4:2005

Asendatud järgmise dokumendiga: EVS-EN 1744-4:2021

Standardi staatus: Kehtetu

93 RAJATISED

CEN/TS 15209:2008

Tactile paving surface indicators produced from concrete, clay and stone

Keel: en

Alusdokumendid: CEN/TS 15209:2008

Asendatud järgmise dokumendiga: CEN/TS 15209:2021

Standardi staatus: Kehtetu

EVS-EN 13848-3:2009

Raudteealased rakendused. Rööbastee. Rööbastee geomeetriline kvaliteet. Osa 3:

Mõõtesüsteemid. Rööbastee ehitus- ja hooldusmasinad

Railway applications - Track - Track geometry quality - Part 3: Measuring systems - Track construction and maintenance machines

Keel: en

Alusdokumendid: EN 13848-3:2009

Asendatud järgmise dokumendiga: EVS-EN 13848-3:2021

Standardi staatus: Kehtetu

EVS-EN 13862:2002+A1:2009

Põranda soonefreesimisemasinad. Ohutus KONSOLIDEERITUD TEKST Floor cutting-off machines - Safety CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 13862:2001+A1:2009
Asendatud järgmise dokumendiga: EVS-EN 13862:2021
Standardi staatus: Kehtetu

EVS-EN 14067-5:2006+A1:2010

Raudteealased rakendused. Aerodünaamika. Osa 5: Nõuded aerodünaamikale tunnelites ning selle katsetamise protseduurid KONSOLIDEERITUD TEKST Railway applications - Aerodynamics - Part 5: Requirements and test procedures for aerodynamics in tunnels CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 14067-5:2006+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 14067-5:2021
Standardi staatus: Kehtetu

EVS-EN 16228-1:2014

Vaiapaigaldus- ja vundamendirajamiseadmed. Ohutus. Osa 1: Üldised nõuded Drilling and foundation equipment - Safety - Part 1: Common requirements

Keel: en
Alusdokumendid: EN 16228-1:2014
Asendatud järgmise dokumendiga: EVS-EN 16228-1:2014+A1:2021
Standardi staatus: Kehtetu

EVS-EN 16228-2:2014

Vaiapaigaldus- ja vundamendirajamiseadmed. Ohutus. Osa 2: Mobiilsed puurtornid tsiviil- ja geotehniliseks ehituseks, lahtiseks ja kinniseks kaevandamiseks Drilling and foundation equipment - Safety - Part 2: Mobile drill rigs for civil and geotechnical engineering, quarrying and mining

Keel: en
Alusdokumendid: EN 16228-2:2014
Asendatud järgmise dokumendiga: EVS-EN 16228-2:2014+A1:2021
Standardi staatus: Kehtetu

EVS-EN 16228-3:2014

Vaiapaigaldus- ja vundamendirajamiseadmed. Ohutus. Osa 3: Suundpuurimisseadmed Drilling and foundation equipment - Safety - Part 3: Horizontal directional drilling equipment (HDD)

Keel: en
Alusdokumendid: EN 16228-3:2014
Asendatud järgmise dokumendiga: EVS-EN 16228-3:2014+A1:2021
Standardi staatus: Kehtetu

EVS-EN 16228-4:2014

Vaiapaigaldus- ja vundamendirajamiseadmed. Ohutus. Osa 4: vundamendirajamiseadmed Drilling and foundation equipment - Safety - Part 4: Foundation equipment

Keel: en
Alusdokumendid: EN 16228-4:2014
Asendatud järgmise dokumendiga: EVS-EN 16228-4:2014+A1:2021
Standardi staatus: Kehtetu

EVS-EN 16228-5:2014

Vaiapaigaldus- ja vundamendirajamiseadmed. Ohutus. Osa 5: Rakistusvaheseinte paigaldusseadmed Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment

Keel: en
Alusdokumendid: EN 16228-5:2014
Asendatud järgmise dokumendiga: EVS-EN 16228-5:2014+A1:2021
Standardi staatus: Kehtetu

EVS-EN 16228-6:2014

Vaiapaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 6: Jugapuurimis-, pinnasvalu- ja injektioonvaluseadmed

Drilling and foundation equipment - Safety - Part 6: Jetting, grouting and injection equipment

Keel: en

Alusdokumendid: EN 16228-6:2014

Asendatud järgmise dokumendiga: EVS-EN 16228-6:2014+A1:2021

Standardi staatus: Kehtetu

EVS-EN 16228-7:2014

Vaiapaigaldus- ja vundamendirajamisseadmed. Ohutus. Osa 7: Vahetatavad abiseadmed

Drilling and foundation equipment - Safety - Part 7: Interchangeable auxiliary equipment

Keel: en

Alusdokumendid: EN 16228-7:2014

Asendatud järgmise dokumendiga: EVS-EN 16228-7:2014+A1:2021

Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 12491:2015

Paragliding equipment - Emergency parachutes - Safety requirements and test methods

Keel: en

Alusdokumendid: EN 12491:2015

Asendatud järgmise dokumendiga: EVS-EN 12491:2015+A1:2021

Standardi staatus: Kehtetu

EVS-EN 203-1:2014

Gaaskuumutusega toitlustusettevõtteseadmed. Osa 1: Üldised ohutusnõuded

Gas heated catering equipment - Part 1: General safety rules

Keel: en

Alusdokumendid: EN 203-1:2014

Asendatud järgmise dokumendiga: EVS-EN 203-1:2021

Parandatud järgmise dokumendiga: EVS-EN 203-1:2014/AC:2016

Standardi staatus: Kehtetu

EVS-EN 203-1:2014/AC:2016

Gaaskuumutusega toitlustusettevõtteseadmed. Osa 1: Üldised ohutusnõuded

Gas heated catering equipment - Part 1: General safety rules

Keel: en

Alusdokumendid: EN 203-1:2014/AC:2016

Asendatud järgmise dokumendiga: EVS-EN 203-1:2021

Standardi staatus: Kehtetu

EVS-EN 203-2-1:2015

Gaaskuumutusega toitlustusettevõtteseadmed. Osa 2-1: Erinõuded. Avatud põletid ja wokipõletid

Gas heated catering equipment - Part 2-1: Specific requirements - Open burners and wok burners

Keel: en

Alusdokumendid: EN 203-2-1:2014

Asendatud järgmise dokumendiga: EVS-EN 203-2-1:2021

Standardi staatus: Kehtetu

EVS-EN 203-2-2:2006

Gaaskuumutusega toitlustusettevõtteseadmed. Osa 2-2: Erinõuded. Praeahjud

Gas heated catering equipment - Part 2-2: Specific requirements - Ovens

Keel: en

Alusdokumendid: EN 203-2-2:2006

Asendatud järgmise dokumendiga: EVS-EN 203-2-2:2021

Standardi staatus: Kehtetu

EVS-EN 203-2-4:2005

Gaaskuumutusega toitlustusettevõtteseadmed. Osa 2-4: Erinõuded. Fritüürid

Gas heated catering equipment - Part 2-4: Specific requirements - Fryers

Keel: en

Alusdokumendid: EN 203-2-4:2005

Asendatud järgmise dokumendiga: EVS-EN 203-2-4:2021

Standardi staatus: Kehtetu

EVS-EN 30-1-1:2008+A3:2013

Kodused gaaskuumutusega toiduvalmistusseadmed. Osa 1-1: Ohutus. Üldist Domestic cooking appliances burning gas - Part 1-1: Safety - General

Keel: en

Alusdokumendid: EN 30-1-1:2008+A3:2013

Asendatud järgmise dokumendiga: EVS-EN 30-1-1:2021

Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A1:2008

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en

Alusdokumendid: IEC 60335-2-105:2004/A1:2008; EN 60335-2-105:2005/A1:2008

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021

Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A11:2010

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en

Alusdokumendid: EN 60335-2-105:2005/A11:2010

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021

Standardi staatus: Kehtetu

EVS-EN 60335-2-105:2005/A2:2020

Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets

Keel: en

Alusdokumendid: IEC 60335-2-105:2004/A2:2013; EN 60335-2-105:2005/A2:2020

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-105:2021

Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en

Alusdokumendid: IEC 60335-2-41:2002; EN 60335-2-41:2003

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021

Asendatud järgmise dokumendiga: FprEN 60335-2-41

Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A1:2004

Muudetud järgmise dokumendiga: EVS-EN 60335-2-41:2003/A2:2010

Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A1:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en

Alusdokumendid: IEC 60335-2-41:2002/A1:2004; EN 60335-2-41:2003/A1:2004

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021

Asendatud järgmise dokumendiga: FprEN 60335-2-41

Standardi staatus: Kehtetu

EVS-EN 60335-2-41:2003/A2:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-41: Erinõuded pumpadele Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps

Keel: en

Alusdokumendid: IEC 60335-2-41:2002/A2:2009; EN 60335-2-41:2003/A2:2010

Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-41:2021

Asendatud järgmise dokumendiga: FprEN 60335-2-41

Standardi staatus: Kehtetu

EVS-EN 613:2001

Iseseisvad gaasiküttega konveksioonkütte seadmed Independent gas-fired convection heaters

Keel: en

Alusdokumendid: EN 613:2000

Asendatud järgmise dokumendiga: EVS-EN 613:2021

Muudetud järgmise dokumendiga: EVS-EN 613:2001/A1:2003

Standardi staatus: Kehtetu

EVS-EN 613:2001/A1:2003

Iseseisvad gaasiküttega konveksioonkütte seadmed Independent gas-fired convection heaters

Keel: en

Alusdokumendid: EN 613:2000/A1:2003

Asendatud järgmise dokumendiga: EVS-EN 613:2021

Standardi staatus: Kehtetu

EVS-EN 926-2:2013

Paragliding equipment - Paragliders - Part 2: Requirements and test methods for classifying flight safety characteristics

Keel: en

Alusdokumendid: EN 926-2:2013

Asendatud järgmise dokumendiga: EVS-EN 926-2:2013+A1:2021

Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast huvitatul 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 arvamusküsitlusele oleva kavandi kohta on esitatud alljärgnev informatsioon:

- tähis;
- pealkiri;
- käsitusala;
- keel (en = inglise; et = eesti);
- Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
- asendusseos, selle olemasolul;
- arvamuste esitamise tähtaeg.

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

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN ISO 23953-1

Refrigerated display cabinets - Part 1: Vocabulary (ISO/DIS 23953-1:2021)

This part of ISO 23953 establishes a vocabulary of terms and definitions relative to refrigerated display cabinets used for the sale and display of foodstuffs. It is not applicable to refrigerated vending machines or cabinets intended for use in catering or similar non-retail applications. NOTE In addition to terms in English and French, two of the three official ISO languages, this part of ISO 23953 gives the equivalent terms in German, Italian, and Spanish; these are published under the responsibility of the member bodies for Germany (DIN), Italy (UNI), and Spain (UNE). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

Keel: en

Alusdokumendid: ISO/DIS 23953-1; prEN ISO 23953-1

Asendab dokumenti: EVS-EN ISO 23953-1:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

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

prEN 9104-003

Aerospace series - Quality management systems - Part 003: Requirements for Aviation, Space, and Defence Auditor Training, Development, Competence, and Authentication

This document defines the minimum requirements for auditors, CBs, Auditor Authentication Bodies (AABs), Training Provider Approval Bodies (TPABs), and Training Providers (TPs) who participate in the IAQG Industry Controlled Other Party (ICOP) scheme. The requirements in this standard supplement those defined within the EN 9104-1, EN 9104-2, ISO/IEC 17021-1, and ISO/IEC 17021-3 standards. Data protection for the parties subject to this document and other relevant requirements of the ICOP scheme are managed via bi-lateral contracts between the joint controllers of the data.

Keel: en

Alusdokumendid: prEN 9104-003

Asendab dokumenti: EVS-EN 9104-003:2010

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 50005

Energy management systems - Guidelines for a phased implementation (ISO 50005:2021)

This document gives guidance for organizations on establishing a phased approach to implement an energy management system (EnMS). This phased approach is intended to support and simplify the implementation of an EnMS for all types of organizations, in particular for small and medium-sized organizations (SMOs). This document gives guidance on the use of twelve core elements with four levels of maturity for each element to establish, implement, maintain and improve an EnMS that results in energy performance improvement. It enables the user of this document to implement a phased approach to achieve a level of energy management appropriate to its objectives and to build a strong foundation which can subsequently be extended towards meeting the requirements of ISO 50001:2018. This document is consistent with ISO 50001:2018 but does not cover all of its requirements.

Keel: en

11 TERVISEHOOLDUS

prEN IEC 60806:2021

Determination of the maximum symmetrical radiation field of X-ray tube assemblies and X-ray source assemblies for medical diagnosis

This International Standard is applicable to X-RAY SOURCE ASSEMBLIES and X-RAY TUBE ASSEMBLIES, for use in MEDICAL DIAGNOSTIC RADIOLOGY for techniques in which the X-RAY PATTERN will be received simultaneously in all points of the IMAGE RECEPTION AREA. This standard specifies a method for the determination of the greatest geometrically symmetrical RADIATION FIELD at a specified distance from the FOCAL SPOT for which the percentage AIR KERMA RATE along the major axes of the RADIATION FIELD does not fall below a permitted value. NOTE 1 AIR KERMA or AIR KERMA RATE are the only practical verifiable physical quantities for X-RAY SOURCES. X-RAY SOURCES must be tested independently from MEDICAL ELECTRICAL SYSTEMS. Conversion to the characteristics of the X-RAY IMAGE RECEPTOR used in a MEDICAL ELECTRICAL SYSTEM may be done in addition. In case multiple FOCAL SPOTS are super-imposed, each focal spot has its own REFERENCE AXIS. Then the maximum RADIATION FIELD may be given for each FOCAL SPOT separately NOTE 2 The maximum symmetrical RADIATION FIELD may change from its initial value as the X-RAY TUBE ages through use. NOTE 3 If, for certain MEDICAL ELECTRICAL SYSTEMS the scope of IEC 60806 does not fit, then the special RADIATION FIELD requirements could be incorporated in the MEDICAL ELECTRICAL SYSTEM particular standard. However, a statement on the RADIATION FIELD while referring IEC 60806 is then no longer possible.

Keel: en

Alusdokumendid: IEC 60806 ED2; prEN IEC 60806:2021

Asendab dokumenti: EVS-EN 60806:2004

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 10943

Ophthalmic instruments - Indirect ophthalmoscopes (ISO/DIS 10943:2021)

ISO 10943:2011 specifies minimum requirements and test methods for hand-held, spectacle-type, and head-worn indirect ophthalmoscopes for observing indirect images of the eye fundus. ISO 10943:2011 is not applicable to condensing lenses used for indirect ophthalmoscopy or to accessories. ISO 10943:2011 is not applicable to table-mounted instruments such as Gullstrand ophthalmoscopes and their derivatives, nor to ophthalmoscopes primarily intended for image capture and/or processing such as those based on scanning laser techniques.

Keel: en

Alusdokumendid: ISO/DIS 10943; prEN ISO 10943

Asendab dokumenti: EVS-EN ISO 10943:2011

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 13408-1

Aseptic processing of health care products - Part 1: General requirements (ISO/DIS 13408-1:2021)

This part of ISO 13408 specifies the general requirements for, and offers guidance on, processes, programs and procedures for development, validation and routine control of aseptic processing of health care products. This part of ISO 13408 includes requirements and guidance relative to the overall topic of aseptic processing. Specific requirements and guidance on various specialized processes and methods related to sterilizing filtration, lyophilization, clean-in place (CIP) technologies, sterilization in place (SIP) and isolator systems are given in other parts of ISO 13408.

Keel: en

Alusdokumendid: ISO/DIS 13408-1; prEN ISO 13408-1

Asendab dokumenti: EVS-EN ISO 13408-1:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 21801-2

Cognitive accessibility - Part 2: Reporting (ISO/DIS 21801-2:2021)

This document establishes requirements for reporting the cognitive accessibility of products and technologies, including: Assistive products, Assistive technologies, Consumer technologies, and Household appliances. This document is intended to increase access to a variety of products. Designers can use this guidance along with any existing standards and accompanying test methods for their products.

Keel: en

Alusdokumendid: ISO/DIS 21801-2; prEN ISO 21801-2

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 22675

Prosthetics - Testing of ankle-foot devices and foot units - Requirements and test methods (ISO/DIS 22675:2021)

This document primarily specifies a cyclic test procedure for ankle-foot devices and foot units of external lower limb prostheses, distinguished by the potential to realistically simulate those loading conditions of the complete stance phase of walking from heel strike to toe-off that are relevant to the verification of performance requirements such as strength, durability and service life. This potential is of particular importance for the assessment of the performance of a variety of recent designs of ankle-foot devices and foot units with specific characteristics that will only develop under realistic conditions of loading. In addition, this document specifies a static test procedure for prosthetic ankle-foot devices and foot units, consisting of a static proof test and a static ultimate strength test, distinguished, besides other features, (see NOTE 2) by the potential to generate heel and forefoot forces at lines of action conforming to those occurring at the instants of maximum heel and forefoot loading during the cyclic test. The loading conditions addressed in the third paragraph are characterized by a loading profile determined by the resultant vector of the vertical and horizontal (A-P) ground reaction forces and by a locomotion profile determined by the tibia angle. The test loading conditions specified in this document are characterized by standardized formats of these loading and locomotion profiles, to be applied by the cyclic and static test procedures to each sample of ankle-foot device or foot unit submitted for test. This document specifies Test Ranges by specifying locomotion profiles for the cyclic test in relation to the intended use. According to the concept of the tests of this International Standard, each sample of ankle-foot device or foot unit submitted for test is, nevertheless, free to develop its individual performance under load. NOTE 1 The lines of action of the heel and forefoot forces generated by the static test procedure for Test Range 4 (R4) specified in this International Standard approach those determining the sagittal plane loading of the test loading conditions I and II for the principal structural tests referring to ISO 10328:2016, without changing the values of the angles of the heel and forefoot platform(s) for the structural tests on ankle-foot devices and foot units specified in ISO 10328:2016

Keel: en

Alusdokumendid: ISO/DIS 22675; prEN ISO 22675

Asendab dokumenti: EVS-EN ISO 22675:2016

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 24072

Aerosol bacterial retention test method for air-inlet on administration devices (ISO/DIS 24072:2021)

This document specifies a test method which is applicable for the assessment on bacterial retention ability of finished air-inlet filters for infusion and transfusion sets as well as transfer devices. Assessment on bacterial retention ability of air filtration membrane materials for infusion and transfusion sets as well as transfer devices may refer to this document.

Keel: en

Alusdokumendid: ISO/DIS 24072; prEN ISO 24072

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 3630-6

Dentistry - Endodontic instruments - Part 6: Number coding system (ISO/DIS 3630-6:2021)

This document specifies the code numbers for specific characteristics of endodontic instruments. This fourteen digit numbers will identify type of instrument, size and taper, length, handle, shank and material.

Keel: en

Alusdokumendid: ISO/DIS 3630-6; prEN ISO 3630-6

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEVS 944

Nõuded puhastamisele tervishoiuasutustes Requirements for cleaning in health care institutions

See standard kirjeldab nõudeid pindade puhastamiseks, kus nakkusohklikud materjalid võivad tekkida ja põhjustada otsest või kaudset levikut. Selle standardi käsitluselasse ei kuulu sellised pinnad nagu lagi, põrand, seinad, mööbel ja esemed, mida antud standardi kriitilised punktid ei hõlma. MÄRKUS Lae, seinte, põranda ja mööbli ning esemete puhtust hinnatakse EVS 914 alusel. Lisas B käsitletakse eritise plekkide (näiteks veri, lima jne) eemaldamist ja desinfitseerimist.

Keel: et

Alusdokumendid: DS 2451-10E:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 60335-2-30:2009/prA13:2021

Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters

Amendment to EN 60335-2-30:2009

Keel: en

Alusdokumendid: EN 60335-2-30:2009/prA13:2021

Muudab dokumenti: EVS-EN 60335-2-30:2010

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1:2020

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1+A12:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

[EN 60335-2-30:2009/prA2:2021](#)

Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters

This European Standard deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also deals with the safety of electric heaters intended for the heating of driver and passenger compartments of motor vehicles when they are stationary, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-30:2009/A2:2021; EN 60335-2-30:2009/prA2:2021

Muudab dokumenti: EVS-EN 60335-2-30:2010

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1:2020

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1+A12:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

[FprEN IEC 60335-2-102:2021/prA11:2021](#)

Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

This European Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance.

Keel: en

Alusdokumendid: FprEN IEC 60335-2-102:2021/prA11:2021

Muudab dokumenti: prEN IEC 60335-2-102:2016

Arvamusküsitluse lõppkuupäev: 28.02.2022

[FprEN IEC 60335-2-80:2015/prA11:2021](#)

Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

This European Standard deals with the safety of electric fans for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: FprEN 60335-2-80:2015/prA11:2021

Muudab dokumenti: FprEN IEC 60335-2-80:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

[prEN 12845-1](#)

Fixed firefighting systems - Automatic sprinkler systems - Part 1: Design, installation and maintenance

This European standard specifies requirements for the design, installation and maintenance of new automatic sprinkler systems as well as any addition, extension, repair or other modification of existing automatic sprinkler systems. In certain countries specific national regulations apply and take precedence over this European Standard. Users of this European Standard are advised to inform themselves of the applicability or non-applicability for this European Standard by their national responsible authorities.

Keel: en

Alusdokumendid: prEN 12845-1

Asendab dokumenti: EVS-EN 12845:2015/AC:2016

Asendab dokumenti: EVS-EN 12845:2015+A1:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

[prEN 1300](#)

Secure storage units - Classification for high security locks according to their resistance to unauthorized opening

This European Standard specifies requirements for high security locks (HSL) for reliability, resistance to burglary and unauthorized opening with methods of testing. It also provides a scheme for classifying HSL in accordance with their assessed resistance to burglary and unauthorized opening. It applies to mechanical and electronic HSL. The following features may be included as optional subjects but they are not mandatory: a) recognized code for preventing code altering and/or enabling/disabling parallel codes; b) recognized code for disabling time set up; c) integration of alarm components or functions; d) remote control duties; e) resistance to attacks with acids; f) resistance to X-rays; g) resistance to explosives; h) time functions.

Keel: en

Alusdokumendid: prEN 1300

Asendab dokumenti: EVS-EN 1300:2018

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 14470-1

Fire safety storage cabinets - Part 1: Safety storage cabinets for flammable liquids

This European Standard is a product specification, giving performance requirements for fire safety cabinets to be used for the storage of flammable liquids. It is applicable to cabinets with a total internal volume of not greater than 2 m³, which may be free standing, restrained to a wall or mounted on plinth or castors. It is not applicable to brick enclosures or walk-in storage rooms. This Standard does not apply to any support frame or mechanism other than the base which is integral to the cabinet. Requirements are given in respect of the construction of the cabinet and its capacity to resist fire conditions on the outside. A classification of cabinets is given, according to the level of fire resistance offered, and a type test is included, see Annex A. The tests described in this European Standard are type tests. This European Standard does not discriminate between different flammable liquids, which may have considerably different physical properties. Attention is drawn to national regulations, which may apply with regards to the storage of flammable liquids.

Keel: en

Alusdokumendid: prEN 14470-1

Asendab dokumenti: EVS-EN 14470-1:2004

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 15725

Extended application reports on the fire performance of construction products and building elements

This European Standard gives the procedures for preparing reports on the extended application process using the results of reaction to fire tests, fire resistance tests and external fire exposure to roof tests undertaken for fire classification of products and product families in accordance with the various parts of EN 13501. This standard makes reference to 'extended application standards' throughout; wherever this term is used it refers to either a standard prepared by CEN/TC 127 'Fire safety in buildings' or the relevant product standard which includes information on extended application. In some cases, where a standard is not yet published, relevant bodies may issue recommendations for use by Notified Bodies in attestation procedures for CE marking under the Construction Products Directive (CPD), <http://ec.europa.eu/enterprise/newapproach/nando/>. The European system currently permits extended application rules to be included in technical specifications. CEN Technical Committees and EOTA Working groups producing these rules are asked to seek the guidance of CEN/TC 127 to ensure that their rules comply with standards prepared by CEN/TC 127. In cases where extended application rules in harmonised EN product standards and ETAs do not comply with standards prepared by CEN/TC 127 the CEN BT shall be informed.

Keel: en

Alusdokumendid: prEN 15725

Asendab dokumenti: EVS-EN 15725:2010

Asendab dokumenti: EVS-EN 15725:2010/AC:2012

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 17255-4

Stationary source emissions — Data acquisition and handling systems — Part 4: Specification of requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems

This document specifies the requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems (DAHS). This includes requirements on — installation (Clause 5) — quality assurance and quality control during QAL2 (Clause 6) — quality assurance and quality control during on-going operation (Clause 7) — annual functional test (Clause 8) This document supports the requirements of EN 14181 and legislation such as the IED, MCPD and E-PRTR. It does not preclude the use of additional features and functions provided the minimum requirements of this European Standard are met and that these features do not adversely affect data quality, clarity or access.

Keel: en

Alusdokumendid: prEN 17255-4

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 17367

Waste Management - Data communication between communication management system and the back office system for stationary waste collection containers - Functional specification and the semantic data model

This document defines the standard for exchanging stationary waste collection container information between the collection container system and the back-office systems. This document defines the way to exchange data between the "Communication Management System" of the collection container and the "Back-Office Systems". The exchange of data between the "Collection Container Systems" and the "Communication Management Systems" or the "Back-Office Systems" is excluded. This document targets two streams of information in the waste processing industry: - The processing of transactions and system information for the deposit of waste from the communication management systems to the back office systems. - The processing of authorization and configuration information from the back-office systems to the communication management systems.

Keel: en

Alusdokumendid: prEN 17367

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60335-2-4:2021

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

IEC 60335-2-4:2021 deals with the safety of stand-alone electric spin extractors and spin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as spin extractors intended to be used by laymen in shops, in light industry and on farms, and spin extractors for communal use in blocks of flats or in laundrettes, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home. Attention is drawn to the fact that: - for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary; - in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities. This standard does not apply to: - appliances intended exclusively for industrial purposes; - appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This seventh edition cancels and replaces the sixth edition published in 2008, Amendment 1:2012 and Amendment 2:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - aligns the text with IEC 60335-1, Ed 5, and its Amendments 1 and 2; - replacement of the term definition of accessible part to include test probe 18; - addition of test probe 18 for accessibility of live parts. This part 2 is to be used in conjunction with the fifth edition of IEC 60335-1:2010 and its amendments.

Keel: en

Alusdokumendid: IEC 60335-2-4:2021; prEN IEC 60335-2-4:2021

Asendab dokumenti: EVS-EN 60335-2-4:2010

Asendab dokumenti: EVS-EN 60335-2-4:2010/A1:2015

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

Asendab dokumenti: EVS-EN 60335-2-4:2010/A2:2019

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60335-2-4:2021/prA11:2021

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

This European Standard with the safety of stand-alone electric spin extractors, and pin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en

Alusdokumendid: prEN IEC 60335-2-4:2021/prA11:2021

Muudab dokumenti: prEN IEC 60335-2-4:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 14644-10

Cleanrooms and associated controlled environments - Part 10: Assessment of surface cleanliness for chemical contamination (ISO/FDIS 14644-10:2021)

This document establishes appropriate testing processes to determine the cleanliness of surfaces in cleanrooms with regard to the presence of chemical compounds or elements (including molecules, ions, atoms and particles). This document is applicable to all solid surfaces in cleanrooms and associated controlled environments such as walls, ceilings, floors, worksurfaces, tools, equipment and devices. NOTE 1 For the purpose of this document, consideration is only given to the chemical characteristics of a particle. The physical properties of the particle are not considered and this document does not cover the interaction between the contamination and the surface. NOTE 2 This document does not include the contamination generation process or any time-dependent influences (e.g. deposition, sedimentation, ageing) or process-dependent activities such as transportation and handling. Neither does it include guidance on statistical quality-control techniques to ensure compliance

Keel: en

Alusdokumendid: ISO/FDIS 14644-10; prEN ISO 14644-10

Asendab dokumenti: EVS-EN ISO 14644-10:2013

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 14644-9

Cleanrooms and associated controlled environments - Part 9: Assessment of surface cleanliness for particle concentration (ISO/FDIS 14644-9:2021)

This document establishes a procedure for the assessment of particle cleanliness levels on solid surfaces in cleanrooms and associated controlled environment applications. Recommendations on testing and measuring methods, as well as information about surface characteristics, are given in Annexes A to D. This document applies to all solid surfaces in cleanrooms and associated controlled environments, such as walls, ceilings, floors, working environments, tools, equipment and products. The procedure for the assessment of surface cleanliness by particle concentration (SCP) is limited to particles of between 0,05 µm and 500 µm. The following issues are not considered in this document: — requirements for the cleanliness and suitability of surfaces for specific processes; — procedures for the cleaning of surfaces; — material characteristics; — references to interactive bonding forces or generation processes that are usually time-dependent and process-dependent; — selection and

use of statistical methods for assessment and testing; — other characteristics of particles, such as electrostatic charge, ionic charges, and microbiological state.

Keel: en

Alusdokumendid: ISO/FDIS 14644-9; prEN ISO 14644-9

Asendab dokumenti: EVS-EN ISO 14644-9:2012

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 4484-3

Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method (ISO/DIS 4484-3:2021)

This document specifies a method of measurement of the collected material mass released from outlet of washing machine described in ISO 6330 during washing of textile end products by a washing condition indicated by care label of ISO 3758. If the countries use the own care label system, set the washing condition indicated by the care label. This document applies to all textile end products which are composed of all fibres such as natural fibres, and man-made fibres, including mixture of the fibres. The textile end products applied for this test method are clothing, garments, such as fleece, shirts, trousers, blouse, etc., and home textile end products, such as, blankets, rugs, curtains, etc. This document is not applicable to fabrics and cut textile products, and the test for washing machines and detergents as well.

Keel: en

Alusdokumendid: ISO/DIS 4484-3; prEN ISO 4484-3

Arvamusküsitluse lõppkuupäev: 28.02.2022

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

prEN ISO 11819-1

Acoustics - Measurement of the influence of road surfaces on traffic noise - Part 1: Statistical Pass-By method (ISO/DIS 11819-1:2021)

This document specifies a method of comparing traffic noise on different road surfaces for various compositions of road traffic for the purpose of evaluating different road surface types. Sound levels representing either light or heavy vehicles at selected speeds are assigned to a certain road surface. The method is applicable to traffic travelling at constant speed, i.e. free-flowing conditions at posted speeds of 50 km/h and upwards. For conditions where traffic is not free flowing, such as at junctions and where the traffic is congested, the method is not applicable. A standard method for comparing the noise characteristics of road surfaces gives road and environment authorities a tool for establishing common practices or limits regarding the use of road surfaces meeting certain noise criteria. However, it is not within the scope of ISO 11819-series to suggest such criteria. The Statistical Pass-By (SPB) method is suitable for use for the following main purposes: — to classify road surfaces according to their influence on traffic noise (surface classification).; — to assist in verifying conformity of production of road surfaces; — to evaluate acoustic performance of road surfaces throughout operation relative to new condition; — to evaluate the influence of different road surfaces on traffic noise at sites irrespective of condition and service time; — to evaluate acoustic performance of a road surface relative to a reference surface. Due to practical restrictions, the method cannot be applied at all possible locations. However, the backing board method can allow some locations to be tested that were not previously acceptable. Clause 5 gives a general description of the SPB method.

Keel: en

Alusdokumendid: ISO/DIS 11819-1; prEN ISO 11819-1

Asendab dokumenti: EVS-EN ISO 11819-1:2002

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 5167-5

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 5: Cone meters (ISO/DIS 5167-5:2021)

ISO 5167-5:2016 specifies the geometry and method of use (installation and operating conditions) of cone meters when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. As the uncertainty of an uncalibrated cone meter might be too high for a particular application, it might be deemed essential to calibrate the flow meter in accordance with Clause 7. ISO 5167-5:2016 also provides background information for calculating the flow rate and is applicable in conjunction with the requirements given in ISO 5167-1. ISO 5167-5:2016 is applicable only to cone meters in which the flow remains subsonic throughout the measuring section and where the fluid can be considered as single-phase. Uncalibrated cone meters can only be used within specified limits of pipe size, roughness, β , and Reynolds number. This part of ISO 5167 is not applicable to the measurement of pulsating flow. It does not cover the use of uncalibrated cone meters in pipes sized less than 50 mm or more than 500 mm, or where the pipe Reynolds numbers are below 8×10^4 or greater than $1,2 \times 10^7$. A cone meter is a primary device which consists of a cone-shaped restriction held concentrically in the centre of the pipe with the nose of the cone upstream. The design of cone meter defined in this part of ISO 5167 has one or more upstream pressure tappings in the wall, and a downstream pressure tapping positioned in the back face of the cone with the connection to a differential pressure transmitter being a hole through the cone to the support bar, and then up through the support bar. Alternative designs of cone meters are available; however, at the time of writing, there is insufficient data to fully characterize these devices, and therefore, these meters shall be calibrated in accordance with Clause 7.

Keel: en

Alusdokumendid: ISO/DIS 5167-5; prEN ISO 5167-5

Asendab dokumenti: EVS-EN ISO 5167-5:2016

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 5167-6

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full - Part 6: Wedge meters (ISO/DIS 5167-6:2021)

This document specifies the geometry and method of use (installation and operating conditions) of wedge meters when they are inserted in a conduit running full to determine the flow rate of the fluid flowing in the conduit. NOTE 1 As the uncertainty of an uncalibrated wedge meter can be too large for a particular application, it could be deemed essential to calibrate the flow meter according to Clause 7. This document gives requirements for calibration which, if applied, are for use over the calibrated Reynolds number range. Clause 7 could also be useful guidance for calibration of meters of similar design but which fall outside the scope of this document. It also provides background information for calculating the flow rate and is applicable in conjunction with the requirements given in ISO 5167-1. This document is applicable only to wedge meters in which the flow remains subsonic throughout the measuring section and where the fluid can be considered as single-phase. Uncalibrated wedge meters can only be used within specified limits of pipe size, roughness, beta (or wedge ratio) and Reynolds number. It is not applicable to the measurement of pulsating flow. It does not cover the use of uncalibrated wedge meters in pipes whose internal diameter is less than 50 mm or more than 600 mm, or where the pipe Reynolds numbers are below 1×10^4 . NOTE 2 A wedge meter has a primary element which consists of a wedge-shaped restriction of a specific geometry. Alternative designs of wedge meters are available; however, at the time of writing there is insufficient data to fully characterize these devices, and therefore these meters are calibrated in accordance with Clause 7.

Keel: en

Alusdokumendid: ISO/DIS 5167-6; prEN ISO 5167-6

Asendab dokumenti: EVS-EN ISO 5167-6:2019

Arvamusküsitluse lõppkuupäev: 28.02.2022

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN 13001-3-8

Cranes - General design - Limit states and proof competence of machinery - Part 3-8: Shafts

This document is intended to be used together with the other generic parts of the EN 13001 series of standards, see Annex C, and as such, they specify general conditions, requirements and methods to prevent mechanical hazards of cranes by design and theoretical verification. Specific requirements for particular types of cranes are given in the appropriate European standard for the particular crane type. This document covers specific shafts and rotating or non-rotating axles as an integrated part of cranes, that are not dealt with by other EN 13001 standards (e.g. pinned connections in EN 13001-3-1). It is not applicable to shafts or axles being part of standard equipment (e.g. gearboxes, motors). The significant hazardous situations and hazardous events that could result in risks to persons during intended use and reasonably foreseeable misuse are identified by Annex D. Clauses 4 to 7 of this document are necessary to reduce or eliminate these risks. Clauses 4 to 7 of this document are necessary to reduce or eliminate these risks associated with the following hazards: - exceeding the limits of strength (yield, ultimate, fatigue); - exceeding temperature limits of material or components. This standard does not deal with the proofs of strength of welded and cast shafts. This document is not applicable to cranes that are manufactured before the date of its publication as EN and serves as reference base for the European standards for particular crane types (see Annex C). NOTE prEN 13001-3-8:2021 deals only with limit state method in accordance with EN 13001-1:2015.

Keel: en

Alusdokumendid: prEN 13001-3-8

Arvamusküsitluse lõppkuupäev: 28.02.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 1852-1:2018/prA1

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene (PP) - Part 1: Specifications for pipes, fittings and the system

This part of EN 1852 specifies the requirements for solid wall pipes with smooth internal and external surfaces extruded from the same compound/formulation throughout the wall, fittings and the system of polypropylene (PP) piping systems intended for use for: - non-pressure underground drainage and sewerage outside the building structure (application area code "U"), and - non-pressure underground drainage and sewerage for both buried in ground within the building structure (application area code "D") and outside the building structure. This is reflected in the marking of products by "U" and "UD". This standard covers PP materials without mineral modifiers. It also specifies the test parameters for the test methods referred to in this standard. NOTE 1 Solid wall multilayer pipes with different formulation throughout the wall and foamed core pipes are covered by EN 13476-2 [1] (see also CEN ISO/TR 27165 [2]). This standard covers a range of nominal sizes, and pipe series and gives recommendations concerning colours. NOTE 2 It is the responsibility of the purchaser or specifier to make the appropriate selection from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. In conjunction with CEN/TS 1852-2, it is applicable to PP pipes and fittings, their joints and to joints with components of other plastics and non-plastics materials intended to be used for buried piping systems for non-pressure underground drainage and sewerage. The fittings can be manufactured by injection-moulding or be fabricated from pipes and/or mouldings. NOTE 3 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex C can be connected to pipes and fittings conforming to this standard, when they conform to the requirements for joint dimensions given in Clause 6 and to the requirements of Table 14.

Keel: en

Alusdokumendid: EN 1852-1:2018/prA1

Muudab dokumenti: EVS-EN 1852-1:2018

Arvamusküsitluse lõppkuupäev: 28.02.2022

FprEN IEC 60335-2-80:2015/prA11:2021

Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

This European Standard deals with the safety of electric fans for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en

Alusdokumendid: FprEN 60335-2-80:2015/prA11:2021

Muudab dokumenti: FprEN IEC 60335-2-80:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 1092-3

Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 3: Copper alloy flanges

This document specifies requirements for circular copper alloy flanges and copper alloy collars combined with loose steel plate flanges in PN designations from PN 6 to PN 40 and nominal sizes from DN 10 to DN 1800 in the types shown in Table 1. This document also specifies dimensions and tolerances, materials and their associated pressure/temperature (p/T) ratings, flange facings and related surface finish, weld repairs, and marking, together with information on bolting, gaskets, application/installation and approximate flange masses. The flanges specified, with the exception of integral (type 21) flanges, are for attachment to copper or copper alloy tubes in accordance with EN 12449. NOTE 1 When the flanges specified in this document are required for use with copper or copper alloy tubes to EN 1057 in those tube diameters which are different to EN 12449, this should be agreed between the equipment manufacturer and the flange manufacturer. NOTE 2 The size of copper and copper alloy tubes is designated by reference to the outside diameter in millimetres. NOTE 3 See also Annex B. NOTE 4 Non-gasketed pipe joints are outside the scope of this document.

Keel: en

Alusdokumendid: prEN 1092-3

Asendab dokumenti: EVS-EN 1092-3:2003

Asendab dokumenti: EVS-EN 1092-3:2003/AC:2007

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 14758-1

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system

This document specifies the requirements for solid-wall pipes and fittings with or without internal and/or external skin, and the system of piping systems made from mineral modified polypropylene materials (PP-MD) in the field of non-pressure underground drainage and sewerage outside the building structure (application area code "U"), and non pressure underground drainage and sewerage for both buried in ground within the building structure (application area code "D") and outside the building structure. NOTE 1 The skins are made of PP compound without mineral modifier. This is reflected in the marking of products by "U" and "UD". It also specifies the test parameters for the test methods referred to in this document. This document covers a range of nominal sizes, a range of pipe series/stiffness classes and gives recommendations concerning colours. NOTE 2 It is the responsibility of the purchaser or specifier to make the appropriate selection from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. In conjunction with Part 2 of EN 14758 (see Foreword) it is applicable to PP-MD pipes and fittings, their elastomeric sealing ring joints and to joints with components of other plastics and non-plastics materials intended to be used for buried piping systems for non-pressure underground drainage and sewerage. This document is applicable to PP-MD pipes with or without an integral socket. NOTE 3 The fittings can be manufactured by injection-moulding or be fabricated from pipes and/or mouldings. NOTE 4 Requirements and limiting values for application area code "D" are given in Table 4, Table 7 and Table 13. NOTE 5 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex B can be used with pipes and fittings conforming to this document, when they conform to the requirements for joint dimensions given in Clause 6 and to the requirements of Table 13.

Keel: en

Alusdokumendid: prEN 14758-1

Asendab dokumenti: EVS-EN 14758-1:2012

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 15542

Ductile iron pipes, fittings and accessories - External cement mortar coating for pipes - Requirements and test methods

This document defines the requirements and test methods applicable to factory applied cement mortar coatings for the external corrosion protection of ductile iron pipes conforming to EN 545, EN 598 and EN 969 for use at operating temperatures up to 50 °C. NOTE Coatings according to this document are suitable for soils of all common corrosion loads and trenchless applications. Special activities on site such as joint protection, tapping, clamping, etc. could affect the corrosion protection properties of the cement mortar coating. These operations should be covered in the laying instructions supplied by the manufacturers of pipes, clamps, house connection saddles, etc. and any relevant users' procedures. Such instructions are not part of this document.

Keel: en
Alusdokumendid: prEN 15542
Asendab dokumenti: EVS-EN 15542:2008

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 1759-3

Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, Class designated - Part 3: Copper alloy flanges

This European Standard specifies requirements for circular copper alloy flanges and copper alloy collars combined with loose steel plate flanges in Class designations Class 150 and Class 300 and nominal sizes from DN 10 to DN 900 (NPS ½ to NPS 36) in the types shown in Table 1. This standard also specifies dimensions and tolerances, materials and their associated pressure/temperature (p/T) ratings, flange facings and related surface finish, weld repairs and marking together with information on bolting, gaskets, application and installation and approximate flange masses. The flanges specified, with the exception of integral (type 21) flanges, are for attachment to copper or copper alloy tubes in accordance with EN 12449. NOTE 1 The size of copper and copper alloy tubes is designated by reference to the outside diameter in millimetres. NOTE 2 See also Annex B. NOTE 3 Non-gasketed pipe joints are outside the scope of this standard.

Keel: en
Alusdokumendid: prEN 1759-3
Asendab dokumenti: EVS-EN 1759-3:2003

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 1759-4

Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, Class designated - Part 4: Aluminium alloy flanges

This document specifies requirements for Class designated circular flanges for pipes, valves, fittings and accessories made from aluminium alloy in the range of DN 15 to DN 600 (NPS 1/2 to NPS 24) and Class 150 to Class 300 (see Table 1). This document specifies the types of flanges and their facings, dimensions and tolerances, bolt sizes, surface finish of jointing faces, marking and materials together with associated pressure temperature (p/T) ratings. The flanges are intended to be used for piping as well as for pressure vessels.

Keel: en
Alusdokumendid: prEN 1759-4
Asendab dokumenti: EVS-EN 1759-4:2003

Arvamusküsitluse lõppkuupäev: 28.02.2022

25 TOOTMISTEHNOLLOOGIA

prEN ISO 10447

Resistance welding - Testing of welds - Peel and chisel testing of resistance spot and projection welds (ISO/DIS 10447:2021)

This document specifies the procedures and recommended tooling to be used for peel and chisel testing of resistance spot and embossed projection welds. This document applies to welds made in two or more sheets in the thickness range of 0,5 mm to 3,0 mm. The aim of these tests is to determine — weld size and failure type when welds are destructively tested, and — verification of welds by non-destructive chisel tests. NOTE The preferred method of peel testing seam welds (mechanized peel testing) is covered in ISO 14270.

Keel: en
Alusdokumendid: ISO/DIS 10447; prEN ISO 10447
Asendab dokumenti: EVS-EN ISO 10447:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-1

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 1: Validation of materials and insulation systems (ISO/DIS 12736-1:2021)

This document defines the minimum requirements for validation of wet thermal insulation systems applied to pipelines and subsea equipment in the petroleum and natural gas industries. This document is applicable to wet thermal insulation systems submerged in seawater. This document is not applicable to: — maintenance works on existing installed wet thermal insulation systems; — qualification for anti-corrosion coating; — thermal insulation in the annulus of a steel pipe-in-pipe system.

Keel: en
Alusdokumendid: ISO/DIS 12736-1; prEN ISO 12736-1
Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-2

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 2: Qualification processes for production and application procedures (ISO/DIS 12736-2:2021)

This document defines the minimum requirements for project specific product and process qualification of wet thermal insulation systems applied to pipelines in a factory setting and subsea equipment in the petroleum and natural gas industries. This document is not applicable to: — pre-fabricated sections; — thermal insulation in the annulus of a steel pipe-in-pipe system; — maintenance works on existing installed wet thermal insulation systems; — project qualification of anticorrosion coatings or the requirements for application thereof.

Keel: en

Alusdokumendid: ISO/DIS 12736-2; prEN ISO 12736-2

Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-3

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 3: Interfaces between systems, field joint system, field repairs and prefabricated insulation (ISO/DIS 12736-3:2021)

This document defines the minimum requirements for project specific product and process qualification of field applied wet thermal insulation system applied at interfaces (e.g. field joints) and pre-fabricated insulation in the petroleum and natural gas industries. This document is applicable to wet thermal insulation systems submerged in seawater. This document is not applicable to: — the project qualification of anticorrosion coatings or the requirements for application thereof; — thermal insulation in the annulus of a steel pipe-in-pipe system.

Keel: en

Alusdokumendid: ISO/DIS 12736-3; prEN ISO 12736-3

Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 4530

Vitreous and porcelain enamelled manufactured articles - Determination of resistance to heat (ISO/DIS 4530:2021)

This document specifies the basic conditions concerning the method for determining the resistance of vitreous and porcelain enamelled articles to heat. The method specified is applicable to vitreous and porcelain enamelled articles that will, in service, be subjected to high temperature, for example to some cooker components, exhaust pipe silencers, gas heating chimneys and flue pipes.

Keel: en

Alusdokumendid: ISO/DIS 4530; prEN ISO 4530

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO/ASTM 52902

Additive manufacturing - Test artifacts - Geometric capability assessment of additive manufacturing systems (ISO/ASTM DIS 52902:2021)

This document covers the general description of benchmarking test piece geometries along with quantitative and qualitative measurements to be taken on the benchmarking test piece(s) to assess the performance of additive manufacturing (AM) systems. This performance assessment can serve the following two purposes: — AM system capability evaluation; — AM system calibration. The benchmarking test piece(s) is (are) primarily used to quantitatively assess the geometric performance of an AM system. This document describes a suite of test geometries, each designed to investigate one or more specific performance metrics and several example configurations of these geometries into test piece(s). It prescribes quantities and qualities of the test geometries to be measured but does not dictate specific measurement methods. Various user applications can require various grades of performance. This document discusses examples of feature configurations, as well as measurement uncertainty requirements, to demonstrate low and high grade examination and performance. This document does not discuss a specific procedure or machine settings for manufacturing a test piece, which are covered by ASTM F 2971 and other relevant process specific specifications.

Keel: en

Alusdokumendid: ISO/ASTM DIS 52902; prEN ISO/ASTM 52902

Asendab dokumenti: EVS-EN ISO/ASTM 52902:2019

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO/ASTM 52909

Additive manufacturing - Finished part properties - Orientation and location dependence of mechanical properties for metal powder bed fusion (ISO/ASTM DIS 52909:2021)

This standard covers supplementary guidelines for evaluation of mechanical properties including static/quasi-static and dynamic testing of metals made by additive manufacturing in an effort to standardize terminology that should be used when reporting results from testing of directly printed samples and/or those excised from printed parts made by this technique. The standards

listed in the draft are currently being used for conventionally processed materials (e.g. cast, rolled, wrought) and serve as a guideline for this supplement

Keel: en

Alusdokumendid: ISO/ASTM DIS 52909; prEN ISO/ASTM 52909

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO/ASTM 52911-3

Additive Manufacturing - Design - Part 3: Electron beam powder bed fusion of metals (ISO/ASTM 52911-3:2021)

This document specifies the features of electron beam powder bed fusion of metals (EB-PBF-M) and provides detailed design recommendations. Some of the fundamental principles are also applicable to other additive manufacturing (AM) processes, provided that due consideration is given to process-specific features. This document also provides a state of the art review of design guidelines associated with the use of powder bed fusion (PBF) by bringing together relevant knowledge about this process and by extending the scope of ISO/ASTM 52910.

Keel: en

Alusdokumendid: ISO/ASTM DIS 52911-3; prEN ISO/ASTM 52911-3

Arvamusküsitluse lõppkuupäev: 28.02.2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 16905-2

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

This part of prEN 16905 specifies the safety requirements, the safety test conditions and the safety test methods of gas-fired endothermic engine driven heat pumps for heating and/or cooling mode including the engine heat recovery, to be used outdoors. This document specifies minimum operating requirements which ensure that the products are fit for the use designated by the manufacturer when used for space heating and/or cooling. This document is to be used in conjunction with: a) the terms and conditions, EN 16905-1:2017; b) the test conditions, EN 16905-3:2017; c) the test methods, EN 16905-4:2017; d) the calculation of seasonal performances in heating and cooling mode, EN 16905-5:2017; e) the heat pump, prEN 14511-4:2021, EN 378-1:2016+A1:2020, EN 378-2:2016, EN 378 3:2016+A1:2020, EN 378-4:2016+A1:2019 and EN 14825:2018; f) electrical safety, EN 60335-1:2012, EN 60335-2-102:2016, EN 60335-2-40:20032 and EN 60204 1:2018. This document only applies to GEHP appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions. This document only applies to GEHP appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437:2021. This document only applies to GEHP appliances: a) that have gas fired endothermic engines under the control of fully automatic control systems; b) that have closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated; c) where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation; d) where the maximum operating pressure in the: 1) heating water circuit (if installed) does not exceed 6 bar; 2) domestic hot water circuit (if installed) does not exceed 10 bar. This document applies to GEHP appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery. This document is applicable to GEHP appliances that are intended to be type tested. Requirements for GEHP appliances that are not type tested would need to be subject to further consideration.

Keel: en

Alusdokumendid: prEN 16905-2

Asendab dokumenti: EVS-EN 16905-2:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 50005

Energy management systems - Guidelines for a phased implementation (ISO 50005:2021)

This document gives guidance for organizations on establishing a phased approach to implement an energy management system (EnMS). This phased approach is intended to support and simplify the implementation of an EnMS for all types of organizations, in particular for small and medium-sized organizations (SMOs). This document gives guidance on the use of twelve core elements with four levels of maturity for each element to establish, implement, maintain and improve an EnMS that results in energy performance improvement. It enables the user of this document to implement a phased approach to achieve a level of energy management appropriate to its objectives and to build a strong foundation which can subsequently be extended towards meeting the requirements of ISO 50001:2018. This document is consistent with ISO 50001:2018 but does not cover all of its requirements.

Keel: en

Alusdokumendid: ISO 50005:2021; prEN ISO 50005

Arvamusküsitluse lõppkuupäev: 28.02.2022

29 ELEKTROTEHNIKA

EN 60079-5:2015/prA1:2021

Explosive atmospheres - Part 5: Equipment protection by powder filling "q"

Amendment to EN 60079-5:2015

Keel: en
Alusdokumendid: IEC 60079-5/AMD1 ED4; EN 60079-5:2015/prA1:2021
Muudab dokumenti: EVS-EN 60079-5:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60674-3-4:2021

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheets 4: Polyimide films used for electrical insulation

This International Standard gives the requirements for polyimide films used for electrical purposes. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application should be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. Safety warning: it is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel: en
Alusdokumendid: IEC 60674-3-4 ED2; prEN IEC 60674-3-4:2021
Asendab dokumenti: EVS-EN 60674-3-4:2002

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60700-3:2021

Thyristor valves for high voltage direct current (HVDC) power transmission - Part 3: Essential ratings (limiting values) and characteristics

This part of IEC 60700 specifies the service conditions, the definitions of essential ratings and characteristics of thyristor valves utilized in line commutated converters with three-phase bridge connections to realize the conversion from AC to DC and vice versa for high voltage direct current (HVDC) power transmission applications. It is applicable for air insulated, liquid cooled and indoor thyristor valves.

Keel: en
Alusdokumendid: IEC 60700-3 ED1; prEN IEC 60700-3:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

prHD 60364-7-706:2021

Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement

The particular requirements of this part of IEC 60364 apply to: - fixed equipment within conducting locations with restricted movement; and - supplies to equipment used within conducting locations with restricted movement.

Keel: en
Alusdokumendid: IEC 60364-7-706 ED3; prHD 60364-7-706:2021
Asendab dokumenti: EVS-HD 60364-7-706:2007
Asendab dokumenti: EVS-HD 60364-7-706:2007/A1:2020
Asendab dokumenti: EVS-HD 60364-7-706:2007+A1:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

31 ELEKTROONIKA

prEN IEC 63364-1:2021

Semiconductor devices - Semiconductor devices for IOT system - Part 1: Test method of sound variation detection

This part of IEC 63364-1 provides terms, test method, and report of sound variation detection system based on IoT. It provides the evaluation method for each part of the sound variation detection system based on IoT in the block diagram, the characterization parameters, symbols, test setups and the conditions. In addition, this document defines the configuration items and criteria of standard space and firing situation for the quality evaluation measurement of sound field variation detection system with IoT.

Keel: en
Alusdokumendid: IEC 63364-1 ED1; prEN IEC 63364-1:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

33 SIDETEHNIKA

prEN 13757-8

Communication systems for meters - Part 8: Adaptation layer

This document describes the functionalities and specifies the requirements of an Adaptation Layer to be applied when transporting M-Bus upper layers using a wireless communication protocol other than Wireless M-Bus. These alternative radio technologies developed outside CEN/TC 294 could be based on Internet Protocol or not and operate either in licensed or unlicensed frequency bands.

Keel: en
Alusdokumendid: prEN 13757-8

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-1 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview

The present document gives an introduction and overview of the complete Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document contains an abstract of the other parts of the DECT standard together with a general description of: • the objectives of the present document; • the DECT Common Interface; • the protocol architecture of DECT. The present document also provides an extensive vocabulary; in particular it contains the common definitions of all the technical terms used in different parts of the present document. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements. The present document includes DECT Evolution.

Keel: en
Alusdokumendid: Draft ETSI EN 300 175-1 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-2 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the physical channel arrangements. DECT physical channels are radio communication paths between two radio end points. A radio end point is either part of the fixed infrastructure, a privately owned Fixed Part (FP), typically a base station, or a Portable Part (PP), typically a handset. The assignment of one or more particular physical channels to a call is the task of higher layers. The Physical Layer (PHL) interfaces with the Medium Access Control (MAC) layer, and with the Lower Layer Management Entity (LLME). On the other side of the PHL is the radio transmission medium which has to be shared extensively with other DECT users and a wide variety of other radio services. The tasks of the PHL can be grouped into five categories: a) to modulate and demodulate radio carriers with a bit stream of a defined rate to create a radio frequency channel; b) to acquire and maintain bit and slot synchronization between transmitters and receivers; c) to transmit or receive a defined number of bits at a requested time and on a particular frequency; d) to add and remove the synchronization field and the Z-field used for rear end collision detection; e) to observe the radio environment to report signal strengths. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements.

Keel: en
Alusdokumendid: Draft ETSI EN 300 175-2 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-3 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the Medium Access Control (MAC) layer. The MAC layer is part 3 of the DECT Common Interface standard and layer 2a of the DECT protocol stack. It specifies three groups of MAC services: • the broadcast message control service; • the connectionless message control service; and • the multi-bearer control service. It also specifies the logical channels that are used by the above mentioned services, and how they are multiplexed and mapped into the Service Data Units (SDUs) that are exchanged with the Physical Layer (PHL). (3) Network layer C-plane/Network layer U-plane (2b) DLC layer C-plane/DLC layer U-plane (2a) MAC layer (1) Physical layer Figure 1.1: The DECT protocol stack The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements.

Keel: en
Alusdokumendid: Draft ETSI EN 300 175-3 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-4 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the Data Link Control (DLC) layer. The DLC layer is part 4 of the DECT CI standard and layer 2b of the DECT protocol stack. (3) Network layer C-plane/Network layer U-plane (2b) DLC layer C-plane/DLC layer U-plane (2a) MAC layer (1) Physical layer Figure 1.1 Two planes of operation are specified for this DLC (sub)layer. These planes are called the Control plane (C-plane) and the User plane (U-plane). The C-plane is mostly concerned with the DECT signalling aspects. It provides a reliable point-to-point service that uses a link access protocol to offer error protected transmission of Network (NWK) layer messages. The C-plane also provides a separate point-to-multipoint (broadcast) service (Lb). The U-plane is only concerned with end-to-end user information. This plane contains most of the application dependent procedures of DECT. Several alternative services (both circuit-mode and packet-mode) are defined as a family of independent entities. Each service provides one or more point-to-point U-plane data links, where the detailed characteristics of

those links are determined by the particular needs of each service. The defined services cover a wide range of performance, from "unprotected with low delay" for speech applications to "highly protected with variable delay", for local area network applications. NOTE: The performance of the DLC services need not be tight to any particular application. For example the "unprotected with low delay" service could also be used for data applications, e.g. if some data protection is provided outside the DECT protocol. The present document uses the layered model principles and terminology as described in Recommendations ITU-T X.200 and X.210. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements.

Keel: en

Alusdokumendid: ETSI EN 300 175-4 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-5 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the Network (NWK) layer. The NWK layer is part 5 of the ETSI EN 300 175 and layer 3 of the DECT protocol stack. (3) Network layer C-plane/Network layer U-plane (2b) DLC layer C-plane/DLC layer U-plane (2a) MAC layer (1) Physical layer Figure 1a The present document only specifies the C-plane (control plane) of the DECT NWK layer. It contains no specification for the U-plane (user plane) because the U-plane is null for all services at the DECT NWK layer. The C-plane contains all of the internal signalling information, and the NWK layer protocols are grouped into the following families of procedures: • Call Control (CC); • Supplementary Services (SS); • Connection Oriented Message Service (COMS); • ConnectionLess Message Service (CLMS); • Mobility Management (MM); • Link Control Entity (LCE). The present document uses the layered model principles and terminology as described in Recommendation ITU-T X.200 and Recommendation ITU-T X.210. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements. The present document also includes super-wideband and fullband speech and audio services.

Keel: en

Alusdokumendid: Draft ETSI EN 300 175-5 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-6 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the identities and addressing structure of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). There are four categories of identities to be used for identification and addressing in a general DECT environment. These four categories are: • Fixed Part (FP) identities; • Portable Part (PP) identities; • connection-related identities; • equipment-related identities. Fixed part identities and portable part identities are used for: • access information from fixed parts to portable parts; • access requests from portable parts; • identification of portable parts; • identification of fixed parts and radio fixed parts; • paging; • billing. These identities support: • different environments, such as residential, public or private; • supply to manufacturers, installers, and operators of globally unique identity elements with a minimum of central administration; • multiple access rights for the same portable; • large freedom for manufacturers, installers, and operators to structure the fixed part identities, e.g. to facilitate provision of access rights to groups of DECT systems; • roaming agreements between DECT networks run by the same or different owners/operators; • indication of handover domains; • indication of location areas, i.e. paging area; • indication of subscription areas of a public service. The present document also provides for length indicators and other messages that can override the default location and/or paging area and domain indications given by the structure of the identities. Connection related identities are used to identify the protocol instances associated with a call and are used for peer-to-peer communication. Equipment related identities are used to identify a stolen PP and to derive a default identity coding for PP emergency call set-up. Coding of identity information elements for higher layer messages is found in ETSI EN 300 175-5, clause 7.7. User authentication and ciphering need additional key information and is outside the scope of the present document, but is covered in other parts of ETSI EN 300 175, e.g. ETSI EN 300 175-7. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements.

Keel: en

Alusdokumendid: Draft ETSI EN 300 175-6 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-7 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). The present document specifies the security architecture, the types of cryptographic algorithms required, the way in which they are to be used, and the requirements for integrating the security features provided by the architecture into the DECT CI. It also describes how the features can be managed and how they relate to certain DECT fixed systems and local network configurations. The security architecture is defined in terms of the security services which are to be supported at the CI, the mechanisms which are to be used to provide the services, and the cryptographic parameters, keys and processes which are associated with these mechanisms. The security processes specified in the present document are each based on one of three cryptographic algorithms: • an authentication algorithm; • a key stream generator for MAC layer encryption; and • a key stream generator plus a Message Authentication Code generator for CCM authenticated encryption. The

architecture is, however, algorithm independent, and either the DECT standard algorithms, or appropriate proprietary algorithms, or indeed a combination of both can, in principle, be employed. The use of the employed algorithm is specified in the present document. Integration of the security features is specified in terms of the protocol elements and processes required at the Network (NWK) and Medium Access Control (MAC) layers of the CI. The relationship between the security features and various network elements is described in terms of where the security processes and management functions may be provided. The present document does not address implementation issues. For instance, no attempt is made to specify whether the DSAA or DSAA2 should be implemented in the PP at manufacture, or whether the DSAA, DSAA2 or a proprietary authentication algorithm should be implemented in a detachable module. Similarly, the present document does not specify whether the DSC or DSC2 should be implemented in hardware in all PPs at manufacture, or whether special PPs should be manufactured with the DSC, DSC2 or proprietary ciphers built into them. The security architecture supports all these options, although the use of proprietary algorithms may limit roaming and the concurrent use of PPs in different environments. Within the standard authentication algorithms, DSAA2, DSC2 and CCM are stronger than DSAA and DSC and provide superior protection. DSAA2 and DSC2 are based on AES [FIPS Publication 197 (2001): "Advanced Encryption Standard (AES)", National Institute of Standards and Technology (NIST)] and were created in 2011. CCM is also based on AES and was added to the standard in 2012. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements. The present document also includes DECT Ultra Low Energy (ULE), a low rate data technology based on DECT intended for M2M applications with ultra low power consumption.

Keel: en

Alusdokumendid: Draft ETSI EN 300 175-7 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 300 175-8 V2.8.5

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech and audio coding and transmission

The present document is one of the parts of the specification of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI). This part of the DECT CI specifies the speech and audio coding and transmission requirements. In order to ensure satisfactory interworking of different portable and fixed units, it is necessary to specify the transmission performance of the analog information over the digital link. This requires not only use of a common speech algorithm, but also standardization of frequency responses, reference speech levels (or loudness) at the air interface and various other parameters. The present document applies to DECT equipment which includes all the necessary functions to provide real-time two-way speech conversation and stereo audio transmission. Several speech services are defined in the present document, including conventional 3,1 kHz telephony, wideband 7 kHz voice transmission, super-wideband 14 kHz and fullband 20 kHz service. DECT Fixed part providing such services may be connected to the public circuit switched (PSTN/ISDN) network, to private networks or to the Voice over Internet Protocol (VoIP) network. Tethered fixed point local loop applications are not required to comply with the requirements of the present document. For the DECT systems which connect to the Public Switched Telephone Network (PSTN) via an analog interface, the additional requirements, which are implemented in the FP, have as much as possible been aligned with ETSI TBR 038. A summary of the control and the use of the DECT echo control functions, to guide on need for options to manufacturers and installers, is found in annex A. Information concerning test methods can be found in ETSI EN 300 176-1 and ETSI EN 300 176-2 (previously covered by ETSI TBR 010). The test methods take into account that DECT is a digital system. The present document includes New Generation DECT, a further development of the DECT standard introducing wideband speech, improved data services, new slot types and other technical enhancements. In addition, the present document includes DECT Evolution, providing SWB and FB speech and audio capabilities and a new speech coding algorithm for NB and WB allowing to increase the audio quality of the NB and WB speech service and improve bandwidth efficiency. The latest update for DECT Evolution includes the support of ultra-band, high resolution, low-latency speech and audio coding, and additional PP types supported with LC3plus coding. An application profile using these new PP types can be found in ETSI TS 103 706.

Keel: en

Alusdokumendid: Draft ETSI EN 300 175-8 V2.8.5

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 303 105-1 V1.0.3

Digital Video Broadcasting (DVB); Next Generation broadcasting system to Handheld, physical layer specification (DVB-NGH); Part 1: Base Profile

The present document describes the next generation transmission system for digital terrestrial and hybrid (combination of terrestrial with satellite transmissions) broadcasting to handheld terminals. It specifies the entire physical layer part from the input streams to the transmitted signal. This transmission system is intended for carrying Transport Streams or generic data streams feeding linear and non-linear applications like television, radio and data services. DVB-NGH terminals might also process DVB-T2-lite signals.

Keel: en

Alusdokumendid: Draft ETSI EN 303 105-1 V1.0.3

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 303 105-2 V1.0.3

Digital Video Broadcasting (DVB); Next Generation broadcasting system to Handheld, physical layer specification (DVB-NGH); Part 2: MIMO Profile

The present document describes the next generation transmission system for digital terrestrial MIMO broadcasting to handheld terminals making use of multi-aerial structures at the transmitting and receiving ends. It specifies the differences of the MIMO Profile physical layer part to the physical layer part of the Base Profile ETSI EN 303 105-1 - from the input streams to the

transmitted signals. This transmission system is intended for carrying Transport Streams or generic data streams feeding linear and non-linear applications like television, radio and data services. DVB-NGH terminals might also process DVB-T2-lite signals.

Keel: en

Alusdokumendid: Draft ETSI EN 303 105-2 V1.0.3

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 303 105-3 V1.0.3

Digital Video Broadcasting (DVB); Next Generation broadcasting system to Handheld, physical layer specification (DVB-NGH); Part 3: Hybrid Profile

The present document describes the next generation transmission system for digital hybrid (combination of terrestrial with satellite transmissions) broadcasting to handheld terminals. It specifies the differences of the Hybrid Profile physical layer part to the physical layer part of the Base Profile ETSI EN 303 105-1 from the input streams to the transmitted signals. This transmission system is intended for carrying Transport Streams or generic data streams feeding linear and non-linear applications like television, radio and data services. DVB-NGH terminals might also process DVB-T2-lite signals.

Keel: en

Alusdokumendid: Draft ETSI EN 303 105-3 V1.0.3

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 303 105-4 V1.0.3

Digital Video Broadcasting (DVB); Next Generation broadcasting system to Handheld, physical layer specification (DVB-NGH); Part 4: Hybrid MIMO Profile

The present document describes the next generation transmission system for digital hybrid (combination of terrestrial with satellite transmissions) MIMO broadcasting to handheld terminals making use of multi-aerial structures at the transmitting and receiving ends. It specifies the relationship of the hybrid MIMO profile physical layer part to the physical layer part of the other three profiles, namely the base profile ETSI EN 303 105-1, the MIMO profile ETSI EN 303 105-2 and the hybrid profile ETSI EN 303 105-3, from the input streams to the transmitted signal. This transmission system is intended for carrying Transport Streams or generic data streams feeding linear and non-linear applications like television, radio and data services. DVB-NGH terminals might also process DVB-T2-lite signals.

Keel: en

Alusdokumendid: Draft ETSI EN 303 105-4 V1.0.3

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 62496-2-5:2021

Optical circuit boards - Basic test and measurement procedures - Part 2-5: Flexibility test for flexible opto-electric circuits

This part of IEC 62496-2 defines a test method for folding flexibility inspection of flexible opto-electric circuits with a MIT folding endurance tester and presents a guideline for a step stress test method for finding the predetermined minimum mechanical folding radii below which the flexible opto-electric circuits can be damaged by intended folding distortion. Here, test samples are used instead of products for the flexibility test of their flexible opto-electric circuits, and the test samples have the same layer structure as the products.

Keel: en

Alusdokumendid: IEC 62496-2-5 ED1; prEN IEC 62496-2-5:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

35 INFOTEHNOLOOGIA

prEN 13757-8

Communication systems for meters - Part 8: Adaptation layer

This document describes the functionalities and specifies the requirements of an Adaptation Layer to be applied when transporting M-Bus upper layers using a wireless communication protocol other than Wireless M-Bus. These alternative radio technologies developed outside CEN/TC 294 could be based on Internet Protocol or not and operate either in licensed or unlicensed frequency bands.

Keel: en

Alusdokumendid: prEN 13757-8

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 17367

Waste Management - Data communication between communication management system and the back office system for stationary waste collection containers - Functional specification and the semantic data model

This document defines the standard for exchanging stationary waste collection container information between the collection container system and the back-office systems. This document defines the way to exchange data between the "Communication Management System" of the collection container and the "Back-Office Systems". The exchange of data between the "Collection

Container Systems" and the "Communication Management Systems" or the "Back-Office Systems" is excluded. This document targets two streams of information in the waste processing industry: - The processing of transactions and system information for the deposit of waste from the communication management systems to the back office systems. - The processing of authorization and configuration information from the back-office systems to the communication management systems.

Keel: en

Alusdokumendid: prEN 17367

Arvamusküsitluse lõppkuupäev: 28.02.2022

45 RAUDTEETEHNIKA

EN 15328:2020/prA1

Railway applications - Braking - Brake pads

This document specifies requirements for pads for disc brakes of railway rolling stock. The document defines requirements and generic test programs for brake pads on dynamometer. This document does not cover mandatory tests to verify stopping distances in addition to laboratory, bench test and in-service tests. In order to qualify the brake pad performance in accordance with the classification the standard provides fixed parameter figures as categories defined in paragraph classification scheme. This document is not applicable for urban rail applications.

Keel: en

Alusdokumendid: EN 15328:2020/prA1

Muudab dokumenti: EVS-EN 15328:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 16186-6

Railway applications - Driver's cab - Part 6: Integration of displays, controls and indicators for tram vehicles

This document is applicable to vehicles operating on tram networks. This document gives design requirements and guidance in order to ensure visibility and operability of screens, controls and indicators in the cab in all operating conditions (day, night, natural or artificial lighting). It covers four aspects: - the characteristics of the displays, controls and indicators in order to ensure proper visibility: i.e. range of luminance and contrast as well as the possibility of adjustment of perceived brightness; - the requirements for the location of the displays, keyboards, controls and indicators in the cab and on the driver's desk: i.e. position, angle of visibility, etc. with consideration of the normal driving position and the working environment (windscreen, natural or artificial lighting in the cab, unwanted glare and reflections, etc.); - the characteristics and requirements for the location of microphones and loudspeakers; - design of symbols. NOTE All element numbers within the text refer to Table B.1. This document does not apply to refurbishment of existing vehicles. This document is not intended to be applicable to driver's auxiliary desk, except for 5.3.10, Clauses 6, 8, 9 and Tables B.1, C.1.

Keel: en

Alusdokumendid: prEN 16186-6

Arvamusküsitluse lõppkuupäev: 28.02.2022

47 LAEVAEHITUS JA MERE-EHITISED

prEN ISO 8848

Small craft - Remote mechanical steering systems (ISO/FDIS 8848:2021)

This document specifies design, construction, installation and test requirements for remote mechanical cable steering systems and the output ram interface point to rudders, jet drives, outboard and sterndrive engines for small craft. It is applicable to three distinct classes of steering systems for use on various types of craft: — standard duty steering systems, for small craft with single and twin installations of outboard engines with a total over 15 kW power, and with rudders, sterndrives, and water-jet drives; — light duty steering systems, for small craft with a single outboard engine of 15 kW to 40 kW power; — mini-jet steering systems, excluding personal watercraft. NOTE Standard and light duty steering systems are mechanically interchangeable. A standard duty steering system can be used on a craft designed for a light duty system. However, a light duty steering system cannot be used on a craft that requires a standard duty steering system. Mini-jet steering systems are mechanically differentiated from the previously mentioned systems and can only be used on mini-jet craft as defined in this document. This document does not address emergency means for steering the craft.

Keel: en

Alusdokumendid: ISO/FDIS 8848; prEN ISO 8848

Asendab dokumenti: EVS-EN ISO 8848:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 9104-003

Aerospace series - Quality management systems - Part 003: Requirements for Aviation, Space, and Defence Auditor Training, Development, Competence, and Authentication

This document defines the minimum requirements for auditors, CBs, Auditor Authentication Bodies (AABs), Training Provider Approval Bodies (TPABs), and Training Providers (TPs) who participate in the IAQG Industry Controlled Other Party (ICOP)

scheme. The requirements in this standard supplement those defined within the EN 9104-1, EN 9104-2, ISO/IEC 17021-1, and ISO/IEC 17021-3 standards. Data protection for the parties subject to this document and other relevant requirements of the ICOP scheme are managed via bi-lateral contracts between the joint controllers of the data.

Keel: en

Alusdokumendid: prEN 9104-003

Asendab dokumenti: EVS-EN 9104-003:2010

Arvamusküsitluse lõppkuupäev: 28.02.2022

53 TÖSTE- JA TEISALDUS-SEADMED

prEN 13001-3-8

Cranes - General design - Limit states and proof competence of machinery - Part 3-8: Shafts

This document is intended to be used together with the other generic parts of the EN 13001 series of standards, see Annex C, and as such, they specify general conditions, requirements and methods to prevent mechanical hazards of cranes by design and theoretical verification. Specific requirements for particular types of cranes are given in the appropriate European standard for the particular crane type. This document covers specific shafts and rotating or non-rotating axles as an integrated part of cranes, that are not dealt with by other EN 13001 standards (e.g. pinned connections in EN 13001-3-1). It is not applicable to shafts or axles being part of standard equipment (e.g. gearboxes, motors). The significant hazardous situations and hazardous events that could result in risks to persons during intended use and reasonably foreseeable misuse are identified by Annex D. Clauses 4 to 7 of this document are necessary to reduce or eliminate these risks. Clauses 4 to 7 of this document are necessary to reduce or eliminate these risks associated with the following hazards: - exceeding the limits of strength (yield, ultimate, fatigue); - exceeding temperature limits of material or components. This standard does not deal with the proofs of strength of welded and cast shafts. This document is not applicable to cranes that are manufactured before the date of its publication as EN and serves as reference base for the European standards for particular crane types (see Annex C). NOTE prEN 13001-3-8:2021 deals only with limit state method in accordance with EN 13001-1:2015.

Keel: en

Alusdokumendid: prEN 13001-3-8

Arvamusküsitluse lõppkuupäev: 28.02.2022

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 3758

Textiles - Care labelling code using symbols (ISO/DIS 3758:2021)

This document is applicable to all textile articles, except: — non-removable covers of upholstered furniture; — non-removable covers of mattresses; — carpets and rugs which require professional carpet cleaning. NOTE The mentioned products are excluded due to specific cleaning processes not specified in this document. The graphical symbols described in this document are intended to give care information to the end user. This document — establishes a system of graphic symbols, intended for use in the marking of textile articles, and for providing information on the most severe treatments that do not cause irreversible damage to the article during the textile care process, and — specifies the use of these symbols in care labelling. The following domestic treatments are covered: washing, bleaching, drying and ironing. Professional textile care treatments in dry and wet cleaning, but excluding industrial laundering, are also covered. However, it is recognized that information imparted by the domestic symbols will also be of assistance to the professional cleaner and launderer. NOTE Symbols for industrial laundering can be found in ISO 30023.

Keel: en

Alusdokumendid: ISO/DIS 3758; prEN ISO 3758

Asendab dokumenti: EVS-EN ISO 3758:2012

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 4484-3

Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method (ISO/DIS 4484-3:2021)

This document specifies a method of measurement of the collected material mass released from outlet of washing machine described in ISO 6330 during washing of textile end products by a washing condition indicated by care label of ISO 3758. If the countries use the own care label system, set the washing condition indicated by the care label. This document applies to all textile end products which are composed of all fibres such as natural fibres, and man-made fibres, including mixture of the fibres. The textile end products applied for this test method are clothing, garments, such as fleece, shirts, trousers, blouse, etc., and home textile end products, such as, blankets, rugs, curtains, etc. This document is not applicable to fabrics and cut textile products, and the test for washing machines and detergents as well.

Keel: en

Alusdokumendid: ISO/DIS 4484-3; prEN ISO 4484-3

Arvamusküsitluse lõppkuupäev: 28.02.2022

65 PÖLLUMAJANDUS

prEN 15761

Pre-shaped growing media - Determination of the dimensions measured and bulk density

This document describes a method for the determination of and the dimensions measured of the bulk density of pre-shaped growing media. In this document, "pre-shaped growing media": - includes solid, regular shaped, stable growing media sold, which are ready for use as a growing media, where the dimensions and any corners are stable; - does not include plugs; - does not include solid growing media that has to be hydrated for it to form, varies in dimension with varying water content - for example, coir or peat slabs or growing bags.

Keel: en

Alusdokumendid: prEN 15761

Asendab dokumenti: EVS-EN 15761:2010

Arvamusküsitluse lõppkuupäev: 28.02.2022

71 KEEMILINE TEHNOLOOGIA

prEN 14470-1

Fire safety storage cabinets - Part 1: Safety storage cabinets for flammable liquids

This European Standard is a product specification, giving performance requirements for fire safety cabinets to be used for the storage of flammable liquids. It is applicable to cabinets with a total internal volume of not greater than 2 m³, which may be free standing, restrained to a wall or mounted on plinth or castors. It is not applicable to brick enclosures or walk-in storage rooms. This Standard does not apply to any support frame or mechanism other than the base which is integral to the cabinet. Requirements are given in respect of the construction of the cabinet and its capacity to resist fire conditions on the outside. A classification of cabinets is given, according to the level of fire resistance offered, and a type test is included, see Annex A. The tests described in this European Standard are type tests. This European Standard does not discriminate between different flammable liquids, which may have considerably different physical properties. Attention is drawn to national regulations, which may apply with regards to the storage of flammable liquids.

Keel: en

Alusdokumendid: prEN 14470-1

Asendab dokumenti: EVS-EN 14470-1:2004

Arvamusküsitluse lõppkuupäev: 28.02.2022

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 12595

Bitumen and bituminous binders - Determination of kinematic viscosity

This document specifies a method for the determination of the kinematic viscosity of bituminous binders at 60 °C and 135 °C, in a range from 6 mm²/s to 300 000 mm²/s. Other temperatures are possible if calibration constants are known. Bituminous emulsions are not covered within the scope of this method. Results for this method can be used to calculate dynamic viscosity when the density of the test material is known or can be determined. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 12595

Asendab dokumenti: EVS-EN 12595:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 12596

Bitumen and bituminous binders - Determination of dynamic viscosity by vacuum capillary

This document specifies a method for the determination of the dynamic viscosity of bituminous binders by means of a vacuum capillary viscometer at 60 °C in a range between 0,003 6 Pa·s and 580 000 Pa·s. Other temperatures are possible if calibration constants are known. Bituminous emulsions and non-newtonian binders (e.g. some polymer modified bitumen) are not within the scope of this method. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 12596

Asendab dokumenti: EVS-EN 12596:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-1

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 1: Validation of materials and insulation systems (ISO/DIS 12736-1:2021)

This document defines the minimum requirements for validation of wet thermal insulation systems applied to pipelines and subsea equipment in the petroleum and natural gas industries. This document is applicable to wet thermal insulation systems submerged in seawater. This document is not applicable to: — maintenance works on existing installed wet thermal insulation systems; — qualification for anti-corrosion coating; — thermal insulation in the annulus of a steel pipe-in-pipe system.

Keel: en

Alusdokumendid: ISO/DIS 12736-1; prEN ISO 12736-1

Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-2

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 2: Qualification processes for production and application procedures (ISO/DIS 12736-2:2021)

This document defines the minimum requirements for project specific product and process qualification of wet thermal insulation systems applied to pipelines in a factory setting and subsea equipment in the petroleum and natural gas industries. This document is not applicable to: — pre-fabricated sections; — thermal insulation in the annulus of a steel pipe-in-pipe system; — maintenance works on existing installed wet thermal insulation systems; — project qualification of anticorrosion coatings or the requirements for application thereof.

Keel: en

Alusdokumendid: ISO/DIS 12736-2; prEN ISO 12736-2

Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 12736-3

Petroleum and natural gas industries - Wet thermal insulation systems for pipelines and subsea equipment - Part 3: Interfaces between systems, field joint system, field repairs and prefabricated insulation (ISO/DIS 12736-3:2021)

This document defines the minimum requirements for project specific product and process qualification of field applied wet thermal insulation system applied at interfaces (e.g. field joints) and pre-fabricated insulation in the petroleum and natural gas industries. This document is applicable to wet thermal insulation systems submerged in seawater. This document is not applicable to: — the project qualification of anticorrosion coatings or the requirements for application thereof; — thermal insulation in the annulus of a steel pipe-in-pipe system.

Keel: en

Alusdokumendid: ISO/DIS 12736-3; prEN ISO 12736-3

Asendab dokumenti: EVS-EN ISO 12736:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 13704

Petroleum, petrochemical and natural gas industries - Calculation of heater-tube thickness in petroleum refineries (ISO/DIS 13704:2021)

ISO 13704:2007 specifies the requirements and gives recommendations for the procedures and design criteria used for calculating the required wall thickness of new tubes and associated component fittings for petroleum-refinery heaters. These procedures are appropriate for designing tubes for service in both corrosive and non-corrosive applications. These procedures have been developed specifically for the design of refinery and related process-fired heater tubes (direct-fired, heat-absorbing tubes within enclosures). ISO 13704:2007 does not give recommendations for tube retirement thickness; Annex A describes a technique for estimating the life remaining for a heater tube. The procedures given in ISO 13704:2007 are not intended to be used for the design of external piping.

Keel: en

Alusdokumendid: ISO/DIS 13704; prEN ISO 13704

Asendab dokumenti: EVS-EN ISO 13704:2008

Asendab dokumenti: EVS-EN ISO 13704:2008/AC:2009

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 19901-8

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 8: Marine soil investigations (ISO/DIS 19901-8:2021)

ISO 19901-8:2014 specifies requirements, and provides recommendations and guidelines for marine soil investigations regarding: a) objectives, planning and execution of marine soil investigations; b) deployment of investigation equipment; c) drilling and logging; d) in situ testing; e) sampling; f) laboratory testing; and g) reporting. Rock materials are only covered by ISO 19901-8:2014 to the extent that ordinary marine soil investigation tools can be used, e.g. for chalk, calcareous soils, cemented

soils or similar soft rock. ISO 19901-8:2014 is intended for clients, soil investigation contractors, designers, installation contractors, geotechnical laboratories and public and regulatory authorities concerned with marine soil investigations for any type of offshore and nearshore structures, or geohazard assessment studies, for petroleum and natural gas industries.

Keel: en

Alusdokumendid: ISO/DIS 19901-8; prEN ISO 19901-8

Asendab dokumenti: EVS-EN ISO 19901-8:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

77 METALLURGIA

prEN 17800

Life cycle cost (LCC) and Life cycle assessment (LCA) for ductile iron pipe systems

This document specifies the evaluation method of life cycle cost (LCC) and Life cycle assessment (LCA) of ductile iron pipes and fittings used for water applications. Informative annexes are included in this document as a compilation of references, consensual factors, and scenarios with different DI pipelines.

Keel: en

Alusdokumendid: prEN 17800

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 16808

Metallic materials - Sheet and strip - Determination of biaxial stress-strain curve by means of bulge test with optical measuring systems (ISO/FDIS 16808:2021)

This document specifies a method for determination of the biaxial stress-strain curve of metallic sheets having a thickness below 3 mm in pure stretch forming without significant friction influence. In comparison with tensile test results, higher strain values can be achieved. NOTE In this document, the term "biaxial stress-strain curve" is used for simplification. In principle, in the test the "biaxial true stress-true strain curve" is determined.

Keel: en

Alusdokumendid: ISO/FDIS 16808; prEN ISO 16808

Asendab dokumenti: EVS-EN ISO 16808:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 9227

Corrosion tests in artificial atmospheres - Salt spray tests (ISO/DIS 9227:2021)

This document specifies the apparatus, the reagents and the procedure to be used in conducting the neutral salt spray (NSS), acetic acid salt spray (AASS) and copper-accelerated acetic acid salt spray (CASS) tests for assessment of the corrosion resistance of metallic materials, with or without permanent or temporary corrosion protection. It also describes the method employed to evaluate the corrosivity of the test cabinet environment. It does not specify the dimensions or types of test specimens, the exposure period to be used for a particular product, or the interpretation of results. Such details are provided in the appropriate product specifications. The salt spray tests are particularly useful for detecting discontinuities, such as pores and other defects, in certain metallic, organic, anodic oxide and conversion coatings. The neutral salt spray (NSS) test particularly applies to — metals and their alloys, — metallic coatings (anodic and cathodic), — conversion coatings, — anodic oxide coatings, and — organic coatings on metallic materials. The acetic acid salt spray (AASS) test is especially useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic coatings on aluminium. The copper-accelerated acetic acid salt spray (CASS) test is useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic coatings on aluminium. The salt spray methods are all suitable for checking that the quality of a metallic material, with or without corrosion protection, is maintained. They are not intended to be used for comparative testing as a means of ranking different materials relative to each other with respect to corrosion resistance or as means of predicting long-term corrosion resistance of the tested material.

Keel: en

Alusdokumendid: ISO/DIS 9227; prEN ISO 9227

Asendab dokumenti: EVS-EN ISO 9227:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

79 PUIDUTEHNOLOOGIA

prEN 13442

Wood and parquet flooring and wood panelling and cladding - Determination of the resistance to chemical agents

This document specifies a test method to determine the resistance of the surface of an element of wood flooring, panelling and cladding, to a predetermined list of chemical agents they may be exposed to during their service life.

Keel: en

Alusdokumendid: prEN 13442

Asendab dokumenti: EVS-EN 13442:2013

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 460

Durability of wood and wood-based products - Natural durability of solid wood - Guide to the durability requirements for wood to be used in hazard classes

This document gives guidance on the selection of wood of wood and wood based products for use in situations where they may be subject to degradation by fungi or wood destroying insects. This guidance includes information on factors that can influence the service life of a wood or wood-based product when considering biological degradation. This document is a step toward the evaluation of the service life of a wood product. This document does not consider: 1) the durability characteristics of the glue used in wood-based products; 2) the aesthetic function of wood products (discoloration, surface weathering, mould).

Keel: en

Alusdokumendid: prEN 460

Asendab dokumenti: EVS-EN 460:1999

Arvamusküsitluse lõppkuupäev: 28.02.2022

83 KUMMI- JA PLASTITÖÖSTUS

prEN 12004-3

Adhesives for ceramic tiles - Part 3: Terminology, specifications, designation and marking

This document specifies the additional characteristics for the adhesives for ceramic tiles, i.e. cementitious ones for internal and external tile installations, dispersion and reaction resin ones for internal tile installations, on walls and floors. This document provides the terminology concerning the products, working methods, application properties, etc., for ceramic tile adhesives. This document does not provide criteria or recommendations for the design and installation of ceramic tiles. NOTE Ceramic tile adhesives are also used for other types of tiles (natural and agglomerated stones, etc.), if they do not adversely affect these materials.

Keel: en

Alusdokumendid: prEN 12004-3

Asendab dokumenti: EVS-EN 12004-1:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 15425

Adhesives - One component polyurethane (PUR) for load-bearing timber structures - Classification and performance requirements

This document establishes a classification for one component polyurethane (PUR) adhesives according to their suitability for use in load-bearing timber products in defined climatic exposure conditions; it specifies performance requirements for such adhesives for the factory manufacture or factory like manufacturing of load-bearing timber products only. It also classifies "adhesive lines" where all the products within the line have almost identical physical/chemical properties and gluing performance, but different reactivity. This document only specifies the performance of adhesives for use in an environment corresponding to the defined conditions. The performance requirements of this document apply to the adhesives only, not to the manufactured timber products. This document does not cover the performance of adhesives for on-site gluing (except for factory-like conditions) nor the production of wood-based panels, except solid wood panels, or modified and stabilized wood with considerably reduced swelling and shrinkage properties, e.g. such as acetylated wood, heat treated wood and polymer impregnated wood. This document is primarily intended for the use of adhesive manufacturers and for the use in timber products bonded with adhesives, to assess or control the quality of adhesives. The requirements apply to the type testing of the adhesives. Production control activities are outside the scope of this document. Adhesives meeting the requirements of this document are adequate for use in load-bearing timber products, provided that the bonding process has been carried out according to an appropriate product standard. This document does not address the classification and use of adhesives in combination with the spraying of water before or during the bonding process; see informative Annex C of this document. This does neither allow nor forbid the use of adhesives in combination with spraying of water.

Keel: en

Alusdokumendid: prEN 15425

Asendab dokumenti: EVS-EN 15425:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 16254

Adhesives - Emulsion polymerized isocyanate (EPI) for load-bearing timber structures - Classification and performance requirements

This document establishes a classification for emulsion polymerised isocyanate (EPI) adhesives according to their suitability for use in load-bearing timber products in defined climatic exposure conditions, and specifies performance requirements for such adhesives for the industrial manufacture of load-bearing timber products only. The performance requirements of this document apply to the adhesives only, not to the timber products. This document does not cover the performance of adhesives for on-site gluing (except for factory-like conditions) nor the production of wood-based panels, except solid wood panels, or modified and stabilized wood with considerably reduced swelling and shrinkage properties, e.g. such as acetylated wood, heat treated wood and polymer impregnated wood. This document is primarily intended for the use of adhesive manufacturers and for the use in timber products bonded with adhesives, to assess or control the quality of adhesives. This document only specifies the performance of an adhesive for use in an environment corresponding to the defined conditions. Such an adhesive meeting the requirements of this document for its type is adequate for use in load-bearing timber products, provided that the bonding process has been carried out according to an appropriate product standard.

Keel: en

Alusdokumendid: prEN 16254
Asendab dokumenti: EVS-EN 16254:2013+A1:2016
Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 301

Adhesives, phenolic and aminoplastic, for load-bearing timber structures - Classification and performance requirements

This document establishes a classification for phenolic and aminoplastic polycondensation adhesives according to their suitability for use for load-bearing timber structures in defined climatic exposure conditions, and specifies performance requirements for such adhesives for the factory manufacture or factory-like manufacturing conditions of load-bearing timber structures only. This document only specifies the performance of an adhesive for use in an environment corresponding to the defined conditions. The performance requirements of this document apply to the adhesive only, not to the timber structure. This document does not cover the performance of adhesives for on-site gluing (except for factory-like conditions) nor the production of wood-based panels, except solid wood panels, or modified and stabilized wood with considerably reduced swelling and shrinkage properties, e.g. such as acetylated wood, heat treated wood and polymer impregnated wood. This document is primarily intended for the use of adhesive manufacturers and for the use in timber structures bonded with adhesives, to assess or control the quality of adhesives. The requirements apply to the type testing of the adhesives. Production control activities are outside the scope of this document. Adhesives meeting the requirements of this document are adequate for use in a load-bearing timber structures, provided that the bonding process has been carried out according to an appropriate product standard.

Keel: en

Alusdokumendid: prEN 301
Asendab dokumenti: EVS-EN 301:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 302-3

Adhesives for load-bearing timber structures - Test methods - Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength

This document specifies a method for determining the effect on bond strength of damage to wood fibres caused by the action of acids from the adhesive or primer used in the gluing process during climatic cycling. It is suitable for the following applications: a) for assessing the compliance of adhesives with EN 301, EN 15425 and EN 16254; b) for assessing the suitability and quality of adhesives for load-bearing timber structures; c) for determining if the adhesive after bonding has a damaging influence on the strength of the wood due to chemical action. This test is intended primarily to obtain performance data for the classification of adhesives for load-bearing timber structures according to their suitability for use in defined climatic environments. This test is carried out on Norway spruce (*Picea abies* L.) or Beech (*Fagus sylvatica* L.). This method is not intended for use to provide numerical design data and does not necessarily represent the performance of the bonded member in service.

Keel: en

Alusdokumendid: prEN 302-3
Asendab dokumenti: EVS-EN 302-3:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

91 EHITUSMATERJALID JA EHITUS

prEN 12004-3

Adhesives for ceramic tiles - Part 3: Terminology, specifications, designation and marking

This document specifies the additional characteristics for the adhesives for ceramic tiles, i.e. cementitious ones for internal and external tile installations, dispersion and reaction resin ones for internal tile installations, on walls and floors. This document provides the terminology concerning the products, working methods, application properties, etc., for ceramic tile adhesives. This document does not provide criteria or recommendations for the design and installation of ceramic tiles. NOTE Ceramic tile adhesives are also used for other types of tiles (natural and agglomerated stones, etc.), if they do not adversely affect these materials.

Keel: en

Alusdokumendid: prEN 12004-3
Asendab dokumenti: EVS-EN 12004-1:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 12595

Bitumen and bituminous binders - Determination of kinematic viscosity

This document specifies a method for the determination of the kinematic viscosity of bituminous binders at 60 °C and 135 °C, in a range from 6 mm²/s to 300 000 mm²/s. Other temperatures are possible if calibration constants are known. Bituminous emulsions are not covered within the scope of this method. Results for this method can be used to calculate dynamic viscosity when the density of the test material is known or can be determined. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the

environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 12595

Asendab dokumenti: EVS-EN 12595:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 12596

Bitumen and bituminous binders - Determination of dynamic viscosity by vacuum capillary

This document specifies a method for the determination of the dynamic viscosity of bituminous binders by means of a vacuum capillary viscometer at 60 °C in a range between 0,003 6 Pa·s and 580 000 Pa·s. Other temperatures are possible if calibration constants are known. Bituminous emulsions and non-newtonian binders (e.g. some polymer modified bitumen) are not within the scope of this method. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: prEN 12596

Asendab dokumenti: EVS-EN 12596:2014

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 14891-2

Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives - Part 2: Terminology, specifications, designation and marking

This document applies to all liquid-applied water impermeable products, based on polymer modified cementitious mortars, dispersions and reaction resin coatings, used beneath ceramic tiling, for external tile installations on walls and floors and in swimming pools. This document specifies the test methods and the requirements for the non-harmonised characteristic and the designation and marking of liquid-applied water impermeable products beneath ceramic tiling. This document does not contain recommendations for the design and installation of ceramic tiles and grouts in combination with water impermeable products. NOTE Liquid-applied water impermeable products are also used beneath other types of tiles (natural and agglomerated stones, etc.), where they do not adversely affect these materials.

Keel: en

Alusdokumendid: prEN 14891-2

Asendab dokumenti: EVS-EN 14891:2017

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 17800

Life cycle cost (LCC) and Life cycle assessment (LCA) for ductile iron pipe systems

This document specifies the evaluation method of life cycle cost (LCC) and Life cycle assessment (LCA) of ductile iron pipes and fittings used for water applications. Informative annexes are included in this document as a compilation of references, consensual factors, and scenarios with different DI pipelines.

Keel: en

Alusdokumendid: prEN 17800

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 480-1

Admixtures for concrete, mortar and grout - Test methods - Part 1: Reference concrete and reference mortar for testing

This document specifies the constituent materials, the composition and the mixing method to produce reference concrete and reference mortar for testing the efficacy and the compatibility of admixtures in accordance with the series EN 934.

Keel: en

Alusdokumendid: prEN 480-1

Asendab dokumenti: EVS-EN 480-1:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 480-15

Admixtures for concrete, mortar and grout - Test methods - Part 15: Reference concrete and method for testing viscosity modifying admixtures

This document specifies the constituent materials, the composition and the mix procedure to produce a reference concrete with a prescribed consistency and segregated portion for testing viscosity modifying admixtures as defined in EN 934-2. It also describes how to determine the requirements for the test mix in comparison with the control mix.

Keel: en

Alusdokumendid: prEN 480-15

Asendab dokumenti: EVS-EN 480-15:2013

Arvamusküsitluse lõppkuupäev: 28.02.2022

prHD 60364-7-706:2021

Low-voltage electrical installations - Part 7-706: Requirements for special installations or locations - Conducting locations with restricted movement

The particular requirements of this part of IEC 60364 apply to: - fixed equipment within conducting locations with restricted movement; and - supplies to equipment used within conducting locations with restricted movement.

Keel: en

Alusdokumendid: IEC 60364-7-706 ED3; prHD 60364-7-706:2021

Asendab dokumenti: EVS-HD 60364-7-706:2007

Asendab dokumenti: EVS-HD 60364-7-706:2007/A1:2020

Asendab dokumenti: EVS-HD 60364-7-706:2007+A1:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

93 RAJATISED

prEN 14388

Road traffic noise reducing devices - Characteristics

This document specifies product characteristics for road traffic noise reducing devices (RTNRD) - as defined in 3.1 - to be used alongside roads to reduce the propagation of traffic noise away from the road environment. The following types of road traffic noise reducing devices are covered by this document: - noise barriers (as defined in 3.4); - claddings (as defined in 3.5); - covers (as defined in 3.6); and - added devices (as defined in 3.7). Road traffic noise reducing devices comprise acoustic elements (as defined in 3.2), structural elements (as defined in 3.3) or self-supporting elements (having both acoustic and structural functions). This document identifies assessment and verification of constancy of performance (AVCP) of characteristics of road traffic noise reducing devices. This document does not cover the following: - resistance of RTNRD to vandalism, - visual appearance of RTNRD, and - acoustic properties of road pavements.

Keel: en

Alusdokumendid: prEN 14388

Asendab dokumenti: EVS-EN 14388:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 14389

Road traffic noise reducing devices - Procedures for assessing long term performance

This document specifies a method for evaluating the working life of Noise Reducing Devices used alongside roads according to the relevant exposure conditions. It also specifies a method for determining the acoustic characteristic at the end of the working life.

Keel: en

Alusdokumendid: prEN 14389

Asendab dokumenti: EVS-EN 14389-1:2015

Asendab dokumenti: EVS-EN 14389-2:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 14758-1

Plastics piping systems for non-pressure underground drainage and sewerage - Polypropylene with mineral modifiers (PP-MD) - Part 1: Specifications for pipes, fittings and the system

This document specifies the requirements for solid-wall pipes and fittings with or without internal and/or external skin, and the system of piping systems made from mineral modified polypropylene materials (PP-MD) in the field of non-pressure underground drainage and sewerage outside the building structure (application area code "U"), and non pressure underground drainage and sewerage for both buried in ground within the building structure (application area code "D") and outside the building structure. NOTE 1 The skins are made of PP compound without mineral modifier. This is reflected in the marking of products by "U" and "UD". It also specifies the test parameters for the test methods referred to in this document. This document covers a range of nominal sizes, a range of pipe series/stiffness classes and gives recommendations concerning colours. NOTE 2 It is the responsibility of the purchaser or specifier to make the appropriate selection from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. In conjunction with Part 2 of EN 14758 (see Foreword) it is applicable to PP-MD pipes and fittings, their elastomeric sealing ring joints and to joints with components of other plastics and non-plastics materials intended to be used for buried piping systems for non-pressure underground drainage and sewerage. This document is applicable to PP-MD pipes with or without an integral socket. NOTE 3 The fittings can be manufactured by injection-moulding or be fabricated from pipes and/or mouldings. NOTE 4 Requirements and limiting values for application area code "D" are given in Table 4, Table 7 and Table 13. NOTE 5 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex B can be used with pipes and fittings conforming to this document, when they conform to the requirements for joint dimensions given in Clause 6 and to the requirements of Table 13.

Keel: en

Alusdokumendid: prEN 14758-1

Asendab dokumenti: EVS-EN 14758-1:2012

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 17383

Road traffic noise reducing devices - Sustainability: Key Performance Indicators (KPIs) Declaration

This document provides Product Category Rules (PCR) for the declaration of the Sustainability of RTNRDs according to EN 15804:2012+A2:2019.

Keel: en

Alusdokumendid: prEN 17383

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 1794-1

Road traffic noise reducing devices - Non-acoustic performance - Part 1: Methods of determination of the mechanical and stability characteristics

This document specifies criteria to categorize road traffic noise reducing devices according to basic mechanical characteristics under standard conditions of exposure, irrespective of the materials used. A range of conditions and optional requirements is provided in order to take into account the wide diversity of practice in Europe. Individual aspects of performance are covered separately in the annexes. Safety considerations in the event of damage to road noise reducing devices are covered in prEN 1794-2. This document covers the current behaviour of the product. For the assessment of its long term characteristics, EN 14389-2 is applicable. NOTE The test procedure described in Annex A does not consider the fatigue effect.

Keel: en

Alusdokumendid: prEN 1794-1

Asendab dokumenti: EVS-EN 1794-1:2018

Asendab dokumenti: prEVS-EN 1794-1:2018+AC

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 1794-2

Road traffic noise reducing devices - Non-acoustic performance - Part 2: Methods of determination of the general safety and environmental characteristics

This document specifies methods and criteria for assessing the general safety and environmental performance of road traffic noise reducing devices under typical roadside conditions. Appropriate test methods are provided where these are necessary. The treatment of each topic is covered separately in Annexes A to E.

Keel: en

Alusdokumendid: prEN 1794-2

Asendab dokumenti: EVS-EN 1794-2:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

97 OLME. MEELELAHUTUS. SPORT

EN 60335-2-30:2009/prA13:2021

Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters

Amendment to EN 60335-2-30:2009

Keel: en

Alusdokumendid: EN 60335-2-30:2009/prA13:2021

Muudab dokumenti: EVS-EN 60335-2-30:2010

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1:2020

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1+A12:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

EN 60335-2-30:2009/prA2:2021

Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters

This European Standard deals with the safety of electric room heaters for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard also deals with the safety of electric heaters intended for the heating of driver and passenger compartments of motor vehicles when they are stationary, their rated voltage being not more than 250 V.

Keel: en

Alusdokumendid: IEC 60335-2-30:2009/A2:2021; EN 60335-2-30:2009/prA2:2021

Muudab dokumenti: EVS-EN 60335-2-30:2010

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1:2020

Muudab dokumenti: EVS-EN 60335-2-30:2010+A11+A1+A12:2020

Arvamusküsitluse lõppkuupäev: 28.02.2022

EN 60335-2-48:2003/prA12:2021

Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters

This European Standard deals with the safety of electrically operated commercial grillers and toasters not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Rotary or continuous grillers and toasters and similar appliances intended for grilling by radiant heat such as rotisseries, salamanders, etc. are within the scope of this standard. Appliances within the scope of this standard are typically used in restaurants, canteens, hospitals and commercial enterprises such as bakeries, butcheries, etc.

Keel: en

Alusdokumendid: EN 60335-2-48:2003/prA12:2021

Muudab dokumenti: EVS-EN 60335-2-48:2003

Arvamusküsitluse lõppkuupäev: 28.02.2022

FprEN IEC 60335-2-102:2021/prA11:2021

Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

This European Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance.

Keel: en

Alusdokumendid: FprEN IEC 60335-2-102:2021/prA11:2021

Muudab dokumenti: prEN IEC 60335-2-102:2016

Arvamusküsitluse lõppkuupäev: 28.02.2022

FprEN IEC 60335-2-39/prA1:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-39: Erinõuded kaubanduslikele mitmeotstarbelistele elektrikeedupottidele

Household and similar electrical appliances - Safety - Part 2-39: Commercial electric multi-purpose cooking pans

Amendment to FprEN IEC 60335-2-39

Keel: en

Alusdokumendid: FprEN IEC 60335-2-39:2012/prA1:2021; IEC 60335-2-39:2012/A1:2017

Muudab dokumenti: FprEN IEC 60335-2-39

Arvamusküsitluse lõppkuupäev: 28.02.2022

FprEN IEC 60335-2-39/prA11:2021

Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-39: Erinõuded kaubanduslikele mitmeotstarbelistele elektrikeedupottidele

This European Standard Deals with the safety of electrically operated commercial multi-purpose cooking pans not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Appliances within the scope of this standard are typically used in restaurants, canteens, hospitals, and commercial enterprises such as bakeries, butcheries, etc. The electrical part of appliances making use of other forms of energy is also within the scope of this standard.

Keel: en

Alusdokumendid: FprEN 60335-2-39:2012/prA11:2021

Muudab dokumenti: FprEN IEC 60335-2-39

Muudab dokumenti: FprEN IEC 60335-2-39/prA1:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN 16511

Modular mechanical locked floor coverings (MMF) - Specification, requirements and test method for multilayer modular panels for floating installation

This document specifies the characteristics of multilayer mechanical locked floor covering with a wear-resistant and decorative surface layer supplied in panels (either tile or plank form). The floor panels are considered suitable for domestic and commercial levels of use and designed for floating installation. This document is not applicable to resilient floor panels for loose-laying according to EN ISO 20326, to multilayer wood floorings according to EN 13489, to wood veneer floor coverings according to EN 14354, to laminate floor covering according to EN 13329, EN 14978 and EN 15468 nor to products specified in EN ISO 10581, EN ISO 10582, EN ISO 24011, EN 12104 and ISO 14486. This document is applicable to areas which are subject to frequent wetting, e.g. bathrooms, laundry rooms or saunas, only if specified by the producer. This document also includes

requirements for marking and packaging. In Annex A (informative) optional properties are given. In Annex B (informative) a test method for the classification of the flexibility is given.

Keel: en

Alusdokumendid: prEN 16511

Asendab dokumenti: EVS-EN 16511:2014+A1:2019

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60335-2-4:2021

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

IEC 60335-2-4:2021 deals with the safety of stand-alone electric spin extractors and spin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as spin extractors intended to be used by laymen in shops, in light industry and on farms, and spin extractors for communal use in blocks of flats or in laundrettes, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home. Attention is drawn to the fact that: - for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary; - in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities. This standard does not apply to: - appliances intended exclusively for industrial purposes; - appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This seventh edition cancels and replaces the sixth edition published in 2008, Amendment 1:2012 and Amendment 2:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - aligns the text with IEC 60335-1, Ed 5, and its Amendments 1 and 2; - replacement of the term definition of accessible part to include test probe 18; - addition of test probe 18 for accessibility of live parts. This part 2 is to be used in conjunction with the fifth edition of IEC 60335-1:2010 and its amendments.

Keel: en

Alusdokumendid: IEC 60335-2-4:2021; prEN IEC 60335-2-4:2021

Asendab dokumenti: EVS-EN 60335-2-4:2010

Asendab dokumenti: EVS-EN 60335-2-4:2010/A1:2015

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

Asendab dokumenti: EVS-EN 60335-2-4:2010/A2:2019

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN IEC 60335-2-4:2021/prA11:2021

Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors

This European Standard with the safety of stand-alone electric spin extractors, and pin extractors incorporated in washing machines that have separate containers for washing and spin extraction for household and similar purposes that have a capacity not exceeding 10 kg of dry cloth and a drum peripheral speed not exceeding 50 m/s, their rated voltages being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en

Alusdokumendid: prEN IEC 60335-2-4:2021/prA11:2021

Muudab dokumenti: prEN IEC 60335-2-4:2021

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 23953-1

Refrigerated display cabinets - Part 1: Vocabulary (ISO/DIS 23953-1:2021)

This part of ISO 23953 establishes a vocabulary of terms and definitions relative to refrigerated display cabinets used for the sale and display of foodstuffs. It is not applicable to refrigerated vending machines or cabinets intended for use in catering or similar non-retail applications. NOTE In addition to terms in English and French, two of the three official ISO languages, this part of ISO23953 gives the equivalent terms in German, Italian, and Spanish; these are published under the responsibility of the member bodies for Germany (DIN), Italy (UNI), and Spain (UNE). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

Keel: en

Alusdokumendid: ISO/DIS 23953-1; prEN ISO 23953-1

Asendab dokumenti: EVS-EN ISO 23953-1:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

prEN ISO 23953-2

Refrigerated display cabinets - Part 2: Classification, requirements and test conditions (ISO/DIS 23953-2:2021)

This part of ISO 23953 specifies requirements for the construction, characteristics and performance of refrigerated display cabinets used in the sale and display of foodstuffs. It specifies test conditions and methods for checking that the requirements have been satisfied, as well as classification of the cabinets, their marking and the list of their characteristics to be declared by the manufacturer. It is not applicable to refrigerated vending machines, commercial beverage coolers covered by ISO 22044, ice cream freezers covered by ISO 22043. It is also not applicable to cabinets intended for storage or cabinets intended for use, for instance, in catering or non-retail refrigerated applications. The standard is not intended to specify storage temperature for foodstuff.

Keel: en

Alusdokumendid: ISO/DIS 23953-2; prEN ISO 23953-2

Asendab dokumenti: EVS-EN ISO 23953-2:2015

Arvamusküsitluse lõppkuupäev: 28.02.2022

TÖLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

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

EVS-EN 16907-3:2018

Mullatööd. Osa 3: Ehitustegevus

Selles Euroopa standardis nähakse ette toimingud pinnase ja kalju kaevamise, transportimise ja paigaldamise läbiviimiseks pinnaserajatiste ehitamisel ning tööde juhendamiseks. Lisaks hõlmab see kaljumaterjalide kaevamist ja paigaldamist vee all. Pinnaste süvendamist ja sellega seotud täitematerjalide hüdraulilist paigaldamist käsitlevad EN 16907-6 ja EN 16907-7. Mullatööde teostamisel järgitakse mullatööde projekteerimise ja optimeerimise etapi järeldusi (EN 16907-1), mis peab ette nägema pinnase ja kalju eripärasid ja nende sobivust. Kui mõnda sündmust ei olnud võimalik ette näha, viiakse tööde käigus läbi täiendav projekteerimine.

Keel: et

Alusdokumendid: EN 16907-3:2018

Kommenteerimise lõppkuupäev: 29.01.2022

EVS-EN 50708-1-1:2020

Jõutrafod. Täiendavad Euroopa nõuded. Osa 1-1: Üldosa. Üldnõuded

See dokument on osa standardisarjast EN 50708, mis kehtib standardile EN 60076-1 vastavate trafode kohta.

Keel: et

Alusdokumendid: EN 50708-1-1:2020

Kommenteerimise lõppkuupäev: 29.01.2022

EVS-EN 61000-3-3:2013/A2:2021

Elektromagnetiline ühilduvus. Osa 3-3: Piirväärtused. Pingemuutuste, pingekõikumiste ja välise piiramine mittetinglike ühendustega seadmetele avalikes madalpingelistes toitesüsteemides tunnusvooluga kuni 16 A faasi kohta

Standardi EN 61000-3-3:2013 muudatus

Keel: et

Alusdokumendid: EN 61000-3-3:2013/A2:2021; IEC 61000-3-3:2013/A2:2021

Kommenteerimise lõppkuupäev: 29.01.2022

EVS-EN IEC 62061:2021

Masinate ohutus. Ohutusega seotud juhtimissüsteemide funktsionaalne ohutus

Käesolev rahvusvaheline standard määrab kindlaks nõuded ja annab soovitusi masinate ohutusega seotud juhtimissüsteemide (SCS) projekteerimiseks, integreerimiseks ja valideerimiseks. Seda kohaldatakse juhtimissüsteemidele, mida kasutatakse kas üksikult või kombineeritult niisuguste masinate ohutusfunktsioonide täitmiseks, mida töötamise ajal käsitsi ei teistsaldata, sh koordineeritult koos töötavate masinate rühma puhul. Käesolev standard on masinaehitusektori alane dokument standardi IEC 61508 (kõik osad) raamistikus. Keeruliste programmeeritavate elektrooniliste alamsüsteemide või alamsüsteemi elementide projekteerimine ei kuulu selle dokumendi reguleerimisalasse. See kuulub standardi IEC 61508 või sellega seotud standardite reguleerimisalasse; vt joonis 1. MÄRKUS 1 Niisuguseid elemente nagu kiibisüsteemid või mikrokontrolleri plaadid peetakse keerukateks programmeeritavateks elektroonilisteks alamsüsteemideks. Selle sektori standardi põhiosa määrab kindlaks üldised nõuded suure/pideva nõudlusega talitlusemooduses kasutamiseks mõeldud ohusalase juhtimissüsteemi projekteerimisele ja kontrollimisele. See dokument: – käsitleb ainult funktsionaalse ohutuse nõudeid, mille eesmärk on vähendada ohtlike olukordade riski; – piirdub riskidega, mis tulenevad otseselt masina enda või koordineeritult koos töötavate masinate rühma ohtudest; MÄRKUS 2 Nõuded muudest ohtudest tulenevate riskide maandamiseks on sätestatud asjakohase tootmisvaldkonna standardites. Näiteks juhul kui masin(ad) on osa toimuvast protsessist, on lisateave saadaval standardis IEC 61511. See dokument ei hõlma: – elektriote, mis tulenevad elektrilisest juhtimisseadmest (nt elektrilööki – vt IEC 60204-1); – muid masina tasandil vajalikke ohutusnõudeid, näiteks kaitsepiirdeid; – turvaspektide erimeetmeid – vt IEC TR 63074. See dokument ei ole mõeldud tehnoloogilise arengu piiramiseks ega pärssimiseks. Joonis 1 illustreerib selle dokumendi käsitusala.

Keel: et

Alusdokumendid: EN IEC 62061:2021; IEC 62061:2021

Kommenteerimise lõppkuupäev: 29.01.2022

prEVS-ISO 19461-1

Kiirguskaitse. Meditsiinis rakendust leidvate radioisotoopidega saastunud jäätmete mõõtmine nende vabastamise eesmärgil. Osa 1: Radioaktiivsuse mõõtmine

Käesolev dokument käsitleb meetodit, kuidas mõõta meditsiinis radioisotoope sisaldavate jäätmete aktiivsuskontsentratsiooni ning teha kindlaks jäätmete täpne hoiustamise aeg kasutades selleks sobivat doosikiiruse detektorit ja teavet radioisotoobi füüsikaliseast poolestusajast. Standard annab kontrollide ja mõõtmiste komplekti, mida järgides võib meditsiiniuasutus olla kindel, et jäätmete vabastamise hetkel vastab nende radioaktiivsus vabastamistasemele. Seda standardit saavad kasutada ka testilaborid või radioaktiivsete jäätmete käitlejad. Seda standardit võib kasutada ka juhendmaterjalina regulatsioonide loomisel. MÄRKUS Käesolev standard oma kirjeldatud meetoditega ei sobi olukordades, kus on tegemist madala gammakiirgusega puhaste beeta- või alfakiirgajatega.

Keel: et

Alusdokumendid: ISO 19461-1:2018

Kommenteerimise lõppkuupäev: 29.01.2022

prEVS-ISO 23081-2

Informatsioon ja dokumentatsioon. Metaandmed dokumentide haldamiseks. Osa 2: Kontseptuaalsed ja rakenduslikud küsimused

Käesolev dokument kehtestab metaandmelementide määratlemise raamistiku kooskõlas standardis ISO 23081-1 esitatud põhimõtete ja rakendamiskaalutlustega. Selle raamistiku eesmärk on: a) võimaldada dokumentide ja nende jaoks oluliste kontekstiolemite standardne kirjeldamine; b) tagada ühtne arusaam kindlaksmääratud rühmitustasanditest, et võimaldada dokumentide ja neid puudutava informatsiooni koostalitlus organisatsiooni erinevate süsteemide vahel; ning c) võimaldada dokumentide haldamise metaandmete järjepidev taaskasutus ja standardsus ajas, ruumis ja erinevates tarkvararakendustes. Lisaks määratletakse mõned otsustamist vajavad küsimused, millele tuleb tähelepanu osutada ja mida tuleb dokumenteerida, et dokumentide haldamise metaandmete juurutamine oleks võimalik. Määratletakse: — küsimused, millega on vaja tegeleda dokumentide haldamise metaandmete rakendamisel; — erinevad võimalused nende küsimustega tegelemiseks ja nende selgitamiseks; — erinevad otsuse langetamise viisid ning see, kuidas tehakse valikuid dokumentide haldamise metaandmete rakendamisel.

Keel: et

Kommenteerimise lõppkuupäev: 29.01.2022

ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Allpool on toodud teave eelmise EVS Teataja avaldamise järel Eesti Standardimis- ja Akrediteerimiskeskusele esitatud algupärase standardite ja standardilaadsete dokumentide koostamis-, muutmis- ja uustöötlusteapanekute 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 Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast [standardimisprogrammist](#).

prEVS 669

Kukersiitpõlevkivi. Tuhasuse määramine Kukersite oil shale - Determination of ash

Standard käsitleb kukersiitpõlevkivi tuhasuse määramise meetodit. Standardi järgi määratakse tuhasust nii kauba-põlevkivi koondproovil, ühtlustatud proovil kui ka maavara ja tehnoloogilise uuringu otstarbeks võetud kihiproovil, puursüdamikul, rikastamise jäägil ning teistel põlevkivi proovidel, mis on võetud ja valmendatud analüüsideks kooskõlas kehtiva normdokumendiga. Märkus: Tuhasus sõltub anorgaaniliste ühendite hulgast põlevkivis ja tuhasutamise tingimustest. Seetõttu on vajalik tuhasuse määramise võrreldavuse säilitamiseks tuhasutamise tingimusi rangelt täita. Standardis kasutatavad põhiterminid ja nende määratlused on toodud lisas A.

Asendab dokumenti: EVS 669:1996

Koostamisettepaneku esitaja: TTÜ Virumaa Kolledži Põlevkivi Kompetentsikeskus

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatus tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 929:2016

Tarkvõrk. Terminoloogia **Smart grid. Terminology**

Dokument esitab tarkvõrgu põhimõtete ja komponentide kirjeldamisel kasutatavad terminid ja määratlused, mis on olulised tarkvõrgu liidetavate intelligentsete elektronseadmete struktureeritud andmemudelite koostamisel, tüüpiliste rakenduste funktsionaalse arhitektuuri täiustamisel, juhtimissüsteemide vahelisel kooskõlastatud infovahetusel ning põhilistes rollides toimivate tarkvõrgu subjektide omavahelisel suhtlemisel.

Kehtima jätmise alus: EVS/TK 58 otsus 11.11.2021 2-5/49 ja teade pikendamisküsitlusest 15.11.2021 EVS Teatajas

TEADE EUROOPA STANDARDI OLEMASOLUST

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

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

EN ISO 12543-1:2021

Glass in building - Laminated glass and laminated safety glass - Part 1: Vocabulary and description of component parts (ISO 12543-1:2021)

Eeldatav avaldamise aeg Eesti standardina 03.2022

EN ISO 12543-2:2021

Glass in building - Laminated glass and laminated safety glass - Part 2: Laminated safety glass (ISO 12543-2:2021)

Eeldatav avaldamise aeg Eesti standardina 03.2022

EN ISO 12543-3:2021

Glass in building - Laminated glass and laminated safety glass - Part 3: Laminated glass (ISO 12543-3:2021)

Eeldatav avaldamise aeg Eesti standardina 04.2022

EN ISO 12543-4:2021

Glass in building - Laminated glass and laminated safety glass - Part 4: Test methods for durability (ISO 12543-4:2021)

Eeldatav avaldamise aeg Eesti standardina 04.2022

EN ISO 12543-5:2021

Glass in building - Laminated glass and laminated safety glass - Part 5: Dimensions and edge finishing (ISO 12543-5:2021)

Eeldatav avaldamise aeg Eesti standardina 04.2022

EN ISO 12543-6:2021

Glass in building - Laminated glass and laminated safety glass - Part 6: Appearance (ISO 12543-6:2021)

Eeldatav avaldamise aeg Eesti standardina 04.2022

UUED EESTIKEELSESED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

CWA 5643-2:2021

Turism ja sellega seotud teenused. Nõuded ja suunised Covid-19 leviku vähendamiseks turisminduses. Euroopa visuaalne identiteet

Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry - European visual identity

See dokument annab visuaalse identiteedi, mida Euroopa turismiettevõtted saavad CWA 5643-1:2021 kohaselt esitada, ning kehtestab nõuded ja juhised visuaalse identiteedi kasutamiseks. See dokument hõlmab ka rakendamisega seotud teatmelisasid (kontrollnimikirji), viiteid rahvuslikele standarditele ja protokollidele ning turismiettevõtete pakutava teenuse kasutajale suunatud teavet.

EVS-EN 12453:2017+A1:2021

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 dokument spetsifitseerib kasutusohutuse nõuded ja katsemeetodid masinkäitusega tööstus-, kommerts- ning garaažiustele ja -väravatele ning 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: — lüüsväravad 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 käsitlusalasusse 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 12952-10:2021

Veetorudega katlad ja abipaigaldised. Osa 10: Nõuded kaitseseadmetele kaitseks ülemäärase surve eest

Water-tube boilers and auxiliary installations - Part 10: Requirements for safety devices against excessive pressure

Selles dokumendis täpsustatakse standardis EN 12952-1:2015 määratletud nõudeid veetorukatelde ülerõhu kaitseseadmetele.

EVS-EN 12952-6:2021

Veetorudega katlad ja abipaigaldised. Osa 6: Inspekterimine katla survedetailide valmistamise, dokumenteerimise ja märgistamise ajal

Water-tube boilers and auxiliary installations - Part 6: Inspection during construction, documentation and marking of pressure parts of the boiler

See dokument määrab kindlaks nõuded veetorudega katelde inspekterimise kohta valmistamise ajal, dokumenteerimisele ja märgistamisele, nagu on määratletud standardis EN 12952-1:2015.

EVS-EN 17037:2019+A1:2021

Päevavalgus hoonetes

Daylight in buildings

Selles dokumendis kirjeldatakse elemente, mis aitavad päevavalguse abil saavutada asjakohase subjektiivse mulje valgusest siseruumides ja mis tagavad asjakohase vaate. Peale selle esitatakse soovitusel insulatsioonile pidevalt kasutatavates ruumides. Selles dokumendis antakse teavet päevavalguse kasutamise kohta siseruumide valgustamiseks ja rüüguse

vähendamiseks. Dokumentis määratletakse parameetrid, mida kasutatakse päevavalguse tingimuste hindamiseks, ning esitatakse arvutamise ja tõendamise põhimõtted. Need põhimõtted võimaldavad arvestada päevavalguse varieeruvusega päevade ja aasta jooksul. Seda dokumenti kohaldatakse kõigi ruumide suhtes, kus inimesed võivad viibida regulaarselt pikema aja vältel, välja arvatud juhul, kui päevavalgus on vastuolus tegelikult tehtava töö laadiga. Valgustusnõuete spetsifikatsioon siseruumides, kus asuvad muu hulgas visuaalseid ülesandeid täitvate inimeste töökohad, on esitatud standardis EN 12464-1 ja ei ole selle dokumendi osa.

EVS-EN 50549-2:2019

Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 2: Ühendus keskpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud)

Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B

See dokument täpsustab tehnilisi nõudeid keskpinge jaotusvõrkudega paralleelselt talitlemiseks mõeldud tootmisüksuste kaitsefunktsioonidele ja talitluslikule suutlikkusele. Praktiilistel põhjustel osutab see dokument vastutavale poolele seal, kus nõuded tuleb määratleda teisel osalisel, kes ei ole jaotusvõrguettevõtja, nt õigusliku raamistiku kohaselt põhivõrguettevõtja, liikmesriik, regulaatorid. Tavaliselt informeerib nendest nõuetest tootjat jaotusvõrguettevõtja. MÄRKUS 1 See hõlmab Euroopa võrgueeskirju ja nende riiklikku rakendamist, samuti lisanduvaid riiklikke määrusi. MÄRKUS 2 Lisaks võivad rakendada riiklikud nõuded eriti jaotusvõrguga liitumisele ja tootmisüksuse talitlemisele. Selle dokumendi nõuded kehtivad sõltumata energiaallika liigist ja olenemata koormuste olemasolust tootja võrgus tootmisüksustele, tootmismoodulitele, elektrimasinatele ja elektroonikaseadmetele, mis vastavad kõikidele järgmistele tingimustele: — muundavad mis tahes energiaallika vahelduvvoolu elektriiks; — Euroopa Komisjoni määruse (EL) 2016/631 kohaselt B-tüüpi või väiksema võimsusega tootmismoodulid, samal ajal arvestades ka riiklikul tasemel otsust võimsuse piiridele A- ja B-tüübi ning B- ja C-tüübi vahel; — ühendatud ja talitleb paralleelselt vahelduvvoolu keskpinge jaotusvõrguga. MÄRKUS 3 Madalpinge jaotusvõrguga ühendatud tootmisüksused kuuluvad standardi EN 50549-1 käsituslasse. MÄRKUS 4 Käsitletakse ka elektrienergia salvestussüsteeme (EESS), mis vastavad ülaltoodud tingimustele. Kui ühte tootmisüksusesse on ühendatud eri tüüpi (A või B) tootmismooduleid, siis lähtuvalt eri moodulite tüübist rakenduvad nendele erinevad nõuded. NÄIDE Kui tootmisüksus koosneb mitmest tootmismoodulist (vt termin 3.2.1) Euroopa Komisjoni määruse (EL) 2016/631 kohaselt, võib esineda olukord, kus mõned tootmismoodulid on A-tüüpi ja mõned on B-tüüpi. Kui jaotusvõrguettevõtja ja vastutav pool ei ole määranud teisiti, võivad tootmisüksused, mille maksimaalne näivvõimsus on kuni 150 kVA, alternatiivselt selles dokumendis esitatud nõuetele olla vastavuses standardis EN 50549-1 esitatud nõuetega. Jaotusvõrguettevõtja ja vastutav pool võivad määratleda teise lävepiiri. See dokument tunnistab liikmesriigis jaotusvõrguettevõtja või teise vastutava poole konkreetsete tehniliste nõuete (nt võrgueeskirjad) olemasolu ja neid tuleb järgida. Käsitlusel on välja jäetud: • liitumispunkti valik ja hindamine; • elektrisüsteemi mõjude hindamine, nt elektri kvaliteedi mõjude hindamine, kohalik pinge tõus, mõju liinikaitse rakendamisele; • liitumise hindamine; liitumise planeerimise osana tehtavad tehnilised vastavusanalüüsid; • tootmisüksuste saartalitus, nii tahtlik kui ka tahtmatu, kus ei ole hõlmatud ükski jaotusvõrgu osa; • ajamite nelja-kvadrantilised alalid, mis suunavad pidurdusenergiat tagasi jaotusvõrku piiratud aja jooksul ja mis ei oma sisemist primaarenergiaallikat; • katkematud toiteallikad, mille paralleeltalitus on piiratud 100 ms; MÄRKUS 5 Katkematute toiteallikate hooldusest tingitud paralleeltalitlust ei käsitleta katkematu toiteallika tavatalitlusena ja seetõttu ei käsitleta seda selles dokumendis. • personali ohutuse nõuded, kuna need on juba olemasolevate Euroopa standarditega küllaldaselt kaetud; • tootmiseseadme, -mooduli või -üksuse ühendamine alalisvooluvõrguga.

EVS-EN IEC 60445:2021

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine

Basic and safety principles for man-machine interface, marking and identification -

Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2021)

See dokument käib elektriseadmete, nagu näiteks takistite, sulavkaitsmete, releede, kontaktorite, trafode, pöörlevate masinate ja sel määral mil rakendatav, selliste seadmete kombinatsioonide (nt koostete) klemmide tuvastamise ja märgistamise kohta, aga ka teatud kindla otstarbega juhtide otsastuste tuvastamise kohta. Selles nähakse ette ka põhireeglid teatavate värvide ja tähelis-numbriliste kombinatsioonide kasutamiseks juhtide tuvastamisel, et vältida nende segiajamist ja tagada ohutut talitlust. Need juhtide värvid ja tähelis-numbrilised kombinatsioonid on ette nähtud rakendamiseks kaabli- ja juhtmesoonel, kogumislattidel, elektriseadmetel ja kaablites või paigaldistes. See ohutuse põhipublikatsioon, mis keskendub ohutuse põhinõuetele, on eeskätt ette nähtud kasutamiseks tehnilistes komiteedes standardite koostamisel põhimõtete kohaselt, mis on esitatud juhendites IEC Guide 104 ja ISO/IEC Guide 51. Standard ei ole ette nähtud kasutamiseks tootjatele ega sertifitseerimisorganisatsioonidele. Tehnilistes komiteedes üks vastutuseladest on kasutada ohutuse põhipublikatsiooni, kui vähegi võimalik, oma publikatsioonide koostamisel. Selle ohutuse põhipublikatsiooni nõuded rakenduvad üksnes siis, kui vastavates publikatsioonides on neile viidatud või kui need neisse on lisatud.

EVS-EN IEC 62031:2020/A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutuspõhimõtted

LED modules for general lighting - Safety specifications

Standardi EN IEC 62031:2020 muudatus

EVS-EN IEC 62031:2020+A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutuspõhimõtted

LED modules for general lighting - Safety specifications (IEC 62031:2018)

See dokument käsitleb järgmistele valgusdioodmoodulitele (leedmoodulitele) esitatavaid üld- ja ohutuspõhimõtteid: • mitteintegraalsed või poolintegraalsed leedmoodulid talitlemiseks konstantsel pingel, konstantsel voolul või konstantsel võimsusel; • integraalsed leedmoodulid talitlemiseks alalis-toitepingel kuni 250 V või vahelduv-toitepingel kuni 1000 V sagedusega 50 Hz või 60 Hz. Selle dokumendi käsitusallas vaadeldavad leedmoodulid võivad olla integreeritavad, sisseehitatud

või iseseisvad. See dokument ei ole rakendatav leedlampide kohta. MÄRKUS Leedmoodulite toimivusnõuded on sätestatud standardis IEC 62717. EE MÄRKUS Terminid „valgusdioodmoodul“ ja „leedmoodul“ on sünonüümid. Edaspidises eestikeelses tekstis kasutatakse ingliskeelse teksti eeskujul terminit „leedmoodul“.

EVS-EN ISO 16283-3:2016

Akustika. Heliisolatsiooni mõõtmine hoonetes ja hoone osadel. Osa 3: Fassaadi heliisolatsioon Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 3: Façade sound insulation (ISO 16283-3:2016)

Selles standardisarja ISO 16283 osas määratakse meetodid fassaadielementide (elementide meetodid) ja tervete fassaadide (üldine meetod) õhuheliisolatsiooni määramiseks helirõhu mõõtmisega. Need meetodid on ette nähtud ruumidele ruumalaga 10 m³ kuni 250 m³ sagedusalas 50 Hz kuni 5000 Hz. Testide tulemusi saab kasutada õhuheliisolatsiooni määramiseks, hindamiseks ja võrdlemiseks möbleerimata või möbleeritud ruumides, kus helivälja saab hajutada või mitte. Mõõdetud õhuheliisolatsioon sõltub sagedusest ja selle saab akustilise vastavuse iseloomustamiseks teisendada ühearvuliseks suuruseks, kasutades standardis ISO 717-1 esitatud hindamismeetodeid. Elementide meetodite eesmärk on hinnata fassaadielemendi, näiteks akna heliisolatsiooni indeksit. Kõige täpsem elementide meetod kasutab kunstliku heliallikana valjuhääldit. Teised vähem täpsed elementide meetodid kasutavad reaalsel liiklusemüra. Üldiste meetodite eesmärk on hinnata välitingimustes/siseruumides tekkiva müra taset tegelikes liikluseoludes. Kõige täpsemad üldised meetodid kasutavad heliallikana tegelikku reaalsel liiklust. Valjuhääldit saab kasutada kunstliku heliallikana, kui ruumi sees ei ole liiklusemüra tase piisav. Meetodite ülevaade on toodud tabelis 1. Elementide meetodi kasutamine valjuhääldiga annab tegeliku heliisolatsiooniindeksi, mida teatud tingimustel saab võrrelda standardi ISO 10140 kohaselt laboris mõõdetud heliisolatsiooniindeksiga. See meetod on eelistatud juhul, kui mõõtmise eesmärk on hinnata fassaadielemendi kindlaksmääratud omaduste vastavust laboratoorsetes tingimustes. Maanteeliikluse kasutamine elementide meetodi korral täidab samu eesmarke kui valjuhääldi kasutamisega elementide meetod. See on eriti hea, kui erinevatel praktilistel põhjustel ei saa kasutada elementide meetodi korral valjuhääldit. Need kaks meetodit annavad üldjuhul veidi erinevaid tulemusi. Maanteeliikluse korral heliisolatsiooniindeksi väärtused sageli madalamad kui valjuhääldi kasutamisel. Lisas D täiendatakse maanteeliikluse meetodi kasutamist lennu- ja raudteeliikluse meetoditega. Üldine maanteeliikluse meetod annab tegeliku vähenemise fassaadil antud kohas 2 m kaugusel fassaadi ees. See on eelistatud meetod, kui mõõtmise eesmärk on hinnata mõju kogu fassaadile kindlaksmääratud asukohas lähedalasuvate teede, sealhulgas kõigi külgnevate teede suhtes. Tulemust ei saa võrrelda laboratoorsete mõõtmiste tulemustega. Üldine valjuhääldi meetod annab fassaadil helisumbuvuse, nagu on fassaadist 2 m eespool. See meetod on eriti kasulik, kui praktilistel põhjustel ei saa tegelikku allikat kasutada; tulemust ei saa siiski võrrelda laboratoorsete mõõtmiste tulemustega.

EVS-EN ISO 19085-1:2021

Puidutöötlemismasinad. Ohutus. Osa 1: Ühtsed nõuded Woodworking machines - Safety - Part 1: Common requirements (ISO 19085-1:2021)

Dokument annab ohutusnõuded ja meetmed, mis vähendavad riske, mis tekivad tootmises pidevaks kasutamiseks võimaliste puidutöötlemismasinade, edaspidi nimetatud „masinad“, töötamise, seadistamise, hoolduse, transpordi, kokkupaneku, demonteerimise, lammutamise ja utiliseerimise käigus. Need ohutusnõuded ja meetmed on enamiku masinate puhul ühised, kui neid kasutatakse ettenähtud viisil ja tootja ettenähtud tingimustel; kaalutletud on ka mõistlikult ettenähtavat väärkasutust. Masinad on kavandatud täispuidu ja puiduga sarnaste füüsikaliste omadustega materjali töötlemiseks käsitsi etteande või integreeritud etteandega. Dokument on ette nähtud kasutamiseks koos teiste standardisarja ISO 19085 osadega, mida saab kasutada teatud tüüpi masinate puhul. Ulatus, kui palju on kaetud konkreetse masinatüübi kõik olulised ohud, on näidatud selle masinatüübi jaoks asjakohases standardisarja ISO 19085 eriomases osas. Selle dokumendi nõuetega vähemalt osaliselt hõlmatud ohud on loetletud lisas A. See ei ole rakendatav masinatele, mis on mõeldud kasutamiseks plahvatusohtlikus keskkonnas, ega masinatele, mis on toodetud enne selle avaldamise kuupäeva.

EVS-IEC 60050-195:2021

Rahvusvaheline elektrotehnika sõnastik. Osa 195: Maandamine ja kaitse elektrilöögi eest International Electrotechnical Vocabulary (IEV) - Part 195: Earthing and protection against electric shock (IEC 60050-195:2021, identical)

Standardisarja IEC 60050 see osa esitab maandamist ja elektrilöögivastast kaitset puudutavad põhitõed ja -määratlused. See uus väljaanne revideerib ja täiendab eelmist väljaannet. Juhendi IEC Guide 108 (Guidelines for ensuring the coherence of IEC publications – Horizontal functions, horizontal publications and their application) kohaselt on sellel horisontaalse publikatsiooni staatus. Esitatud terminid on kooskõlas rahvusvahelise elektrotehnika sõnastiku muudes eriosades välja töötatud terminitega. See horisontaalne publikatsioon on ette nähtud kasutamiseks eeskätt tehnilistes komiteedes IEC publikatsioonide väljatöötamisel juhendis IEC Guide 108 esitatud põhimõtete kohaselt. Tehnilise komitee üks kohustustest on kasutada kas iganes oma publikatsioonide väljatöötamisel horisontaalseid publikatsioone.

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.

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN 13121-2:2003	GRP paagid ja anumad kasutamiseks ülalpool maapinda. Osa 2: Komposiitmaterjalid. Keemiline vastupidavus	GRP-paagid ja -mahutid maapealseks kasutamiseks. Osa 2: Komposiitmaterjalid. Keemiline vastupidavus
EVS-EN 13121-3:2016	Maapealsed GRP mahutid ja paagid. Osa 3: Kavandamine ja tootmine	GRP-paagid ja -mahutid maapealseks kasutamiseks. Osa 3: Kavandamine ja tootmine
EVS-EN 14225-3:2017	Tuukriülikonnad. Osa 3: Aktiivjahutuse või -soojendusega ülikonnasüsteemid ja nende osad. Nõuded ja katsemeetodid	Sukeldumisülikonnad. Osa 3: Sukeldumisülikonnade süsteemid ja nende osad. Nõuded ja katsemeetodid
EVS-EN IEC 63044-5-3:2019	Kodu- ja hooneelektroonikasüsteemid ja hooneautomaatika- ja hoonejuhtimissüsteemid. Osa 5-3: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ja hooneautomaatika- ja hoonejuhtimissüsteemidele, mida kasutatakse tööstuskeskkondades	Kodu- ja hooneelektroonikasüsteemid ning hoone automaatika- ja juhtimissüsteemid. Osa 5-3: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ning hoone automaatika- ja juhtimissüsteemidele, mida kasutatakse tööstuskeskkondades

UUED EESTIKEELSESED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CWA 5643-2:2021	Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry - European visual identity	Turism ja sellega seotud teenused. Nõuded ja suunised Covid-19 leviku vähendamiseks turisminduses. Euroopa visuaalne identiteet
EVS-EN 50549-2:2019	Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B	Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 2: Ühendus keskpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud)
EVS-EN 50549-2:2019/AC:2019	Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B	Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 2: Ühendus keskpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud)
EVS-EN ISO 16283-3:2016	Acoustics - Field measurement of sound insulation in buildings and of building elements - Part 3: Façade sound insulation (ISO 16283-3:2016)	Akustika. Heliisolatsiooni mõõtmine hoonetes ja hoone osadel. Osa 3: Fassaadi heliisolatsioon

UUED HARMONEERITUD STANDARDID

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

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

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

Lisainfo:

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

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

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

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2014/68/EL

Surveseadmed

Komisjoni rakendusotsus (EL) 2021/2272,
millega muudetakse rakendusotsust (EL) 2019/1616
(EL Teataja 2021/ L 457)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse
EVS-EN 10216-5:2021 Terasest õmblusteta survetorud. Tehnilised tarnetingimused. Osa 5: Roostevabast terasest torud	21.12.2021	EN 10216-5:2013	21.06.2023
EVS-EN 10217-7:2021 Terasest keevitatud survetorud. Tehnilised tarnetingimused. Osa 7: Roostevabast terasest torud	21.12.2021	EN 10217-7:2014	21.06.2023
EVS-EN 10222-2:2017+A1:2021 Surveotstarbelised terassepised. Osa 2: Kindaksmääratud kõrgtemperatuuriliste omadustega ferriit- ja martensititerased	21.12.2021	EN 10222-2:2017	21.06.2023
EVS-EN 10222-4:2017+A1:2021 Surveotstarbelised terassepised. Osa 4: Keevitatavad kõrgtugevad peenteraterased	21.12.2021	EN 10222-4:2017	21.06.2023
EVS-EN 13445-1:2021 Leekkuumutusega surveanumad. Osa 1: Üldine	21.12.2021	EN 13445-1:2014; EN 13445-1:2014/A1:2014	21.06.2023
EVS-EN 13445-10:2021 Leekkuumutusega surveanumad. Osa 10: Täiendavad nõuded niklist või niklisulamist surveanumatele	21.12.2021		
EVS-EN 13445-2:2021 Leekkuumutusega surveanumad. Osa 2: Materjalid	21.12.2021	EN 13445-2:2014; EN 13445-2:2014/A1:2016; EN 13445-2:2014/A2:2018; EN 13445-2:2014/A3:2018	21.06.2023
EVS-EN 13445-3:2021 Leekkuumutusega surveanumad. Osa 3: Kavandamine	21.12.2021	EN 13445-3:2014; EN 13445-3:2014/A1:2015; EN 13445-3:2014/A2:2016; EN 13445-3:2014/A3:2017; EN 13445-3:2014/A4:2018; EN 13445-3:2014/A5:2018; EN 13445-3:2014/A6:2019; EN 13445-3:2014/A7:2019; EN 13445-3:2014/A8:2019	21.06.2023
EVS-EN 13445-4:2021 Leekkuumutusega surveanumad. Osa 4: Valmistamine	21.12.2021	EN 13445-4:2014	21.06.2023

EVS-EN 13445-5:2021 Leekkuumutusega surveanumad. Osa 5: Kontroll ja katsetamine	21.12.2021	EN 13445-5:2014; EN 13445-5:2014/A1:2018	21.06.2023
EVS-EN 13445-6:2021 Leekkuumutusega surveanumad. Osa 6: Nõuded keragrafiitmalmist toodetud surveanumate ja surveosade kavandamisele ja valmistamisele	21.12.2021	EN 13445-6:2014; EN 13445-6:2014/A2:2018	21.06.2023
EVS-EN 13445-8:2021 Leekkuumutusega surveanumad. Osa 8: Täiendavad nõuded alumiiniumist või alumiiniumsulamist surveosadele	21.12.2021	EN 13445-8:2014; EN 13445-8:2014/A1:2014	21.06.2023
EVS-EN 17278:2021 Maagaasisõidukid. Sõidukite tankimisseadmed	21.12.2021		