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

CEN/TR 16862:2023

Plastics welding supervisor - Task, responsibilities, knowledge, skills and competence

This Technical Report identifies the quality related responsibilities and tasks included in the supervision of activities related to the welding of products and semi-finished products made of thermoplastic materials and provides guidelines to ensure the quality of the supervision. The fundamental aspects of this Technical Report are the following: - definition of tasks and responsibilities; - definition of the required knowledge, skills and competence. The plastic welding supervisor (PWS) should be employed by the organization involved in the welding activities. This Technical Report applies to all thermoplastic welding processes.

Keel: en
Alusdokumendid: CEN/TR 16862:2023
Asendab dokumenti: CEN/TR 16862:2015

CEN/TS 17901:2023

Digital Information Interchange in the Insurance Industry - Electronic Premium Invoice - Mapping to Electronic Invoice EN 16931-1:2017

This document defines the standardized mapping of the specific requirements of an insurance premium invoice to the generic electronic invoice described in EN 16931-1. This mapping meets the requirements of an electronic premium invoice to ensure legal (including fiscal) compliance as well as business and technical demands of the insurance industry. Premium invoices can be issued by different organizations of the insurance industry to commercial clients or consumers. This document includes premium invoices issued by insurance companies as well as insurance intermediaries. This document does not deal with data protection matters in premium invoices. NOTE General Data Protection Regulation, EU Regulation 2016/679 can include requirements on personal data. Premium invoices are regularly not subject to VAT but to special taxes. In particular, the requirements resulting from insurance tax regulations are considered. Requirements for other taxes are also incorporated. The rules defined in EN 16931-1 do not support invoices with amounts not subject to VAT together with additional amounts which are subject to VAT. Therefore, this document also does not support premium invoices which invoice other goods and services which are subject to VAT invoiced together with premium amounts. Out of the scope of this document are accounting transactions between insurance companies and insurance intermediaries which may contain premium invoice data, but regularly consist of other data (e.g. commissions) which are not part of a regular invoice.

Keel: en
Alusdokumendid: CEN/TS 17901:2023

EVS-EN 14534:2023

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

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

Keel: en
Alusdokumendid: EN 14534:2023
Asendab dokumenti: EVS-EN 14534:2016
Asendab dokumenti: EVS-EN 14534:2016/AC:2017

EVS-EN 9163:2023

Aerospace series - Certificate of conformity requirements

This document provides a harmonized process and documentation requirements for the establishment of CoCs used to attest the conformity of aviation, space, and defence products (e.g. assemblies, sub-assemblies, equipment and systems, parts, material, software) or services. It includes a CoC template and supporting instructions on how to complete it. When quoted by the customer in a contractual requirement, application of this document is mandatory. In other cases, its use is recommended, but if there is a conflict between the requirements of this document and customer or applicable statutory/regulatory requirements, the latter take precedence. This document can be used by other industries that require the use/application of a CoC. Requirements for the establishment of Authorized Release Certificates (ARCs) [e.g. European Union Aviation Safety Agency (EASA) Form 1, Federal Aviation Administration (FAA) 8130-3 tag, Civil Aviation Administration of China (CAAC) Form 038] by an external provider holding a production approval (for new aviation products, production, or spares) or maintenance approval (i.e. for in service repairs, modifications, after sales maintenance, overhaul activities, inspections) are not covered by this document, as applicable rules are defined by the aviation authorities having granted these approvals.

Keel: en
Alusdokumendid: EN 9163:2023

EVS-EN IEC 62506:2023

Methods for product accelerated testing

IEC 62506:2023 provides guidance on the application of various accelerated test techniques for measurement or improvement of item reliability. Identification of potential failure modes that can be experienced in the use of an item and their mitigation is instrumental to ensure dependability of an item. The object of the methods is to either identify potential design weakness or provide information on item reliability, or to achieve necessary reliability and availability improvement, all within a compressed or accelerated period of time. This document addresses accelerated testing of non-repairable and repairable systems. It can be used for probability ratio sequential tests, fixed duration tests and reliability improvement/growth tests, where the measure of reliability can differ from the standard probability of failure occurrence. This document also extends to present accelerated testing or production screening methods that would identify weakness introduced into the item by manufacturing error, which can compromise item reliability. Services and people are however not covered by this document.

Keel: en
Alusdokumendid: IEC 62506:2023; EN IEC 62506:2023
Asendab dokumenti: EVS-EN 62506:2013

11 TERVISEHOOLDUS

EVS-EN 1789:2020+A1:2023

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Kiirabiautod
Medical vehicles and their equipment - Road ambulances

This European Standard specifies requirements for the design, testing, performance and equipping of road ambulances used for the transport, monitoring, treatment and care of patients. It contains requirements for the patient's compartment in terms of the working environment, ergonomic design and the safety of the crew and patients.This European Standard does not cover the training of the staff which is the responsibility of the authority/authorities in the country where the ambulance is to be registered. This European Standard is applicable to road ambulances capable of transporting at least one person on a stretcher and excludes the transportation of hospital beds. This standard also specifies requirements for ambulances intended to carry transport incubator systems. The European Standard covers the specific requirements of each type of road ambulance which are designated according to the patient condition e.g. patient transport road ambulance types A1, A2, B and C. This European Standard gives general requirements for medical devices carried in road ambulances and used therein and outside hospitals and clinics in situations where the ambient conditions can differ from normal indoor conditions.

Keel: en
Alusdokumendid: EN 1789:2020+A1:2023
Asendab dokumenti: EVS-EN 1789:2020

EVS-EN IEC 60601-2-19:2021/A1:2023

Elektrilised meditsiiniseadmed. Osa 2-19: Erinõuded imikuinkubaatorite esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators

Amendment to EN IEC 60601-2-19:2021

Keel: en
Alusdokumendid: IEC 60601-2-19:2020/AMD1:2023; EN IEC 60601-2-19:2021/A1:2023
Muudab dokumenti: EVS-EN IEC 60601-2-19:2021

EVS-EN IEC 60601-2-20:2020/A1:2023

Elektrilised meditsiiniseadmed. Osa 2-20: Erinõuded imikute transpordiinkubaatorite esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators

Amendment to EN IEC 60601-2-20:2020

Keel: en
Alusdokumendid: IEC 60601-2-20:2020/AMD1:2023; EN IEC 60601-2-20:2020/A1:2023
Muudab dokumenti: EVS-EN IEC 60601-2-20:2020

EVS-EN IEC 60601-2-21:2021/A1:2023

Elektrilised meditsiiniseadmed. Osa 2-21: Erinõuded väikelaste kiirgussoojendite esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers

Amendment to EN IEC 60601-2-21:2021

Keel: en
Alusdokumendid: IEC 60601-2-21:2020/AMD1:2023; EN IEC 60601-2-21:2021/A1:2023
Muudab dokumenti: EVS-EN IEC 60601-2-21:2021

EVS-EN IEC 80601-2-77:2021/A1:2023

Elektrilised meditsiiniseadmed. Osa 2-77: Erinõuded robotiseeritud kirurgiliste seadmete esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment

Amendment to EN IEC 80601-2-77:2021

Keel: en
Alusdokumendid: IEC 80601-2-77:2019/AMD1:2023; EN IEC 80601-2-77:2021/A1:2023
Muudab dokumenti: EVS-EN IEC 80601-2-77:2021

EVS-EN ISO 17664-2:2023

Tervishoiutoodete töötlemine. Meditsiiniseadme tootja esitatav teave meditsiiniseadmete töötlemiseks. Osa 2: Mittekriitilised meditsiiniseadmed
Processing of health care products - Information to be provided by the medical device manufacturer for the processing of medical devices - Part 2: Non-critical medical devices (ISO 17664-2:2021)

This document specifies requirements for the information to be provided by the medical device manufacturer for the processing of non-critical medical devices not intended to be sterilized (i.e. a medical device that is intended to come into contact with intact skin only or a medical device not intended for direct patient contact). This includes information for processing prior to use or reuse of the medical device. Processing instructions are not defined in this document. Rather, this document specifies requirements to assist manufacturers of medical devices in providing detailed processing instructions that consist of the following activities, where applicable: a) preparation before processing; b) cleaning; c) disinfection; d) drying; e) inspection and maintenance; f) packaging; g) storage; h) transportation.

Keel: en
Alusdokumendid: ISO 17664-2:2021; EN ISO 17664-2:2023

EVS-EN ISO 80601-2-55:2018/A1:2023

Elektrilised meditsiiniseadmed. Osa 2-55: Erinõuded hingamisgaaside monitori esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors - Amendment 1 (ISO 80601-2-55:2018/Amd 1:2023)

Amendment to EN ISO 80601-2-55:2018

Keel: en
Alusdokumendid: ISO 80601-2-55:2018/Amd 1:2023; EN ISO 80601-2-55:2018/A1:2023
Muudab dokumenti: EVS-EN ISO 80601-2-55:2018

EVS-EN ISO 80601-2-55:2018+A1:2023

Elektrilised meditsiiniseadmed. Osa 2-55: Erinõuded hingamisgaaside monitori esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (ISO 80601-2-55:2018 + ISO 80601-2-55:2018/Amd 1:2023)

IEC 60601-1:2005+Amd 1:2012+Amd 2:2020, 1.1 is replaced by: This document specifies particular requirements for the BASIC SAFETY and ESSENTIAL PERFORMANCE of a RESPIRATORY GAS MONITOR (RGM), hereafter referred to as ME EQUIPMENT, intended for CONTINUOUS OPERATION for use with a PATIENT. This document specifies requirements for — anaesthetic gas monitoring, — carbon dioxide monitoring, and — oxygen monitoring. NOTE 1 An RGM can be either stand-alone ME EQUIPMENT or integrated into other equipment, e.g. an anaesthetic workstation or a ventilator. This document is not applicable to an RGM intended for use with flammable anaesthetic agents. If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant. HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+Amd 1:2012+Amd 2:2020, 7.2.13 and 8.4.1. NOTE 2 Additional information can be found in IEC 60601-1:2005+Amd 1:2012+Amd 2:2020, 4.2.

Keel: en
Alusdokumendid: ISO 80601-2-55:2018; EN ISO 80601-2-55:2018; ISO 80601-2-55:2018/Amd 1:2023; EN ISO 80601-2-55:2018/A1:2023
Konsolideerib dokumenti: EVS-EN ISO 80601-2-55:2018
Konsolideerib dokumenti: EVS-EN ISO 80601-2-55:2018/A1:2023

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 12941:2023

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisseadised, millel on avar hingamisliides. Nõuded, katsetamine, märgistus
Respiratory protective devices - Powered filtering devices incorporating a loose fitting respiratory interface - Requirements, testing, marking

This document specifies minimum requirements for powered filtering Respiratory Protective Devices (RPD) incorporating a loose fitting respiratory interface (RI). It does not cover devices designed for use in circumstances where there is or might be an oxygen deficiency. Escape RPD and filters for use against CO are not covered by this document. Laboratory and practical performance tests are included for the assessment of compliance with the requirements.

Keel: en
Alusdokumendid: EN 12941:2023
Asendab dokumenti: EVS-EN 12941:1999
Asendab dokumenti: EVS-EN 12941:1999/A1:2004
Asendab dokumenti: EVS-EN 12941:1999/A2:2008

EVS-EN 12942:2023

Hingamisteede kaitsevahendid. Sundventilatsiooniga täismaskide, poolmaskide või veerandmaskidega filtreerimisseadmed. Nõuded, katsetamine, märgistus
Respiratory protective devices - Powered filtering devices incorporating full face masks, half masks or quarter masks - Requirements, testing, marking

This document specifies minimum requirements for powered Respiratory Protective Devices (RPD) incorporating a tight-fitting respiratory interface. It does not cover devices designed for use in circumstances where there is or might be an oxygen deficiency. Escape RPD and filters for use against CO are not covered by this document. Laboratory tests and practical performance tests are included for the assessment of compliance with the requirements.

Keel: en
Alusdokumendid: EN 12942:2023
Asendab dokumenti: EVS-EN 12942:1999
Asendab dokumenti: EVS-EN 12942:1999/A1:2003
Asendab dokumenti: EVS-EN 12942:1999/A2:2008

EVS-EN 14025:2023

Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

This document specifies the minimum requirements for the design and construction of metallic pressure tanks for the transport of dangerous goods by road and rail and sea. It is not applicable to gravity-discharge tanks according to RID/ADR 6.8.2.1.14 (a). This document includes requirements for openings, closures and structural equipment; it does not cover requirements of service equipment. For tanks for the transport of cryogenic liquids, EN 13530-1 and EN 13530-2 apply. Design and construction of pressure tanks according to the Scope of this document are primarily subject to the requirements of RID/ADR, Subsections 6.8.2.1, 6.8.3.1 and 6.8.5, as relevant. In addition, the relevant requirements of RID/ADR, Table A, columns 12 and 13, to Chapters 3.2, 4.3 and Subsection 6.8.2.4 apply. For the structural equipment RID/ADR, Subsections 6.8.2.2 and 6.8.3.2 apply, as relevant. The definitions of RID/ADR, Subsection 1.2.1, are referred to. For portable tanks see also RID/ADR, Chapter 4.2 and Sections 6.7.2

and 6.7.3. In addition, the relevant requirements of RID/ADR, Table A, Columns 10 and 11 to Chapters 3.2, 4.2, and Sections 6.7.2 and 6.7.3 apply. The paragraph numbers above relate to the 2017 issue of RID/ADR which are subject to regular revisions. This can lead to temporary non-compliances with EN 14025. This document is applicable to liquefied gases including LPG; however for a dedicated LPG standard see EN 12493. If not otherwise specified, provisions which take up the whole width of the page apply to all kind of tanks. Provisions contained in a single column apply only to: -tanks according to RID/ADR Chapter 6.8 (left-hand column); -portable tanks according to RID/ADR Chapter 6.7 (right-hand column).

Keel: en
Alusdokumendid: EN 14025:2023
Asendab dokumenti: EVS-EN 14025:2018
Asendab dokumenti: EVS-EN 14025:2018/AC:2020

EVS-EN 14662-1:2023

Ambient air quality - Standard method for measurement of benzene concentrations - Part 1: Pumped sampling followed by thermal desorption and gas chromatography

This document gives general guidance for the sampling and analysis of benzene in air by pumped sampling, thermal desorption and capillary gas chromatography. This document is in accordance with the generic methodology selected as the basis of the European Union reference method for the determination of benzene in ambient air [1] for the purpose of comparison of measurement results with limit values with a one-year reference period. This document is valid for the measurement of benzene in a concentration range of approximately 0,5 µg/m3 to 50 µg/m3. Air samples are typically collected over periods ranging from a few hours to 7 days. The upper limit of the useful range is set by the sorptive capacity (the safe sampling volume) of the sorbent and by the linear dynamic range of the gas chromatograph column and detector or by the sample splitting capacity of the analytical instrumentation used. The lower limit of the useful range depends on the noise level of the detector and on blank levels of benzene and/or interfering artefacts on the sorbent. Artefacts are typically sub ng for graphitised carbon sorbents, but higher levels of aromatic hydrocarbons have been noted in other sorbents - e.g. porous polymers. The detection limit will be approximately 1/10 of the lower concentration range. This document provides general guidance for the sampling of benzene using either a single sampler, which is changed manually after every exposure period, or a multi-sampler capable of storing and exposing multiple samples without user intervention.

Keel: en
Alusdokumendid: EN 14662-1:2023
Asendab dokumenti: EVS-EN 14662-1:2005

EVS-EN 14944-3:2023

Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementititous products

This European Standard specifies a method to determine the migration of substances from factory made cementitious products into test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes etc., intended to be used for the transport and storage of water intended for human consumption, including raw water used for the production of drinking water.

Keel: en
Alusdokumendid: EN 14944-3:2023
Asendab dokumenti: EVS-EN 14944-3:2007

EVS-EN 15267-3:2023

Air quality - Assessment of air quality monitoring equipment - Part 3: Performance criteria and test procedures for stationary automated measuring systems for continuous monitoring of emissions from stationary sources

This document specifies the performance criteria and test procedures for the performance test of stationary automated measuring systems (AMS) that continuously measure gases and particulate matter in, and flow of, the waste gas from stationary sources. This document supports the requirements of particular EU Directives. It provides the detailed procedures covering the QAL1 requirements of EN 14181 and, where required, input data used in QAL3.

Keel: en
Alusdokumendid: EN 15267-3:2023
Asendab dokumenti: EVS-EN 15267-3:2008

EVS-EN 15267-4:2023

Air quality - Assessment of air quality monitoring equipment - Part 4: Performance criteria and test procedures for portable automated measuring systems for periodic measurements of emissions from stationary sources

This document specifies the general performance criteria and test procedures for the performance test of portable automated measuring systems (P-AMS) used for periodic measurements of stationary source emissions. It applies to the performance test of P-AMS based on measurement techniques specified by the standard reference method (SRM) or an alternative method (AM). The performance test is based on the general performance criteria and test procedures specified in this document and on the specific requirements specified for the SRM or AM. This includes testing of the applicability and correct implementation of the QA/QC procedures specified for the SRM or AM. This document supports the requirements of particular EU Directives.

Keel: en
Alusdokumendid: EN 15267-4:2023
Asendab dokumenti: EVS-EN 15267-4:2017

EVS-EN 17428:2023

Packaging - Determination of the degree of disintegration under simulated home composting conditions

This document specifies a laboratory scale test method for determining the degree of disintegration of test items when exposed to well-managed home composting conditions by the weight evaluation method (WE method) using sieving and evaluation by weighing. The test method is not applicable for the determination of the biodegradability of test items under home composting conditions. Additional testing is necessary for making claims concerning the suitability for home composting. This document is not appropriate for claims relating to the suitability for home composting. This test method is carried out at laboratory scale under controlled conditions. Therefore, it does not reproduce any real home composting conditions, but it is devised to gain information on the potential of the test item to disintegrate sufficiently. A test item that passes this test is assumed to be capable of undergoing full disintegration in a 12 months home composting cycle carried out under well managed conditions. For features of well-managed home composting see EN 17427:2022, Annex E.

Keel: en
Alusdokumendid: EN 17428:2023

EVS-EN 17818:2023

Devices for in-situ generation of biocides - Active chlorine generated from sodium chloride by electrolysis

This document defines the minimum requirements for treatment systems, which generate the active substance - “Active chlorine” - from sodium chloride by electrolysis for on-site (in situ) operation. The in situ generated active substance (IGAS), in this case active chlorine, may be put into a solution (“off-line”) or directly generated in the pipes (“in-line”). This document specifies the device construction, and test methods for the equipment used for in situ generation of active chlorine. It specifies requirements for instructions for installation, operation, maintenance, safety and for documentation to be provided with the product. The in situ generation of active substances and the placing of their precursors on the EU market are subject to the specifications of the Biocidal Products Regulation (EU) 528/2012 [“Biocidal products”]. Active substances, generated by devices, which are claiming compliance with this document, shall comply with the BPR for both the registered active chlorine, quality standards and the precursor in accordance with appropriate application and “Product Type” as listed in the BPR. This standard does not identify applications for in situ devices for generation of active chlorine. The range of applications for in situ generation of chlorine is diverse. It is the responsibility of the economic operator/product supplier, claiming compliance with this standard, to identify the appropriate system type and operating conditions for the specific application and to: - specify the quality of the biocide appropriate to the application. This may be defined in national or international standards; - specify the appropriate product type and operating conditions (concentration, dosage rate and quality of the active chlorine); - specify any other regulatory requirements relevant to the specific application; - specify the appropriate precursor sodium chloride, for the application; - and to label the product accordingly.

Keel: en
Alusdokumendid: EN 17818:2023

EVS-EN 17873:2023

Flexible sheets for waterproofing - Underlays for discontinuous roof coverings and walls - Instructions for mounting and fixing for reaction to fire testing

This document specifies instructions for mounting and fixing for reaction to fire testing of factory-made underlays for discontinuous roof coverings and walls and contains provisions for direct and extended application rules. These mounting and fixing procedures are not intended to be used for flat roofed waterproofing applications.

Keel: en
Alusdokumendid: EN 17873:2023

EVS-EN 360:2023

Kukkumisvastased isikukaitsevahendid. Sissetõmbavad kukkumist pidurdavad vahendid Personal fall protection equipment - Retractable type fall arresters

Selles dokumendis täpsustatakse nõuded, katsemeetodid, märgistus, tootja kasutusjuhised ja teave sissetõmbavate kukkumist pidurdavate vahendite (SKPV-d) kohta ning see hõlmab ühe ja kahe sissetõmmatava turvaliiniga SKPV-sid, mis on osa mõnest standardiga EN 363:2018 hõlmatud kukkumist pidurdavast süsteemist. Seda Euroopa standardit ei kohaldata ühe ja kahe turvaliiniga SKPV-dele, mida kasutatakse spordi- või huvitegevuses.

Keel: en
Alusdokumendid: EN 360:2023
Asendab dokumenti: EVS-EN 360:2002

EVS-EN 50365:2023

Pingealune töö. Kesk- ja madalpingepaigaldistes kasutatavad elektriisolatsiooniga kiivrid Live Working - Electrically insulating helmets for use on low and medium voltage installations

This standard is applicable to electrically insulating helmets used for working live or close to live parts on installations not exceeding 1 000 V AC or 1 500 V DC. These helmets, when used in conjunction with other electrically insulating protective equipment prevent dangerous current from passing through persons via their head.

Keel: en
Alusdokumendid: EN 50365:2023
Asendab dokumenti: EVS-EN 50365:2003

EVS-EN IEC 60335-1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

This European Standard deals with the safety of electrical appliances for household environment and commercial purposes, their rated voltage being not more than 250 V for single-phase and 480 V for others.

Keel: en
Alusdokumendid: IEC 60335-1:2020; IEC 60335-1:2020/COR1:2021; EN IEC 60335-1:2023
Asendab dokumenti: EVS-EN 60335-1:2012
Asendab dokumenti: EVS-EN 60335-1:2012/A1:2019
Asendab dokumenti: EVS-EN 60335-1:2012/A11:2014
Asendab dokumenti: EVS-EN 60335-1:2012/A13:2017
Asendab dokumenti: EVS-EN 60335-1:2012/A14:2019
Asendab dokumenti: EVS-EN 60335-1:2012/A15:2021
Asendab dokumenti: EVS-EN 60335-1:2012/A16:2023
Asendab dokumenti: EVS-EN 60335-1:2012/A2:2019
Asendab dokumenti: EVS-EN 60335-1:2012/AC:2014
Asendab dokumenti: EVS-EN 60335-1:2012+A11:2014
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13:2017
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

EVS-EN IEC 60335-1:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

This European Standard deals with the safety of electrical appliances for household environment and commercial purposes, their rated voltage being not more than 250 V for single-phase and 480 V for others.

Keel: en
Alusdokumendid: EN IEC 60335-1:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-1:2023

EVS-EN IEC 60335-2-14:2023+A1+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-14: Erinõuded köögimasinatele
Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2016 + IEC 60335-2-14:2016/A1:2019)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of appliances that are within the scope of this standard are – bean slicers; – berry-juice extractors; – blenders; – can openers; – centrifugal juicers; – churns; – citrus-fruit squeezers; – coffee mills not exceeding 500 g hopper capacity; – cream whippers; – egg beaters; – food mixers; – food processors; – grain grinders not exceeding 3 l hopper capacity; – graters; – ice-cream machines, including those for use in refrigerators and freezers; – knife sharpeners; – knives; – mincers; – noodle makers; – potato peelers; – shredders; – sieving machines; – slicing machines. Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally to process food for commercial consumption, the appliance is not considered to be for household and similar use only. NOTE 102 Use of a kitchen machine in bed and breakfast premises, for example, is considered to be household use. As far as is practicable, this document deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account children playing with appliances and their use by very young children. It does not take into account the use of the following appliances by young children and by older children: — bean slicers; — berry-juice extractors; — blenders and hand-held blenders; — centrifugal juicers; — coffee mills not exceeding 500 g hopper capacity; — churns; — food mixers; — food processors; — grain grinders not exceeding 3 l hopper capacity; — knife sharpeners; — knives; — mincers; — noodle makers; — potato peelers; — shredders; — sieving machines; — slicing machines. It furthermore does not take into account the use of the following appliances by young children without supervision: — can openers; — citrus-fruit squeezers; — cream whippers; — egg beaters; — graters; — ice-cream machines, including those for use in refrigerators and freezers. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. NOTE 103 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 104 This standard does not apply to – slicing machines having a circular knife the blade of which is inclined at an angle exceeding 45° to the vertical; – food waste disposers (IEC 60335-2-16); – ice-cream appliances with incorporated motor compressors (IEC 60335-2-24); – kitchen machines intended for commercial purposes (IEC 60335-2-64); – kitchen machines intended for industrial purposes; – kitchen machines intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

Keel: en
Alusdokumendid: EN IEC 60335-2-14:2023; IEC 60335-2-14:2016; EN IEC 60335-2-14:2023/A1:2023; IEC 60335-2-14:2016/AMD1:2019; EN IEC 60335-2-14:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023/A11:2023

EVS-EN IEC 60335-2-60:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele

Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric whirlpool baths for indoor use and whirlpool spas, 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 applies to appliances for circulating air or water in conventional baths. Appliances not intended for normal household use but that 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 places, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. 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. 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 water supply authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 102 This standard does not apply to – equipment for water circulation in swimming and motion exercise pools; – cleaning appliances for swimming pools; – appliances intended for medical 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).

Keel: en
Alusdokumendid: IEC 60335-2-60:2017; EN IEC 60335-2-60:2023
Asendab dokumenti: EVS-EN 60335-2-60:2003
Asendab dokumenti: EVS-EN 60335-2-60:2003/A1:2005
Asendab dokumenti: EVS-EN 60335-2-60:2003/A11:2010
Asendab dokumenti: EVS-EN 60335-2-60:2003/A12:2010
Asendab dokumenti: EVS-EN 60335-2-60:2003/A2:2008

EVS-EN IEC 60335-2-60:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele

Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Endorsement of the text of the International Standard IEC 60335-2-60:2017 with the related agreed European Common Modifications.

Keel: en
Alusdokumendid: EN IEC 60335-2-60:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-60:2023

EVS-EN IEC 60335-2-81:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele

Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

This European Standard deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: EN IEC 60335-2-81:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN ISO 12311:2023

Personal protective equipment - Test methods for sunglasses and related eyewear (ISO 12311:2023)

This document specifies reference's test methods for determining the properties of sunglasses given in ISO 12312 (all parts). It is applicable to all sunglasses and related eyewear. Other test methods can be used if proven to be equivalent.

Keel: en
Alusdokumendid: ISO 12311:2023; EN ISO 12311:2023
Asendab dokumenti: EVS-EN ISO 12311:2013

EVS-EN ISO 13577-2:2023

Tööstuslikud ahjud ja seotud töötlusseadmed. Ohutus. Osa 2: Põletus- ja kütusekäitlusseadmed

Industrial furnaces and associated processing equipment - Safety - Part 2: Combustion and fuel handling systems (ISO 13577-2:2023)

This document specifies the safety requirements for combustion and fuel handling systems that are part of industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines. NOTE The general safety requirements common to TPE are provided in ISO 13577-1:2016. ISO 13577-1:2016, Annex B also includes a list of processes for which industrial furnaces and heating systems covered by the ISO 13577 series are used. This document deals with significant hazards, hazardous situations and events relevant to combustion and fuel handling systems as listed in Annex A, when used as intended and under the conditions for use as described in the instruction handbook. This document covers: — fuel pipework downstream of and including the manual isolating valve; — combustion air supply (including oxygen and oxygen enriched combustion air) and flue gas system; — burner(s), burner system and ignition device; — functional requirements for safety related control system. This document applies to any oxidation of gaseous and liquid fuels with air or other gases containing free oxygen to release thermal energy in TPE. Annex B includes examples of gaseous and liquid fuels. For thermal or catalytic post combustion and waste incineration, this document applies only to auxiliary burners designed to start-up and/or support the process. The pressure hazard of the piping and components covered by this document is within the maximum pressure/size relationship of category I as specified in Annex C. This document also gives the necessary requirements regarding information for use. This document does not cover hazards from heating generated by electricity. This document does not deal with the hazards created by the release of flammable substances from the products processed in the TPE. This document is not applicable to combustion and fuel handling systems: — of gas welding and allied processes; — up-stream of the TPE manual isolating valve. This document is not applicable to industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines manufactured before the date of its publication. This document is not applicable to blast furnaces, converters (in steel plants), boilers, fired heaters (including reformer furnaces) in the petrochemical and chemical industries. This document is not applicable to electrical cabling and power cabling upstream of the TPE control panel/protective system.

Keel: en
Alusdokumendid: ISO 13577-2:2023; EN ISO 13577-2:2023
Asendab dokumenti: EVS-EN 746-2:2010

EVS-ISO 10849:2023

Paiksete heiteallikate heited. Lämmastikoksiidide massikontsentratsiooni määramine suitsugaasides. Automaatmõõtesüsteemi suutlikkusnäitajad

Stationary source emissions - Determination of the mass concentration of nitrogen oxides in flue gas - Performance characteristics of automated measuring systems (ISO 10849:2022, identical)

See dokument täpsustab lämmastikoksiidide (NOx) määramise meetodi paiksete heiteallikate suitsugaasides ning kirjeldab automaatmõõtesüsteemi põhikonstruktsiooni ja peamisi suutlikkusnäitajaid. Meetod võimaldab NOx suitsugaaside kontsentratsiooni pidevat seiret püsivalt paigaldatud mõõtesüsteemidega. See dokument kirjeldab gaasi väljavõtuga (ekstraktiivse) ja mitteekstraktiivse (saasteallikasiseste (in situ)) süsteeme erinevate analüsaatoritega, mille töö põhineb näiteks järgmistel meetoditel: — kemoluminestsents (chemiluminescence, CL); — dispersioonita infrapunaspektroskoopia (infrared absorption, NDIR); — Fourier'i teisendusega infrapuna (Fourier transform infrared, FTIR) spektroskoopia; — dispersioonita ultraviolettspektroskoopia (ultraviolet absorption, NDUV); — diferentsiaalne optiline absorptsioonspektromeetria (differential optical absorption spectroscopy, DOAS). Kasutada võib ka muid samaväärseid mõõtemeetodeid, näiteks laserspektroskoopilisi tehnikaid, eeldusel, et need vastavad selles dokumendis sätestatud suutlikkuse miinimumnõuetele. Mõõtesüsteemi saab valideerida võrdlusmaterjalidega selle dokumendi kohaselt või võrreldavate meetoditega. Eespool loetletud meetoditel põhinevat automaatmõõtesüsteemi (automated measuring system, AMS) on edukalt kasutatud selles rakenduses mõõtevahemike jaoks, nagu on näidatud lisas F.

Keel: en
Alusdokumendid: ISO 10849:2022
Asendab dokumenti: EVS-ISO 10849:2006

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 60763-2:2007/A1:2023

Specification for laminated pressboard - Part 2: Methods of test

Amendment to EN 60763-2:2007

Keel: en
Alusdokumendid: IEC 60763-2:2007/AMD1:2023; EN 60763-2:2007/A1:2023
Muudab dokumenti: EVS-EN 60763-2:2007

EVS-EN ISO 4351:2023

Geometrical product specifications (GPS) - Association (ISO 4351:2023)

This document gives the terminology and basic concepts of association, including objective functions and association constraints and material offset. This document is not intended to specify association defaults and GPS syntax which are introduced in other (ISO GPS) International Standards. NOTE The association can be used to establish for example: — a datum; — a reference

feature for a geometrical specification or for a surface texture specification; — an associated toleranced feature; — any dimensional characteristic; — an intersection plane, an orientation plane, a collection plane or a direction feature.

Keel: en
Alusdokumendid: ISO 4351:2023; EN ISO 4351:2023

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN IEC 62506:2023

Methods for product accelerated testing

IEC 62506:2023 provides guidance on the application of various accelerated test techniques for measurement or improvement of item reliability. Identification of potential failure modes that can be experienced in the use of an item and their mitigation is instrumental to ensure dependability of an item. The object of the methods is to either identify potential design weakness or provide information on item reliability, or to achieve necessary reliability and availability improvement, all within a compressed or accelerated period of time. This document addresses accelerated testing of non-repairable and repairable systems. It can be used for probability ratio sequential tests, fixed duration tests and reliability improvement/growth tests, where the measure of reliability can differ from the standard probability of failure occurrence. This document also extends to present accelerated testing or production screening methods that would identify weakness introduced into the item by manufacturing error, which can compromise item reliability. Services and people are however not covered by this document.

Keel: en
Alusdokumendid: IEC 62506:2023; EN IEC 62506:2023
Asendab dokumenti: EVS-EN 62506:2013

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 1106:2022+A1:2023

Gaasiseadmete käsijuhitavad kraanid
Manually operated taps for gas burning appliances

EN 13611:2019, Clause 1 applies with the following modification and addition: Modification: The 1st paragraph of EN 13611:2019, Clause 1 is replaced by: This document specifies the safety, design, construction, and performance requirements and testing for manually operated taps and presetting taps for burners and appliances burning one or more gaseous fuels, hereafter referred to as "taps". This document is applicable to taps with declared maximum inlet pressures up to and including 50 kPa and of nominal connection sizes up to and including DN 50 for use with one or more fuel gases. Addition: This document is not applicable to: a) manual operated shut-off valves conforming to EN 331:2015; b) controls which use auxiliary energy (e.g. electrical energy supplied externally). The 4th paragraph of EN 13611:2019, Clause 1 is removed.

Keel: en
Alusdokumendid: EN 1106:2022+A1:2023
Asendab dokumenti: EVS-EN 1106:2022

EVS-EN 13480-4:2017/A1:2023

Metallist tööstustorustik. Osa 4: Valmistamine ja paigaldamine
Metallic industrial piping - Part 4: Fabrication and installation

This Part of this European Standard specifies the requirements for fabrication and installation of piping systems, including supports, designed in accordance with EN 13480-3:2017.

Keel: en
Alusdokumendid: EN 13480-4:2017/A1:2023
Muudab dokumenti: EVS-EN 13480-4:2017

EVS-EN 13480-4:2017/A2:2023

Metallist tööstustorustik. Osa 4: Valmistamine ja paigaldamine
Metallic industrial piping - Part 4: Fabrication and installation

This Part of this European Standard specifies the requirements for fabrication and installation of piping systems, including supports, designed in accordance with EN 13480-3:2017.

Keel: en
Alusdokumendid: EN 13480-4:2017/A2:2023
Muudab dokumenti: EVS-EN 13480-4:2017

EVS-EN 14025:2023

Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

This document specifies the minimum requirements for the design and construction of metallic pressure tanks for the transport of dangerous goods by road and rail and sea. It is not applicable to gravity-discharge tanks according to RID/ADR 6.8.2.1.14 (a). This document includes requirements for openings, closures and structural equipment; it does not cover requirements of service equipment. For tanks for the transport of cryogenic liquids, EN 13530-1 and EN 13530-2 apply. Design and construction of pressure tanks according to the Scope of this document are primarily subject to the requirements of RID/ADR, Subsections 6.8.2.1, 6.8.3.1 and 6.8.5, as relevant. In addition, the relevant requirements of RID/ADR, Table A, columns 12 and 13, to Chapters 3.2,

4.3 and Subsection 6.8.2.4 apply. For the structural equipment RID/ADR, Subsections 6.8.2.2 and 6.8.3.2 apply, as relevant. The definitions of RID/ADR, Subsection 1.2.1, are referred to. For portable tanks see also RID/ADR, Chapter 4.2 and Sections 6.7.2 and 6.7.3. In addition, the relevant requirements of RID/ADR, Table A, Columns 10 and 11 to Chapters 3.2, 4.2, and Sections 6.7.2 and 6.7.3 apply. The paragraph numbers above relate to the 2017 issue of RID/ADR which are subject to regular revisions. This can lead to temporary non-compliances with EN 14025. This document is applicable to liquefied gases including LPG; however for a dedicated LPG standard see EN 12493. If not otherwise specified, provisions which take up the whole width of the page apply to all kind of tanks. Provisions contained in a single column apply only to: -tanks according to RID/ADR Chapter 6.8 (left-hand column); -portable tanks according to RID/ADR Chapter 6.7 (right-hand column).

Keel: en
Alusdokumendid: EN 14025:2023
Asendab dokumenti: EVS-EN 14025:2018
Asendab dokumenti: EVS-EN 14025:2018/AC:2020

EVS-EN 17038-4:2023

Pumps - Methods of qualification of the Energy Efficiency Index for rotodynamic pump units - Part 4: Testing and calculation of energy efficiency index (EEI) of submersible multistage pump units

This document specifies methods and procedures for testing, calculating, and determining the Energy Efficiency Index (EEI) of submersible multistage pump units.

Keel: en
Alusdokumendid: EN 17038-4:2023

EVS-EN 1854:2022+A1:2023

Gaasi- ja/või vedelkütuste põletite ja seadmete ohutus- ja juhtseadmed. Gaasipõletite ja gaasiseadmete rõhu sensorseadised
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - Pressure sensing devices for gas burners and gas burning appliances

EN 13611:2019, Clause 1 applies with the following modification: Modification: The 1st paragraph of EN 13611:2019, Clause 1 is replaced by: This document specifies the safety, design, construction, and performance requirements and testing of pressure sensing devices for burners and appliances burning one or more gaseous fuels. This document is applicable to pressure sensing devices for gaseous fuels, air, or combustion products with declared maximum inlet pressures up to and including 500 kPa. It applies to all types of pressure sensing devices, including electronic, differential and inferential types. It also specifies requirements for pressure sensing devices which are intended to be applied to steam boilers and as such need to meet increased reliability requirements. EN 13611:2019 Clause 1, 4th paragraph is not applicable.

Keel: en
Alusdokumendid: EN 1854:2022+A1:2023
Asendab dokumenti: EVS-EN 1854:2022

EVS-EN 253:2019+A1:2023

District heating pipes - Bonded single pipe systems for directly buried hot water networks - Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and a casing of polyethylene

This document specifies requirements and test methods for straight lengths of factory made thermally insulated bonded single pipe assemblies for hot water networks in accordance with EN 13941-1, comprising a steel service pipe, polyurethane foam thermal insulation and a casing of polyethylene. The pipe assembly can also include the following additional elements: measuring wires, spacers and diffusion barriers.

Keel: en
Alusdokumendid: EN 253:2019+A1:2023
Asendab dokumenti: EVS-EN 253:2019

EVS-EN 751-3:2022+A1:2023

Tihendusmaterjalid metallist keermesühendustele kontaktis 1., 2. ja 3. perekonna gaasidega ja kuuma veega. Osa 3: Kuumutamata PTFE teibid ja nöörid
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes and PTFE strings

This document specifies requirements and test methods for unsintered polytetrafluorethylene (PTFE) tapes and polytetrafluorethylene (PTFE) strings (PTFE tapes or PTFE strings, for short) which are suitable for sealing threaded metallic joints as specified in EN 10226-1:2004. This document covers two classes of PTFE tapes and PTFE strings suitable for fine (F) and coarse (G) threads. The PTFE tapes and PTFE strings are used as sealing materials for metallic threaded joints in contact with 1st family gases (town gas), 2nd family gases (natural gas) and 3rd family gases (liquefied petroleum gases (LPG)) up to 500 kPa, up to 700 kPa for hot water of heating systems, and up to 20 kPa in gas appliances and their auxiliary equipment. The maximum working pressure covered in this document is 2000 kPa which is relevant to LPG storage. The temperature range is limited to −20 °C to 125 °C

Keel: en
Alusdokumendid: EN 751-3:2022+A1:2023
Asendab dokumenti: EVS-EN 751-3:2022

EVS-EN 88-1:2022+A1:2023

Gaasipõletite ja gaasiseadmete ohutus- ja juhtseadmed. Osa 1: Rõhuregulaatorid sisendrõhule kuni 50 kPa (k.a)

Safety and control devices for gas burners and gas burning appliances - Part 1: Pressure regulators for inlet pressures up to and including 50 kPa

EN 13611:2019, Clause 1 applies with the following modification and addition: Modification: The 1st paragraph of EN 13611:2019, Clause 1 is replaced by: This document specifies the safety, design, construction, and performance requirements and testing for pressure regulators and pneumatic gas/air ratio pressure regulators (zero pressure regulators are included as a special type of pneumatic gas/air ratio pressure regulators) for burners and appliances burning one or more gaseous fuels, hereafter referred to as “pressure regulators”. This document is applicable to pressure regulators with declared maximum inlet pressures up to and including 50 kPa and of nominal connection sizes up to and including DN 250. Addition: This document is applicable to: - pressure regulators which use auxiliary energy; - pneumatic gas/air ratio pressure regulators, which function by controlling a gas outlet pressure in response to an air signal pressure, air signal differential pressure, and/or to a furnace pressure signal (zero pressure regulators are included as a special type of pneumatic gas/air ratio pressure regulators); - pneumatic gas/air ratio pressure regulators, which change an air outlet pressure in response to a gas signal pressure or a gas signal differential pressure. This document is not applicable to: - pressure regulators connected directly to a gas distribution network or to a container that maintains a standard distribution pressure; - pressure regulators intended for gas appliances to be installed in the open air and exposed to the environment; - mechanically linked gas/air ratio controls; - electronic gas/air ratio controls (EN 12067 2:2022). The 4th paragraph of EN 13611:2019, Clause 1 is removed.

Keel: en
Alusdokumendid: EN 88-1:2022+A1:2023
Asendab dokumenti: EVS-EN 88-1:2022

25 TOOTMISTEHNOLOOGIA

CEN/TR 16862:2023

Plastics welding supervisor - Task, responsibilities, knowledge, skills and competence

This Technical Report identifies the quality related responsibilities and tasks included in the supervision of activities related to the welding of products and semi-finished products made of thermoplastic materials and provides guidelines to ensure the quality of the supervision. The fundamental aspects of this Technical Report are the following: - definition of tasks and responsibilities; - definition of the required knowledge, skills and competence. The plastic welding supervisor (PWS) should be employed by the organization involved in the welding activities. This Technical Report applies to all thermoplastic welding processes.

Keel: en
Alusdokumendid: CEN/TR 16862:2023
Asendab dokumenti: CEN/TR 16862:2015

EVS-EN IEC 62453-302:2023

Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2

Communication Profile Family 2 (commonly known as CIPTM1) defines communication profiles based on IEC 61158-2 Type 2, IEC 61158-3-2, IEC 61158-4-2, IEC 61158-5-2, IEC 61158-6-2, and IEC 62026-3. The basic profiles CP 2/1 (ControlNetTM2), CP 2/2 (EtherNet/IPTM3), and CP 2/3 (DeviceNetTM1) are defined in IEC 61784-1 and IEC 61784-2. An additional communication profile (CompoNetTM1), also based on CIPTM, is defined in [15]. This part of IEC 62453 provides information for integrating the CIPTM technology into the FDT interface specification (IEC 62453-2). This part of IEC 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Keel: en
Alusdokumendid: IEC 62453-302:2023; EN IEC 62453-302:2023
Asendab dokumenti: EVS-EN 62453-302:2017

EVS-EN ISO 13577-2:2023

Tööstuslikud ahjud ja seotud töötlusseadmed. Ohutus. Osa 2: Põletus- ja kütusekäitlusseadmed

Industrial furnaces and associated processing equipment - Safety - Part 2: Combustion and fuel handling systems (ISO 13577-2:2023)

This document specifies the safety requirements for combustion and fuel handling systems that are part of industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines. NOTE The general safety requirements common to TPE are provided in ISO 13577-1:2016. ISO 13577-1:2016, Annex B also includes a list of processes for which industrial furnaces and heating systems covered by the ISO 13577 series are used. This document deals with significant hazards, hazardous situations and events relevant to combustion and fuel handling systems as listed in Annex A, when used as intended and under the conditions for use as described in the instruction handbook. This document covers: — fuel pipework downstream of and including the manual isolating valve; — combustion air supply (including oxygen and oxygen enriched combustion air) and flue gas system; — burner(s), burner system and ignition device; — functional requirements for safety related control system. This document applies to any oxidation of gaseous and liquid fuels with air or other gases containing free oxygen to release thermal energy in TPE. Annex B includes examples of gaseous and liquid fuels. For thermal or catalytic post combustion and waste incineration, this document applies only to auxiliary burners designed to start-up and/or support the process. The pressure hazard of the piping and components covered by this document is within the maximum pressure/size relationship of category I as specified in Annex C. This document also gives the necessary requirements regarding

information for use. This document does not cover hazards from heating generated by electricity. This document does not deal with the hazards created by the release of flammable substances from the products processed in the TPE. This document is not applicable to combustion and fuel handling systems: — of gas welding and allied processes; — up-stream of the TPE manual isolating valve. This document is not applicable to industrial furnaces and associated processing equipment (TPE), including single and multiple burner systems in thermoprocessing equipment and machines manufactured before the date of its publication. This document is not applicable to blast furnaces, converters (in steel plants), boilers, fired heaters (including reformer furnaces) in the petrochemical and chemical industries. This document is not applicable to electrical cabling and power cabling upstream of the TPE control panel/protective system.

Keel: en
Alusdokumendid: ISO 13577-2:2023; EN ISO 13577-2:2023
Asendab dokumenti: EVS-EN 746-2:2010

EVS-EN ISO/ASTM 52939:2023

Additive Manufacturing for construction - Qualification principles - Structural and infrastructure elements (ISO/ASTM 52939:2023)

This document specifies quality assurance requirements for additive construction (AC) concerning building and construction projects in which additive manufacturing techniques are used for construction. The requirements are independent of the material(s) and process category used. This document does not apply to metals. This document specifies the criteria for additive construction processes, quality-relevant characteristics, and factors along AC system operations. It further specifies activities and sequences within an AC cell (additive construction site) and project. This document applies to all additive manufacturing technologies in building and construction (load bearing and non-load bearing), structural and infrastructure building elements for residential and commercial applications and follows an approach oriented to the process. This document does not cover environmental, health and safety aspects that apply to printing facility setup, material handling, operating of robotic equipment, and packing of equipment and/or elements for shipping but material supplier guidelines, robotic solution operating guidelines, and local and regional requirements are applicable. This document does not cover design approvals, material properties characterization and testing.

Keel: en
Alusdokumendid: ISO/ASTM 52939:2023; EN ISO/ASTM 52939:2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 15502-1:2021+A1:2023

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as “boilers”. This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones). This European Standard applies to boilers of types B and C. NOTE For further background information on appliance types see CEN/TR 1749:2014 [1]. a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437; b) where the temperature of the water is below or above 105 °C during normal operation; c) where the maximum operating pressure in the water circuit does not exceed 6 bar; d) which can give rise to condensation under certain circumstances; e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler"; NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler"." f) which are intended to be installed inside a building or in a partially protected place; g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit. This European Standard applies to boilers designed for sealed water systems or for open water systems. NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE). This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components

Keel: en
Alusdokumendid: EN 15502-1:2021+A1:2023
Asendab dokumenti: EVS-EN 15502-1:2021
Asendab dokumenti: EVS-EN 15502-1:2021/AC:2022

EVS-EN 15502-2-1:2022+A1:2023

Gaasküttega keskküttekatlad. Osa 2-1: Erinõuded C tüüpi kateldele ja B2, B3 ning B5 tüüpi kateldele nimisoojuskoormusega mitte üle 1 000 kW
Gas-fired central heating boilers - Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW

This document specifies the requirements and test methods, as well as the classification and marking of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as "boilers". This document is intended to be used in conjunction with EN 15502-1:2021. This document covers gas-fired central heating boilers from the types C1 up to C(11) and the types B2, B3 and B5: NOTE 1 For further background

information on appliance types see EN 1749:2020. a) that have a nominal heat input (on the basis of net calorific value) not exceeding 1 000 kW; b) that use one or more combustible gases of the three gas families at the pressures stated in EN 437:2021; c) where the temperature of the heat transfer fluid does not exceed 105 °C during normal operation; d) where the maximum operating pressure in the water circuit does not exceed 6 bar; e) which can give rise to condensation under certain circumstances; f) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler"; if no declaration is given the boiler is to be considered a "standard boiler"; g) which are intended to be installed inside a building or in a partially protected place; h) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit; i) which are designed for either sealed water systems or for open water systems; j) which are either modular boilers, or non-modular boilers. k) which are from the types C(10) that are equipped with a gas-air ratio control and that have a ∆pmax, saf(min) of 25 Pa, and C(11) that have condensing boiler modules that are equipped with a gas-air ratio control and that have a ∆pmax, saf(min) of 25 Pa. NOTE 2 This document provides requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard, the risk associated with this alternative construction needs to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This document does not cover all the requirements for: aa) appliances above 1 000 kW; ab) appliances that are intended to be connected to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex AB of EN 15502-1:2021); ac) appliances using flue dampers; ad) appliances of the types B21, B31, B51, C21, C41, C51, C61, C71, C81, C(12) and C(13); ae) C7 appliances that have a nominal heat input (on the basis of net calorific value) exceeding 70 kW; af) appliances incorporating flexible plastic flue liners; ag) C(10) boilers: 1) without a gas-air ratio control, or 2) which are non-condensing appliances, or 3) which have a maximum safety pressure difference at minimum heat input not equal to 25 Pa (∆pmax, saf(min)); ah) C(11) boilers that have boiler modules: 1) without a gas-air ratio control, or 2) which are non-condensing appliances, or 3) which have a maximum safety pressure difference at minimum heat input not equal to 25 Pa (∆pmax, saf(min)); ai) appliances intended to be connected to a flue having mechanical extraction; aj) surface temperatures of external parts particular to children and elderly people; ak) appliances that are intended to burn natural gases of the second family where hydrogen is added to the natural gas; al) appliances equipped with an adaptive combustion control function (ACCF); am) boilers intended to be installed in areas accessible to elderly people and children.

Keel: en
Alusdokumendid: EN 15502-2-1:2022+A1:2023
Asendab dokumenti: EVS-EN 15502-2-1:2022

EVS-EN 16898:2022+A1:2023

Gaasipõletite ja gaasiseadmete ohutus- ja juhtseadmed. Gaasifiltrid maksimaalse töörõhuga kuni 600 kPa (k.a)

Safety and control devices for gas burners and gas burning appliances - Gas filters having a maximum working pressure up to and including 600 kPa

EN 13611:2019, Clause 1 applies with the following modification and addition: Modification: The 1st paragraph of EN 13611:2019, Clause 1 is replaced by: This document specifies the safety, design, construction, and performance requirements and testing for gas filters for burners and appliances burning one or more gaseous fuels. This document is applicable to gas filters with declared maximum inlet pressures up to and including 600 kPa and of nominal connection sizes up to and including DN 250. Addition: This document is not applicable to: - gas filters that are connected directly to mains pipe-work or to a container that maintains a standard distribution pressure. The 4th paragraph of EN 13611:2019, Clause 1 is removed.

Keel: en
Alusdokumendid: EN 16898:2022+A1:2023
Asendab dokumenti: EVS-EN 16898:2022

EVS-EN 257:2022+A1:2023

Gaasiseadmete mehaanilised termostaadid

Mechanical thermostats for gas-burning appliances

EN 13611:2019, Clause 1 applies with the following modification and addition: Modification: The 1st paragraph of EN 13611:2019, Clause 1 is replaced by: This document specifies the safety, design, construction, and performance requirements and testing for mechanical thermostats intended for use with gas appliances and similar use, hereafter referred to as “thermostats”. This document is applicable to thermostats with declared maximum inlet pressures up to and including 50 kPa and of nominal connection sizes up to and including DN 50 for use with one or more fuel gases. Addition: This document is applicable to thermostats controlling the gas flow directly or indirectly through an integral gas valve. This document applies to thermostats used with gas appliances which are not installed in the open air. Thermostats dealt with in this document are intended for control functions. This document is not applicable to: a) controls which use auxiliary energy (e.g. electrical energy supplied externally); b) an assessment of the control regarding Performance Level (PL) and Safety Integrity Level (SIL). The 4th paragraph of EN 13611:2019, Clause 1 is removed.

Keel: en
Alusdokumendid: EN 257:2022+A1:2023
Asendab dokumenti: EVS-EN 257:2022

29 ELEKTROTEHNIKA

EVS-EN 4840-002:2023

Aerospace series - Heat shrinkable moulded shapes - Part 002: Index of product standards and product dimensions

This document lists the product standards, covered by technical specification EN 4840-001, for heat-shrinkable moulded shapes.

Keel: en
Alusdokumendid: EN 4840-002:2023

EVS-EN 60763-2:2007/A1:2023

Specification for laminated pressboard - Part 2: Methods of test

Amendment to EN 60763-2:2007

Keel: en
Alusdokumendid: IEC 60763-2:2007/AMD1:2023; EN 60763-2:2007/A1:2023
Muudab dokumenti: EVS-EN 60763-2:2007

EVS-EN IEC 60809:2021/A1:2023

Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements

Amendment to EN IEC 60809:2021

Keel: en
Alusdokumendid: IEC 60809:2021/AMD1:2023; EN IEC 60809:2021/A1:2023
Muudab dokumenti: EVS-EN IEC 60809:2021

EVS-EN IEC 60893-2:2023

Insulating materials - Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 2: Methods of test

IEC 60893-2:2023 describes methods of test for the materials defined in IEC 60893-1 (referred to also as Part 1). This third edition cancels and replaces the second edition published in 2003. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) removal of reference to withdrawn specification IEC 60167:1964; b) inclusion of reference to IEC 62631-3-3:2015, which supersedes IEC 60167:1964. Details in 6.3 have been updated accordingly. The actual performance of the test has not changed; c) normative references have been updated.

Keel: en
Alusdokumendid: IEC 60893-2:2023; EN IEC 60893-2:2023
Asendab dokumenti: EVS-EN 60893-2:2004

EVS-EN IEC 62271-207:2023

High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies, metal enclosed and solid-insulation enclosed switchgear for rated voltages above 1 kV

IEC 62271-207:2023 applies to - gas-insulated switchgear (GIS) assemblies - for alternating current of rated voltages above 52 kV complying with IEC 62271-203, and - for direct current of rated voltages including and above 100 kV, - for indoor and outdoor installations, including their supporting structures, - AC metal-enclosed switchgear and controlgear assemblies for rated voltages above 1 kV and up to and including 52 kV complying with IEC 62271-200, ground or floor mounted, intended to be used under seismic conditions, and - AC solid-insulation enclosed switchgear and controlgear assemblies for rated voltages above 1 kV and up to and including 52 kV complying with IEC 62271-201, ground or floor mounted, intended to be used under seismic conditions. This third edition cancels and replaces the second edition published in 2012. This edition constitutes a technical revision. It also cancels and replaces, through merging, the first edition of IEC TS 62271-210 published in 2013. This edition includes the following significant technical changes with respect to the previous edition: a) modification of the minimum voltage rating from 52 kV to above 1 kV in order to include medium voltage equipment previously being within IEC TS 62271-210 scope; b) further harmonisation of qualification procedures with the revised IEEE Std 693-2018 [1], Annex A and Annex P, including 1) matching this document's required response spectra with IEEE Std 693-2018 performance level spectra and IEC TS 62271-210 spectra, 2) addition of a step-by-step procedure assisting the user of this document to select an appropriate seismic qualification level combining seismic integrity with cost-effective design, 3) addition of analytical earthquake component combination techniques, and 4) reference to publicly available accelerograms specially developed to match the IEEE Std 693-2018 spectra for testing and analysis purposes, since this document and IEC TS 62271-210 spectra are identical in shape with IEEE Std 693 spectra. c) various enhancements of test procedures; d) addition of minimum contents for seismic qualification reports; e) scope extended to cover DC GIS including and above 100 kV.

Keel: en
Alusdokumendid: IEC 62271-207:2023; EN IEC 62271-207:2023
Asendab dokumenti: EVS-EN 62271-207:2012

EVS-EN IEC 62772:2023

Composite hollow core station post insulators with a.c. voltage greater than 1 000 V and d.c. voltage greater than 1 500 V - Definitions, test methods and acceptance criteria

This Standard applies to composite hollow core station post insulators consisting of a load-bearing insulating tube (core) made of resin impregnated fibres, insulating filler material (solid, liquid, gaseous - pressurized or unpressurized), a housing (outside the insulating tube) made of polymeric material (for example silicone or ethylene-propylene) and fixing devices at the ends of the insulating tube. Composite hollow core station post insulators as defined in this standard are intended for general use in substations in both, outdoor and indoor environments, operating with a rated AC voltage greater than 1 000 V a.c. and a frequency not greater than 100 Hz or for use in direct current systems with a rated voltage greater than 1 500 V.d.c. The object of this standard is: to define the terms used; to prescribe test methods; to prescribe acceptance criteria. All the tests in this standard, apart from the thermal-mechanical test, are performed at normal ambient temperature. This standard does not prescribe tests that are characteristic of the apparatus of which the composite hollow core station post insulator ultimately may form a part (e.g. disconnector switch, reactor support, HVDC valves).

Keel: en
Alusdokumendid: IEC 62772:2023; EN IEC 62772:2023
Asendab dokumenti: EVS-EN 62772:2016

EVS-HD 60364-7-716:2023

Madalpingelised elektripaigaldised. Osa 7-716: Nõuded eripaigaldistele või -paikadele. Väikepingeline alalisvoolujaotus info- ja sidetehnika kaablitaristu kaudu
Low-voltage electrical installations - Part 7-716: Requirements for special installations or locations – ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)

Standardi IEC 60364 see osa määrab kindlaks nõuded elektripaigaldistele väikepingelise alalisvoolu jaotamiseks, kasutades sümmeetrilisi sidekaableid ja peamiselt andmeedastuseks mõeldud tarvikuid, nagu on määratletud standardi ISO/IEC 11801-1 kanalite kategooriana, kasutades toiteallikana standardile IEC 62368-3 vastavaid seadmeid. Lisatud on nõuded telekommunikatsioonitaristu projekteerimisele, püstitamisele ja kontrollimisele nii telekommunikatsiooni kui ka väikepingelise alalisvoolu jaotamise eesmärgil. Täiendavalt on lisatud nõuded olemasoleva telekommunikatsioonitaristu kasutamisele väikepingelise alalisvoolu jaotamiseks. Toiteedastussüsteemid hõlmavad, kuid ei ole nendega piiratud, standardiga IEEE 802.3 määratletud Etherneti toiteedastussüsteeme (ingl Power over Ethernet). See dokument ei kehti kaablite ja tarvikute kasutamise kohta tuumik- ja juurdepääsuvõrkudes, näiteks privaatjaamades (ingl private branch exchange, PBX).

Keel: en, et
Alusdokumendid: IEC 60364-7-716:2023; HD 60364-7-716:2023

31 ELEKTROONIKA

EVS-EN 60143-1:2015/A1:2023

Series capacitors for power systems - Part 1: General

Amendment to EN 60143-1:2015

Keel: en
Alusdokumendid: IEC 60143-1:2015/AMD1:2023; EN 60143-1:2015/A1:2023
Muudab dokumenti: EVS-EN 60143-1:2015

33 SIDETEHNIKA

CEN/TR 17167:2023

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

This Technical Report contains additional information to the requirements determined in EN 13757-2, EN 13757-3 and EN 13757-7, in particular examples for the implementation, Datagram examples secured by security mechanism of part 7 and additional non-normative requirements beyond meter communication itself.

Keel: en
Alusdokumendid: CEN/TR 17167:2023
Asendab dokumenti: CEN/TR 17167:2018

EVS-EN 13757-2:2018+A1:2023

Communication systems for meters - Part 2: Wired M-Bus communication

This European standard is applicable to the physical and link layer parameters of baseband communication over twisted pair (M Bus) for meter communication systems. It is especially applicable to thermal energy meters, heat cost allocators, water meters and gas meters. NOTE It is usable also for other meters (like electricity meters) and for sensors and actuators. For generic descriptions concerning communication systems for meters and remote reading of meters see EN 13757-1.

Keel: en
Alusdokumendid: EN 13757-2:2018+A1:2023
Asendab dokumenti: EVS-EN 13757-2:2018

EVS-EN 300 468 V1.18.1:2023

Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems

The present document specifies the Service Information (SI) data which forms a part of Digital Video Broadcasting (DVB) bitstreams, in order that the user can be provided with information to assist in selection of services and/or events within the bitstream, and so that the Integrated Receiver Decoder (IRD) can automatically configure itself for the selected service. SI data for automatic configuration is mostly specified within ISO/IEC 13818-1 as Program Specific Information (PSI). The present document specifies additional data which complements the PSI by providing data to aid automatic tuning of IRDs, and additional information intended for display to the user. The manner of presentation of the information is not specified in the present document, and IRD manufacturers have freedom to choose appropriate presentation methods. It is expected that Electronic Programme Guide (EPG) will be a feature of Digital TeleVision (TV) transmissions. The definition of an EPG is outside the scope of the present document (i.e. the SI specification), but the data contained within the SI specified in the present document may be used as the basis for an EPG. Rules of operation for the implementation of the present document are specified in ETSI TS 101 211.

Keel: en
Alusdokumendid: ETSI EN 300 468 V1.18.1

EVS-EN 302 208 V3.4.1:2023

Raadiosagedusalas 856 MHz kuni 868 MHz võimsusega kuni 2 W ja raadiosagedusalas 915 MHz kuni 921 MHz võimsusega kuni 4 W töötavad raadiosagedustuvastusseadmed; Raadiospektrile juurdepääsu harmoneeritud standard
Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for Radio Frequency Identification (RFID) devices used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 921 MHz. Power limits up to a maximum of 2 W e.r.p. are specified for this equipment in the frequency band 865 MHz to 868 MHz and up to a maximum of 4 W e.r.p. in the frequency band 915 MHz to 921 MHz. NOTE 1: The term frequency band is used for reference to dedicated bands as described in CEPT/ERC/REC 70-03, while frequency range is used in the other cases. The frequency usage conditions for RFID are EU wide harmonised in the band 865 MHz to 868 MHz according to (EU)2017/1483 and in the band 915 MHz to 921 MHz according to (EU)2018/1538. According to (EU)2018/1538, EU member states are requested to implement 3 channels only in the 915 MHz to 921 MHz band. It should be noted that the frequency band 915 MHz to 921 MHz has only a limited implementation status within the European Union and the CEPT countries. CEPT/ERC/REC 70-03 provides in appendix 1 an overview of countries where the band is implemented. The present document applies to RFID interrogators and tags operating together as a system. For each specified band, multiple high power channels are made available for use by interrogators. The tags respond with a modulated signal preferably in the adjacent low power channels. Interrogators may be used with either integral or external antennas. The types of equipment covered by the present document are as follows: • fixed interrogators; • portable interrogators; • batteryless tags; • battery assisted tags; • battery powered tags. These types of radio equipment are capable of operating in the frequency ranges given in table 1 and table 1a. The present document contains requirements to demonstrate that the specified radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference. NOTE 2: 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 302 208 V3.4.1

EVS-EN 50173-4:2018/A1:2023

Information technology - Generic cabling systems - Part 4: Homes

This standard specifies generic cabling for homes. A home can contain one or more buildings or can be within a building that contains more than one home. It covers balanced cabling, optical fibre cabling, and coaxial cabling. This standard specifies generic cabling for two groups of applications: - Information and Communications Technologies (ICT); - Broadcast and Communications Technologies (BCT). This standard specifies directly or via reference to EN 50173 1 the: - structure and minimum configuration for generic cabling within homes; - interfaces at the telecommunications outlet (TO) and broadcast outlet (BO); - performance requirements for cabling links and channels; - implementation requirements and options; - performance requirements for cabling components; - conformance requirements and verification procedures. This standard has taken into account requirements specified in application standards listed in EN 50173 1. Safety and electromagnetic compatibility (EMC) requirements are outside the scope of this standard and are covered by other standards and regulations. However, information given in this standard can be of assistance in meeting these standards and regulations.

Keel: en
Alusdokumendid: EN 50173-4:2018/A1:2023
Muudab dokumenti: EVS-EN 50173-4:2018

EVS-EN IEC 61753-081-02:2023

Fibre optic interconnecting devices and passive components - Performance standard - Part 081-02: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments

IEC 61753-081-02:2023 contains the minimum initial test and measurement requirements and severities which a fibre optic middle-scale 1 × N (16 ≤ N ≤ 64) DWDM (dense wavelength division multiplexing) arrayed waveguide grating device with channel spacing of 50 GHz, 100 GHz or 200 GHz satisfies in order to be categorized as meeting the requirements of category C (controlled environment). The requirements are given for the DWDM devices with Gaussian passband profile and flat-top passband profile. The requirements exclude the devices with dynamic electrical temperature control. This first edition cancels and replaces IEC

61753-081-2 published in 2014. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 61753-081-2:2014: a) change of test conditions harmonizing with IEC 61753-1:2018; b) harmonization of the measurement uncertainties in Table 2 to Table 4 with IEC 61753-081-03 and IEC 61753-081-06.

Keel: en
Alusdokumendid: IEC 61753-081-02:2023; EN IEC 61753-081-02:2023
Asendab dokumenti: EVS-EN 61753-081-2:2014

EVS-EN IEC 61753-081-03:2023

Fibre optic interconnecting devices and passive components - Performance standard - Part 081-03: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP - Outdoor protected environment

IEC 61753-081-03:2023 contains the minimum initial test and measurement requirements and severities which a fibre optic middle-scale 1 × N (16 ≤ N ≤ 64) DWDM (dense wavelength division multiplexing) arrayed waveguide grating device with channel spacing of 50 GHz, 100 GHz or 200 GHz satisfies in order to be categorized as meeting the requirements of category OP (outdoor protected environment). The requirements are given for the DWDM devices with Gaussian passband profile and flat-top passband profile. The requirements exclude the devices with dynamic electrical temperature control.

Keel: en
Alusdokumendid: IEC 61753-081-03:2023; EN IEC 61753-081-03:2023

EVS-EN IEC 61753-081-06:2023

Fibre optic interconnecting devices and passive components - Performance standard - Part 081-06: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category OP+ - Extended outdoor protected environment

IEC 61753-081-06:2023 contains the minimum initial test and measurement requirements and severities which a fibre optic middle-scale 1 × N (16 ≤ N ≤ 64) DWDM (dense wavelength division multiplexing) arrayed waveguide grating device with channel spacing of 50 GHz, 100 GHz or 200 GHz satisfies in order to be categorized as meeting the requirements of category OP+ (extended outdoor protected environment). The requirements are given for the DWDM devices with Gaussian passband profile and flat-top passband profile. The requirements exclude the devices with dynamic electrical temperature control.

Keel: en
Alusdokumendid: IEC 61753-081-06:2023; EN IEC 61753-081-06:2023

35 INFOTEHNOLOOGIA

CEN/CLC ISO/IEC/TR 24027:2023

Information technology - Artificial intelligence (AI) - Bias in AI systems and AI aided decision making (ISO/IEC TR 24027:2021)

This document addresses bias in relation to AI systems, especially with regards to AI-aided decision-making. Measurement techniques and methods for assessing bias are described, with the aim to address and treat bias-related vulnerabilities. All AI system lifecycle phases are in scope, including but not limited to data collection, training, continual learning, design, testing, evaluation and use.

Keel: en
Alusdokumendid: ISO/IEC TR 24027:2021; CEN/CLC ISO/IEC/TR 24027:2023

CEN/CLC ISO/IEC/TR 24029-1:2023

Artificial Intelligence (AI) - Assessment of the robustness of neural networks - Part 1: Overview (ISO/IEC TR 24029-1:2021)

This document provides background about existing methods to assess the robustness of neural networks.

Keel: en
Alusdokumendid: ISO/IEC TR 24029-1:2021; CEN/CLC ISO/IEC/TR 24029-1:2023

CEN/TR 17167:2023

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

This Technical Report contains additional information to the requirements determined in EN 13757-2, EN 13757-3 and EN 13757-7, in particular examples for the implementation, Datagram examples secured by security mechanism of part 7 and additional non-normative requirements beyond meter communication itself.

Keel: en
Alusdokumendid: CEN/TR 17167:2023
Asendab dokumenti: CEN/TR 17167:2018

CEN/TR 18030:2023

Personal identification - Biometrics - Overview of biometric verification systems implemented across Europe

This Technical Report provides an overview of the current deployment of biometric systems within Europe. It addresses the challenges that are being faced, in order to detect the current needs for improving the specifications for the implementation and deployment of biometric systems. This Technical Report considers all kind of deployments, from border control to ad-hoc services. As most of the deployed systems are based on the use of fingerprints or face recognition, this Technical Report will focus on these two biometric modalities, from the system integrator and interoperability points of view. Identity documents, in terms of production, structure, interoperability, etc., are out of the scope of this TR. The TR is focused on the performance at system level. The current European legislative initiatives around this topic (e.g., Entry/Exit System, framework for interoperability between EU information systems, etc.) need a robust framework study about the availability of standard technologies to improve interoperability in biometric products around the European Union. By showing these needs, a set of recommendations for future standardization works is provided. From a methodological perspective, the report gathers information of different entities with this classification: - Capture/enrolment of biometrics including the quality assurance and the generation of feature or biometric models from the images. - Best practices and guidelines to use biometrics in Europe. - Data Quality environment using biometrics in European networks.

Keel: en
Alusdokumendid: CEN/TR 18030:2023

CEN/TS 17901:2023

Digital Information Interchange in the Insurance Industry - Electronic Premium Invoice - Mapping to Electronic Invoice EN 16931-1:2017

This document defines the standardized mapping of the specific requirements of an insurance premium invoice to the generic electronic invoice described in EN 16931-1. This mapping meets the requirements of an electronic premium invoice to ensure legal (including fiscal) compliance as well as business and technical demands of the insurance industry. Premium invoices can be issued by different organizations of the insurance industry to commercial clients or consumers. This document includes premium invoices issued by insurance companies as well as insurance intermediaries. This document does not deal with data protection matters in premium invoices. NOTE General Data Protection Regulation, EU Regulation 2016/679 can include requirements on personal data. Premium invoices are regularly not subject to VAT but to special taxes. In particular, the requirements resulting from insurance tax regulations are considered. Requirements for other taxes are also incorporated. The rules defined in EN 16931-1 do not support invoices with amounts not subject to VAT together with additional amounts which are subject to VAT. Therefore, this document also does not support premium invoices which invoice other goods and services which are subject to VAT invoiced together with premium amounts. Out of the scope of this document are accounting transactions between insurance companies and insurance intermediaries which may contain premium invoice data, but regularly consist of other data (e.g. commissions) which are not part of a regular invoice.

Keel: en
Alusdokumendid: CEN/TS 17901:2023

CWA 18046:2023

Position markers for digital applications on construction sites, structural monitoring and BIM-applications

This document is applicable to construction processes where the usual surveyor’s control points are to be used not only for geometry control, but other applications such as laser scanning, localization of autonomous vehicles, photogrammetry, or VR/AR applications. It provides a framework for making accurate survey point information available to digital applications and other trades. This includes the layout of markers, a naming convention for markers and a common digital interface for the read-out-data of markers. The document builds on existing standards and conventions and collates them where applicable. The document is intended to be used on construction sites and in existing buildings by planners (architects, civil engineers,…), surveyors, construction companies, software providers, UXV operators, BIM stakeholders, and on site machines/devices/systems. The survey point information may be utilised not only during the construction but also during maintenance throughout the life of the facility.

Keel: en
Alusdokumendid: CWA 18046:2023

EVS-EN 13757-2:2018+A1:2023

Communication systems for meters - Part 2: Wired M-Bus communication

This European standard is applicable to the physical and link layer parameters of baseband communication over twisted pair (M Bus) for meter communication systems. It is especially applicable to thermal energy meters, heat cost allocators, water meters and gas meters. NOTE It is usable also for other meters (like electricity meters) and for sensors and actuators. For generic descriptions concerning communication systems for meters and remote reading of meters see EN 13757-1.

Keel: en
Alusdokumendid: EN 13757-2:2018+A1:2023
Asendab dokumenti: EVS-EN 13757-2:2018

EVS-EN IEC 62453-302:2023

Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2

Communication Profile Family 2 (commonly known as CIPTM1) defines communication profiles based on IEC 61158-2 Type 2, IEC 61158-3-2, IEC 61158-4-2, IEC 61158-5-2, IEC 61158-6-2, and IEC 62026-3. The basic profiles CP 2/1 (ControlNetTM2), CP 2/2 (EtherNet/IPTM3), and CP 2/3 (DeviceNetTM1) are defined in IEC 61784-1 and IEC 61784-2. An additional communication profile (CompoNetTM1), also based on CIPTM, is defined in [15]. This part of IEC 62453 provides information for integrating the CIPTM technology into the FDT interface specification (IEC 62453-2). This part of IEC 62453 specifies communication and other services. This specification neither contains the FDT specification nor modifies it.

Keel: en
Alusdokumendid: IEC 62453-302:2023; EN IEC 62453-302:2023
Asendab dokumenti: EVS-EN 62453-302:2017

EVS-EN ISO 18104:2023

Health informatics - Categorial structures for representation of nursing practice in terminological systems (ISO 18104:2023)

This document specifies the characteristics of categorial structures, representing nursing practice. The overall aim of this document is to support interoperability in the exchange of meaningful information between information systems in respect of nursing diagnoses, nursing actions and nurse sensitive outcomes. Categorial structures for nursing diagnoses, nursing actions, nurse sensitive outcomes and associated categories support interoperability by providing common frameworks with which to a) analyse the features of different terminologies, including pre- and post-coordinated expressions, those of other healthcare disciplines, and to establish the nature of the relationship between them,[3][4][5][6][7][8] b) develop terminologies for representing nursing diagnoses, nursing actions,[9][10][11][12] and nurse sensitive outcomes, c) develop terminologies that are able to be related to each other,[3][8][13] and d) establish relationships between terminology models, information models, including archetypes, and ontologies in the nursing domain.[14][15][16][45] There is early evidence that the categorial structures can be used as a framework for analysing nursing practice,[17] for developing nursing content of electronic record systems,[18][19] document the value of nursing services provided and to make nursing's contribution visible[16][36][47][50].

Keel: en
Alusdokumendid: ISO 18104:2023; EN ISO 18104:2023
Asendab dokumenti: EVS-EN ISO 18104:2014

EVS-EN ISO 19144-2:2023

Geographic information - Classification systems - Part 2: Land Cover Meta Language (LCML) (ISO 19144-2:2023)

This document specifies a Land Cover Meta Language (LCML) expressed as a UML metamodel that allows different Land Cover classification systems to be described based on physiognomic aspects. This document recognizes that a number of Land Cover classification systems exist. It provides a common reference structure for the comparison and integration of data for any generic Land Cover classification system, but does not intend to replace those classification systems.

Keel: en
Alusdokumendid: ISO 19144-2:2023; EN ISO 19144-2:2023

37 VISUAALTEHNIKA

EVS-EN ISO 12643-1:2023

Trükitehnoloogia. Seadmete ja süsteemide ohutusnõuded. Osa 1: Üldised nõuded
Graphic technology - Safety requirements for graphic technology equipment and systems - Part 1: General requirements (ISO 12643-1:2023)

This document provides safety specifications for the design and construction of new equipment used in prepress systems, printing press systems, binding and finishing systems, converting systems, corrugated board manufacturing systems and stand-alone platen presses. It is applicable to equipment used in stand-alone mode, or in combination with other machines, including ancillary equipment, in which all the machine actuators (e.g. drives) of the equipment are controlled by the same control system. The requirements given in this document are applicable to the equipment covered by ISO 12643 (all parts), unless otherwise noted. This document is intended to be used in conjunction with the applicable part of ISO 12643 that contains additional requirements specific to a particular type of equipment. This document addresses recognized significant hazards specific to equipment and systems in the following areas: — mechanical; — electrical; — slipping, tripping, falling; — ergonomics; — noise; — UV and laser radiation; — fire and explosion; — thermal; — substances and material used for processing; — failure, malfunction of control system; — other types of emissions [e.g. ozone, ink mist, volatile organic compounds (VOCs), etc.]. This document is not applicable to: — equipment manufactured before the date of its publication; — ordinary office equipment for digital printing and paper processing, such as digital printers, copiers, sorters, binders and staplers, which is intended for use outside the printing and paper industry; — winder-slitters and sheeters in paper finishing (sheeters with unwinders); — office-type collating machines equipped with friction feeders; — mail processing machines; — machines used for filling packages (such as machines for shaping, filling, and closing the package); and — textile printing presses. The safety principles established in this document can also be applicable to the design of equipment within areas of technology that are not specified in ISO 12643 (all parts).

Keel: en
Alusdokumendid: ISO 12643-1:2023; EN ISO 12643-1:2023
Asendab dokumenti: EVS-EN 1010-1:2005+A1:2010

EVS-EN ISO 12643-2:2023

Trükitehnoloogia. Seadmete ja süsteemide ohutusnõuded. Osa 2: Trükiettevalmistus, trükiseadmed ja -süsteemid

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 2: Prepress and press equipment and systems (ISO 12643-2:2023)

This document provides safety requirements specific to prepress and press equipment and systems. This document provides additional safety requirements for the design and construction of new prepress and press equipment, and the auxiliary equipment integrated into the press control system. This document is not applicable to prepress and press equipment and systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 12643-2:2023; EN ISO 12643-2:2023
Asendab dokumenti: EVS-EN 1010-2:2006+A1:2010

EVS-EN ISO 12643-3:2023

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 3: Binding and finishing equipment and systems (ISO 12643-3:2023)

This document provides safety requirements specific to binding and finishing equipment and systems. It provides additional safety requirements for the design and construction of new equipment used to convert printed or blank substrates into cut, folded, collated, assembled, bound, or otherwise finished product. This document is applicable to processes for preparing substrate for the printing process. It is also applicable to a wide range of equipment used in the binding and finishing process.

Keel: en
Alusdokumendid: ISO 12643-3:2023; EN ISO 12643-3:2023
Asendab dokumenti: EVS-EN 1010-3:2002+A1:2009
Asendab dokumenti: EVS-EN 1010-4:2004+A1:2009

EVS-EN ISO 12643-4:2023

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 4: Converting equipment and systems (ISO 12643-4:2023)

This document deals with all significant hazards, hazardous situations or hazardous events relevant to converting equipment and systems used in the corrugated board, package printing, converting and graphic technology industries (see Clause 5), when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document is applicable to converting equipment not covered by other parts of ISO 12643. This document is not applicable to the machinery or machinery components manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 12643-4:2023; EN ISO 12643-4:2023
Asendab dokumenti: EVS-EN 1010-4:2004+A1:2009
Asendab dokumenti: EVS-EN 1010-5:2005

EVS-EN ISO 12643-5:2023

Graphic technology - Safety requirements for graphic technology equipment and systems - Part 5: Manually-fed stand-alone platen presses (ISO 12643-5:2023)

This document provides safety requirements specific to stand-alone platen presses. This document provides additional safety requirements for the design and construction of manually-fed stand-alone platen presses, for single stroke mode, dwell mode, and continuous operation mode for cutting and creasing, embossing, foil stamping and/or printing of paper, board and other materials processed in a similar manner. This document does not apply to presses designed to handle metal material other than foil.

Keel: en
Alusdokumendid: ISO 12643-5:2023; EN ISO 12643-5:2023
Asendab dokumenti: EVS-EN 1010-5:2005

43 MAANTEESÕIDUKITE EHITUS

CLC IEC/TS 61851-3-1:2023

Electric vehicles conductive charging system - Part 3-1: DC EV supply equipment where protection relies on double or reinforced insulation - General rules and requirements for stationary equipment

This part of IEC 61851-3 series (in a first step as Technical Specification for three-year period) together with part 1 of IEC 61851, applies to the equipment for the conductive transfer of electric power between the supply network and an electric road vehicle when connected to the supply network, supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated output voltage up to 480 V a.c. or up to 200 V d.c..The supply systems described in the IEC 61851-3 series are primarily intended for the use by electric road vehicles of category L hereinafter referred to as light electric vehicles (light Evs). NOTE 1 Light EV includes all electrically propelled two and three wheeled vehicles of Category L1 up to Category L7 according to the definition of ECE-TRANS-WP29-78r2e and all electrically propelled or assisted cycles.Light electric road vehicles (light EVs) imply all road vehicles, including plug-in hybrid road vehicles (PHEV), that derive all or part of their energy from on-board rechargeable energy storage systems, (RESS), including traction batteries.The electrical protection of the complete light EV supply system from the connection to the supply network up to

the light EV or removed RESS complies with protective separation between mains and d.c. and with galvanic separation between mains and d.c. or class III.Supplementary requirements for output voltages over 60 V d.c. are given in this document.Supplementary requirements for Class III equipment with output voltages over 15 V d.c. and over 6 V a.c. are given in this document.Requirements for bidirectional energy transfer d.c. to a.c. are under consideration and are not part of this edition. NOTE 2 This standard is not mandatory for proprietary EV supply system configurations Type B or D according to IEC 61851-3 series provided they have equivalent or higher safety levels

Keel: en
Alusdokumendid: CLC IEC/TS 61851-3-1:2023; IEC/TS 61851-3-1:2023

CLC IEC/TS 61851-3-2:2023

Electric vehicle conductive charging system - Part 3-2: DC EV supply equipment where protection relies on double or reinforced insulation - Particular requirements for portable and mobile equipment

This part of IEC 61851-3 series (in a first step as Technical Specification for three-year period) together with part 1 of IEC61851-3, applies to the d.c. power supply equipment (e.g. VCU) for the conductive transfer of electric power between the supply network and an light electric road vehicle when connected to the supply network , with a rated supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated ìoutputî voltage up to 480 V a.c. or up to 200 V d.c. The supply systems described in the IEC 61851-3 series are primarily intended for the use by EVs of category L hereinafter referred to as light electric vehicles (light EVs). NOTE 1 Light EV includes all electrically propelled two and three wheeled vehicles of Category L1 up to Category L7 according to the definition of ECE-TRANS-WP29-78r2e and all electrically propelled or assisted cycles. The electrical protection of the complete light EV supply system from the connection to the supply network up to the light EV or removed RESS complies with protective separation and with galvanic separation between a.c. input and d.c. output or class III.

Keel: en
Alusdokumendid: CLC IEC/TS 61851-3-2:2023; IEC/TS 61851-3-2:2023

CLC IEC/TS 61851-3-4:2023

Electric vehicles conductive charging system - Part 3-4: DC EV supply equipment where protection relies on double or reinforced insulation - General definitions and requirements for CANopen communication

This part of IEC 61851-3 series (in a first step as Technical Specification for three-year period) together with part 1 of IEC 61851-3, applies to communication for the conductive transfer of electric power between the supply network and a light electric road vehicle or a removable RESS or traction-battery of a light electric road vehicle, with a rated supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated ìoutputî voltage up to 480 V a.c. or up to 200 V d.c.. Energy management system for control of power transfer between battery systems and voltage converter units specifies the communication for all devices that may take part in energy management control. The basic application profile for energy management systems consists of the following parts: Part 3-4: General definitions for communication; Part 3-5: Pre-defined communication parameters and general application objects; Part 3-6: Voltage converter unit communication; Part 3-7: Battery system communication.

Keel: en
Alusdokumendid: CLC IEC/TS 61851-3-4:2023; IEC/TS 61851-3-4:2023

CLC IEC/TS 61851-3-5:2023

Electric vehicles conductive charging system - Part 3-5: DC EV supply equipment where protection relies on double or reinforced insulation - Pre-defined communication parameters and general application objects

This part of IEC 61851-3 series (in a first step as Technical Specification for three-year period) together with part 1 of IEC61851-3, applies to communication for the conductive transfer of electric power between the supply network and a light electric road vehicle or a removable RESS or traction-battery of a light electric road vehicle, with a rated supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated ìoutputî voltage up to 480 V a.c. or up to 200 V d.c.. Energy management system for control of power transfer between battery systems and voltage converter units specifies the communication for all devices that may take part in energy management control. Such energy control applications may be implemented in e.g. light electric vehicles, robots, offshore parks, isolated farms, etc. This part of IEC 61851-3 series provides specifications with regard to the pre-defined communication parameters and general application objects.

Keel: en
Alusdokumendid: CLC IEC/TS 61851-3-5:2023; IEC/TS 61851-3-5:2023

CLC IEC/TS 61851-3-6:2023

Electric vehicles conductive charging system - Part 3-6: DC EV supply equipment where protection relies on double or reinforced insulation - Voltage converter unit communication

This part of IEC 61851-3 series as a technical specification together with part 3-1 and with part 1 of IEC61851, applies to communication for the conductive transfer of electric power between the supply network and a light electric road vehicle to a removable RESS or traction-battery of a light EV when connected to the supply network, with a rated supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated ìoutputî voltage up to 480 V a.c. or up to 200 V d.c.. Energy management system for control of power transfer between battery systems and voltage converter units specifies the communication for all devices that may take part in energy management control. Such energy control applications may be implemented in e.g. light electric vehicles, robots, offshore parks, isolated farms, etc. This part of IEC 61851-3 series provides application objects provided by the AC-DC voltage converter unit or DC/DC voltage converter unit

Keel: en

Alusdokumendid: CLC IEC/TS 61851-3-6:2023; IEC/TS 61851-3-6:2023

CLC IEC/TS 61851-3-7:2023

Electric vehicles conductive charging system - Part 3-7: DC EV supply equipment where protection relies on double or reinforced insulation - Battery system communication

This part of IEC 61851-3 series as a technical specification together with part 3-1 and with part 1 of IEC61851, applies to communication for the conductive transfer of electric power between the supply network and a light electric road vehicle to a removable RESS or traction-battery of a light EV when connected to the supply network, with a rated supply voltage up to 480 V a.c. or up to 400 V d.c. and a rated ìoutputî voltage up to 480 V a.c. or up to 200 V d.c.. Energy management system for control of power transfer between battery systems and voltage converter units specifies the communication for all devices that may take part in energy management control. Such energy control applications may be implemented in e.g. light electric vehicles, robots, offshore parks, isolated farms, etc. This part of IEC 61851-3 series specifies application objects provided by the battery system.

Keel: en
Alusdokumendid: CLC IEC/TS 61851-3-7:2023; IEC/TS 61851-3-7:2023

EVS-EN 1789:2020+A1:2023

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Kiirabiautod
Medical vehicles and their equipment - Road ambulances

This European Standard specifies requirements for the design, testing, performance and equipping of road ambulances used for the transport, monitoring, treatment and care of patients. It contains requirements for the patient’s compartment in terms of the working environment, ergonomic design and the safety of the crew and patients.This European Standard does not cover the training of the staff which is the responsibility of the authority/authorities in the country where the ambulance is to be registered. This European Standard is applicable to road ambulances capable of transporting at least one person on a stretcher and excludes the transportation of hospital beds. This standard also specifies requirements for ambulances intended to carry transport incubator systems. The European Standard covers the specific requirements of each type of road ambulance which are designated according to the patient condition e.g. patient transport road ambulance types A1, A2, B and C. This European Standard gives general requirements for medical devices carried in road ambulances and used therein and outside hospitals and clinics in situations where the ambient conditions can differ from normal indoor conditions.

Keel: en
Alusdokumendid: EN 1789:2020+A1:2023
Asendab dokumenti: EVS-EN 1789:2020

EVS-EN IEC 60809:2021/A1:2023

Lamps and light sources for road vehicles - Dimensional, electrical and luminous requirements

Amendment to EN IEC 60809:2021

Keel: en
Alusdokumendid: IEC 60809:2021/AMD1:2023; EN IEC 60809:2021/A1:2023
Muudab dokumenti: EVS-EN IEC 60809:2021

45 RAUDTEETEHNIKA

EVS-EN 13979-1:2023

Raudteealased rakendused. Rattapaarid ja pöördvankrid. Monoplokkrattad. Tehnilise heakskiidu protseduur. Osa 1: Sepistatud ja valtsitud rattad
Railway applications - Wheelsets and bogies - Monobloc Wheels - Technical approval procedure - Part 1: Forged and rolled wheels

This document specifies a design assessment procedure of a forged and rolled monobloc wheel (RST). This assessment is carried out before the wheel is commissioned. This document describes, in particular, the assessment to be performed in order to use wheels on a European network which, in addition, have quality requirements in conformity with those defined in EN 13262. This assessment requires that the conditions of use for the wheel are defined and this standard provides a method for defining those conditions. The assessment of the design covers four aspects: - a geometrical aspect: to allow interchangeability of different solutions for the same application; -- a thermomechanical aspect: to manage wheel deformations and to ensure that braking will not cause wheels to fracture; - a mechanical aspect: to ensure that no fatigue cracks occur in the wheel web and that no permanent deformation occurs under exceptional loading; - an acoustic aspect: to ensure that the solution chosen is as good as the reference wheel. This document does not cover assessment of the hub or of the rim. This document has been drawn up for wheels of non-powered tread-braked wheelsets and applies in full to this type of wheel. For wheels on which disc brakes are mounted or toothed transmission wheels or even wheels with noise reduction devices, the requirements may be amended or supplemented. For urban railway vehicles, other standards or documents may be used.

Keel: en
Alusdokumendid: EN 13979-1:2023
Asendab dokumenti: EVS-EN 13979-1:2020

EVS-EN 15152:2019+A1:2023

Raudteealased rakendused. Raudteeveeremi tuuleklaasid
Railway applications - Windscreens for trains

This document specifies the functional requirements for rail vehicle windscreens, including type testing, routine testing and inspection methods for high speed rail, heavy rail, light rail and metro applications. This document is also applicable for tram vehicles. For on-track machines (OTMs) when in transport mode (self-propelled or hauled) the requirements of this standard are applicable. OTMs in working configuration are outside the scope of this document. Determination of the size, shape, orientation and position of windscreens is outside the scope of this document. These data form part of the windscreen technical specification. This document applies to windscreens made of laminated glass, which is the most commonly used material but also to other materials, subject to the performance requirements being satisfied. This document does not specify requirements for the interfaces between the windscreen and the vehicle. Accordingly this document does not address issues relating to: installation, structural integrity and crashworthiness.

Keel: en
Alusdokumendid: EN 15152:2019+A1:2023
Asendab dokumenti: EVS-EN 15152:2019

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 16603-20-40:2023

Space engineering - ASIC, FPGA and IP Core engineering

This activity w ill be the parallel development of EN 16603-20-40 and ECSS-E-ST-20-40C. The scope shall cover the areas of existing ASIC and FPGA engineering chapter 5 of ECSS-Q-ST-60-02C, but w ith w ider breadth and greater depth, covering engineering requirements of end-to-end development flow s, from specification of requirements to validation of prototypes, of the follow ing monolithic devices for its use in space: • ASICs (distinguishing digital, analogue and mixed-signal development flow s) • FPGAs (distinguishing three technology families: SRAM, FLASH and anti-fuse technologies) • ASIC and FPGA System-on-Chip embedding processor cores w hich have external “softw are programme” dependencies to be addressed during the SoC development, resulting in SW-HW co-design requirements.

Keel: en
Alusdokumendid: EN 16603-20-40:2023

EVS-EN 16604-10:2023

Space sustainability - Space debris mitigation requirements (ISO 24113:2023, modified)

This document defines the primary space debris mitigation requirements applicable to all elements of unmanned systems launched into, or passing through, near-Earth space, including launch vehicle orbital stages, operating spacecraft and any objects released as part of normal operations.

Keel: en
Alusdokumendid: EN 16604-10:2023
Asendab dokumenti: EVS-EN 16604-10:2019

EVS-EN 2267-011:2023

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between -65 °C and 260 °C - Part 011: DZA family, single and multicore assembly for use in low pressure atmosphere - Product standard

This document specifies the characteristics of electrical wires DZA family for use in the on board: - 115 VAC (phase to neutral) or 200 VAC (phase to phase) electrical network of aircraft; - 230 VAC (phase to neutral) or 400 VAC (phase to phase) electrical network of aircraft and particularly use in non-pressurized areas. This cable family is used at operating temperature between -65 °C and 260 °C. These cables are demonstrated to be arc resistant for both networks (115 VAC and 230 VAC).

Keel: en
Alusdokumendid: EN 2267-011:2023
Asendab dokumenti: EVS-EN 2267-011:2015

EVS-EN 2267-012:2023

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between -65 °C and 260 °C - Part 012: DZ family, single UV laser printable for use in low pressure atmosphere - Product standard

This document specifies the characteristics of UV laser printable electrical wires DZ family for use in the on board: - 115 VAC (phase to neutral) or 200 VAC (phase to phase) electrical network of aircraft; - 230 VAC (phase to neutral) or 400 VAC (phase to phase) electrical network of aircraft and particularly use in non-pressurized areas. This cable family is used at operating temperature between -65 °C and 260 °C. These cables are demonstrated to be arc resistant for both networks (115 VAC and 230 VAC).

Keel: en
Alusdokumendid: EN 2267-012:2023
Asendab dokumenti: EVS-EN 2267-012:2015

EVS-EN 2516:2023

Aerospace series - Passivation of corrosion resisting steels and decontamination of nickel or cobalt base alloys

This document specifies several chemical methods of passivation for corrosion resisting steels (austenitic, ferritic, martensitic and precipitation hardenable) and of decontamination for nickel or cobalt base alloys.

Keel: en
Alusdokumendid: EN 2516:2023
Asendab dokumenti: EVS-EN 2516:2020

EVS-EN 2995-006:2023

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A - Part 006: 6,3 mm & 2,8 mm blade terminal with polarized signal contact - Product standard

This document specifies the characteristics of single-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between -55 °C and 125 °C and at an altitude of 15 000 m max. These circuit breakers are operated by a push-pull type single push button (actuator), with delayed action "trip-free" tripping with a polarized signal contact which is open when main contacts are closed, and inversely. They will continue to function up to the short-circuit current.

Keel: en
Alusdokumendid: EN 2995-006:2023

EVS-EN 2996-006:2023

Aerospace series - Circuit breakers, three-poles, temperature compensated, rated currents 1 A to 25 A - Part 006: 6,3 mm and 2,8 mm blade terminal - With polarized signal contact - Product standard

This document specifies the characteristics of three-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between -55 °C and 125 °C for ratings ≤ 15 A and -55 °C to 90 °C for ratings > 15 A and at an altitude of 15 000 m max. These circuit breakers are operated by a push-pull type single pushbutton (actuator), with delayed action "trip-free" tripping. They will continue to function up to the short-circuit current.

Keel: en
Alusdokumendid: EN 2996-006:2023

EVS-EN 3311:2023

Aerospace series - Titanium alloy TI-P64001 (Ti-6Al-4V) - Annealed - Bars for machining - D ≤ 300 mm - 900 MPa ≤ Rm ≤ 1 160 MPa

This document specifies the requirements relating to: Titanium alloy TI-P64001 (Ti-6Al-4V) Annealed Bars for machining D < 300 mm 900 MPa ≤ Rm ≤ 1 160 MPa for aerospace applications

Keel: en
Alusdokumendid: EN 3311:2023
Asendab dokumenti: EVS-EN 3311:2009

EVS-EN 3524:2023

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Sheets and strips - 2 mm ≤ a ≤ 6 mm - 1 080 MPa ≤ Rm ≤ 1 280 MPa

This document specifies the requirements relating to: Steel 15CrMoV6 (1.7334) Air melted Hardened and tempered Sheets and strips 2 mm ≤ a ≤ 6 mm 1 080 MPa ≤ Rm ≤ 1 280 MPa for aerospace applications. W.nr: 1.7334. ASD-STAN designation: FE-PL1505.

Keel: en
Alusdokumendid: EN 3524:2023
Asendab dokumenti: EVS-EN 3524:2007

EVS-EN 3525:2023

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Plates - 6 mm ≤ a ≤ 20 mm - 1 080 MPa ≤ Rm ≤ 1 280 MPa

This document specifies the requirements relating to: Steel 15CrMoV6 (1.7334) Air melted Hardened and tempered Plates 6 mm ≤ a ≤ 20 mm 1 080 MPa ≤ Rm ≤ 1 280 MPa for aerospace applications. W.nr: 1.7334. ASD-STAN designation: FE-PL1505.

Keel: en
Alusdokumendid: EN 3525:2023
Asendab dokumenti: EVS-EN 3525:2007

EVS-EN 3526:2023

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Sheets and strips - 0,5 mm ≤ a ≤ 6 mm - 980 MPa ≤ Rm ≤ 1 180 MPa

This document specifies the requirements relating to: Steel 15CrMoV6 (1.7334) Air melted Hardened and tempered Sheet and strip 0,5 mm ≤ a ≤ 6 mm 980 MPa ≤ Rm ≤ 1 180 MPa for aerospace applications. W.nr: 1.7334. ASD-STAN designation: FE-PL1505.

Keel: en
Alusdokumendid: EN 3526:2023
Asendab dokumenti: EVS-EN 3526:2007

EVS-EN 3774-006:2023

Aerospace series - Circuit breakers, three-poles, temperature compensated, rated currents 1 A to 25 A - Part 006: 6,3 blade terminal - Product standard

This document specifies the characteristics of three-pole circuit breakers, temperature compensated with a rated current from 1 A to 25 A, used in aircraft on-board circuits at a temperature between −55 °C and 125 °C for ratings ≤ 15 A and −55 °C to 90 °C for ratings > 15 A and at an altitude of 15 000 m max. These circuit breakers are operated by a push-pull type single pushbutton (actuator), with delayed action "trip-free" tripping. They will continue to function up to the short-circuit current.

Keel: en
Alusdokumendid: EN 3774-006:2023

EVS-EN 4113:2023

Aerospace series - Clamps, loop ("P" type) in corrosion resisting steel, passivated with rubber cushioning - Dimensions, masses

This document specifies the required characteristics of loop style clamps ("P" type) in corrosion resisting steel, passivated with various cushion materials. These clamps are used for supporting aerospace pipe assemblies and electrical cable bundles. For temperature range and environmental considerations see the various cushion material standards.

Keel: en
Alusdokumendid: EN 4113:2023
Asendab dokumenti: EVS-EN 4113:2009

EVS-EN 4114:2023

Aerospace series - Clamps, loop ("P" type) in aluminium alloy with rubber cushioning - Dimensions, masses

This document specifies the required characteristics of loop style clamps ("P" type) in aluminium alloy with various cushion materials. These clamps are used for supporting aerospace pipe assemblies and electrical cable bundles. They are used up to 80 °C max. Usage at a higher temperature is at the option of the user. For temperature range and environmental considerations, see the various cushion material standards.

Keel: en
Alusdokumendid: EN 4114:2023
Asendab dokumenti: EVS-EN 4114:2009

EVS-EN 4708-002:2023

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 002: Index of Product standards

This document lists the product standards, covered by technical specification EN 4708-001, for heat shrinkable sleeves.

Keel: en
Alusdokumendid: EN 4708-002:2023

EVS-EN 4708-204:2023

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 204: Limited fire hazard identification sleeves - Operating Temperature range -40 °C to 105 °C - Product standard

This document specifies the required characteristics for heat-shrinkable limited fire hazard identification sleeves for use in aircraft electrical systems at operating temperatures between −40 °C and 105 °C. This document is only applicable for the characterization of identification sleeves. This sleeving is flexible, flame retarded and emits minimum smoke, gases and corrosive by-products when exposed to fire. This sleeving is only applicable for use in areas where smoke, gases or corrosive by-products would constitute a particular hazard. It is available with a shrink ratio of 2 : 1. The product is normally supplied with internal diameters up to 51 mm. The standard colours are white or yellow. Sizes or colours other than those specifically listed in this document can be available. These items are considered to comply with this document if they comply with the property requirements listed in Table 2 and Table 3, except for dimensions and mass. As the sleeving to be tested is a printed article, the complete system is to be recorded as part of the evaluation. The sleeve will only be considered as meeting the requirements of this document if printed with the printer, ribbon, inks and settings referenced within the test report. Mark adherence and print permanence are determined in this specification using method EN 6059-407.

Keel: en

Alusdokumendid: EN 4708-204:2023

EVS-EN 4840-002:2023

Aerospace series - Heat shrinkable moulded shapes - Part 002: Index of product standards and product dimensions

This document lists the product standards, covered by technical specification EN 4840-001, for heat-shrinkable moulded shapes.

Keel: en
Alusdokumendid: EN 4840-002:2023

EVS-EN 4840-103:2023

Aerospace series - Heat-shrinkable moulded shapes - Part 103: Fluoroelastomeric, temperature range -55 °C to 200 °C - Product standard

This document specifies the required characteristics for fluoroelastomeric, heat-shrinkable boots for use in aircraft electrical systems at operating temperatures between −55 °C and 200 °C. The moulded shapes can be supplied with a pre-coated adhesive. Refer to the manufacturers/suppliers for options. A guide to adhesive compatibility is given in Annex A. These moulded shapes are normally supplied in the styles and dimensions given in EN 4840 002. The colour is normally black. Styles and dimensions other than those specifically listed in EN 4840 002 can be available as custom items. These items are considered to comply with this document if they comply with the property requirements listed in Table 1 with the exception of dimensions.

Keel: en
Alusdokumendid: EN 4840-103:2023

EVS-EN 6042:2023

Aerospace series - Organic compounds - Test method - Analysis by infrared spectroscopy

This test method describes the principles applicable to infrared transmission spectrophotometric analysis of organic compounds (elastomers, basic resins, resin mixes or resin systems) used as the matrix in reinforced polymers, adhesives, bonding primers and, in general terms, all organic compounds. The method could also be applied to some inorganic products. It is intended to be used jointly with special test conditions specified in the materials specification invoking the test. This document does not give any directions necessary to meet the health and safety requirements. It is the responsibility of the user of this document to adopt appropriate health and safety precautions.

Keel: en
Alusdokumendid: EN 6042:2023

EVS-EN 6095:2023

Aerospace series - Rotary fasteners - Structural and non-structural applications - Technical specification

This document specifies the required characteristics, inspections, tests, quality assurance requirements, conditions for qualification acceptance and delivery of rotary fasteners for structural and non-structural applications. This document applies to all rotary fasteners for structural and non-structural applications. It can be applied when referred to in the product standard or in a design specification.

Keel: en
Alusdokumendid: EN 6095:2023

EVS-EN 9163:2023

Aerospace series - Certificate of conformity requirements

This document provides a harmonized process and documentation requirements for the establishment of CoCs used to attest the conformity of aviation, space, and defence products (e.g. assemblies, sub-assemblies, equipment and systems, parts, material, software) or services. It includes a CoC template and supporting instructions on how to complete it. When quoted by the customer in a contractual requirement, application of this document is mandatory. In other cases, its use is recommended, but if there is a conflict between the requirements of this document and customer or applicable statutory/regulatory requirements, the latter take precedence. This document can be used by other industries that require the use/application of a CoC. Requirements for the establishment of Authorized Release Certificates (ARCs) [e.g. European Union Aviation Safety Agency (EASA) Form 1, Federal Aviation Administration (FAA) 8130-3 tag, Civil Aviation Administration of China (CAAC) Form 038] by an external provider holding a production approval (for new aviation products, production, or spares) or maintenance approval (i.e. for in service repairs, modifications, after sales maintenance, overhaul activities, inspections) are not covered by this document, as applicable rules are defined by the aviation authorities having granted these approvals.

Keel: en
Alusdokumendid: EN 9163:2023

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 16307-5:2023

Tööstusveokid. Ohutusnõuded ja vastavuskontroll. Osa 5: Täiendavad nõuded jalakäija poolt juhitavatele veokitele

Industrial trucks - Safety requirements and verification - Part 5: Supplementary requirements for pedestrian-propelled trucks

This document specifies requirements for the types of industrial trucks specified in the scope of EN ISO 3691-5:2015. This document is intended to be used in conjunction with EN ISO 3691-5:2015. This document deals with the following significant hazards, hazardous situations or hazardous events relevant to pedestrian-propelled trucks, when used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer: - protection against crushing, shearing and trapping; - electrical requirements; - electromagnetic immunity. These requirements are supplementary to those stated in EN ISO 3691-5:2015 with the addition of requirements for the following hazard: - electromagnetic immunity (external radiation). This document partially replaces the following requirement of EN ISO 3691-5:2015: - electrical requirements. This document specifies supplementary requirements to EN ISO 3691-5:2015: - protection against crushing, shearing and trapping; - information for use (instruction handbook and marking). This document does not specify supplementary requirements to EN ISO 3691-5:2015: - static electricity; - radiation; - general principles for the drafting of instructions; - sales literature. Annex A (informative) contains the list of significant hazards covered by this document.

Keel: en
Alusdokumendid: EN 16307-5:2023
Asendab dokumenti: EVS-EN 16307-5:2013

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN 17428:2023

Packaging - Determination of the degree of disintegration under simulated home composting conditions

This document specifies a laboratory scale test method for determining the degree of disintegration of test items when exposed to well-managed home composting conditions by the weight evaluation method (WE method) using sieving and evaluation by weighing. The test method is not applicable for the determination of the biodegradability of test items under home composting conditions. Additional testing is necessary for making claims concerning the suitability for home composting. This document is not appropriate for claims relating to the suitability for home composting. This test method is carried out at laboratory scale under controlled conditions. Therefore, it does not reproduce any real home composting conditions, but it is devised to gain information on the potential of the test item to disintegrate sufficiently. A test item that passes this test is assumed to be capable of undergoing full disintegration in a 12 months home composting cycle carried out under well managed conditions. For features of well-managed home composting see EN 17427:2022, Annex E.

Keel: en
Alusdokumendid: EN 17428:2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 14184-3:2023

Textiles - Determination of formaldehyde - Part 3: Free and hydrolysed formaldehyde (extraction method) by liquid chromatography (ISO 14184-3:2023)

This document specifies a method for determining the amount of free formaldehyde and formaldehyde extracted partly through hydrolysis by means of an extraction method. The method can be applied for the testing of textile fibres, fabrics or yarns. NOTE This method, based on liquid chromatography (LC), is selective and not sensitive to coloured extracts and is intended to be used for precise quantification of formaldehyde.

Keel: en
Alusdokumendid: ISO 14184-3:2023; EN ISO 14184-3:2023

65 PÕLLUMAJANDUS

EVS-EN 15705:2023

Inorganic fertilizers - Determination of methylen-urea oligomers using high-performance liquid chromatography (HPLC)

This document specifies a method for the determination of methylen-urea (MU) oligomers in inorganic fertilizers using high-performance liquid chromatography (HPLC). The method is applicable to all fertilizers which do not contain interfering organic compounds. NOTE By the condensation of urea and formaldehyde, several oligomers are formed, such as methylen-diurea (MDU), dimethylen-triurea (DMTU), trimethylen-tetraurea (TMTU) and higher oligomers. The three molecules named here are the most soluble in water, while the higher compounds are insoluble in hot water, but their nitrogen is available for plants by microbiological decomposition. Also, urea is always a companion of MU-oligomers.

Keel: en
Alusdokumendid: EN 15705:2023
Asendab dokumenti: EVS-EN 15705:2010

EVS-EN 17817:2023

Väetised, lubiained ja inhibiitorid. Koguse määramine (mahu või kaalu alusel)
Fertilizers, liming materials and inhibitors - Determination of the quantity (declared by mass or volume)

This document specifies methods for the determination of quantity of the following solid and liquid fertilizing products: organic fertilizers, organo-mineral fertilizers, inorganic fertilizers, liming materials and inhibitors in packages, containers or in bulk. This document is applicable to fertilizing products blends where organic fertilizers, organo-mineral fertilizers, inorganic fertilizers, liming materials and inhibitors are the highest % of the blend by mass or volume, or in the case of liquid form by dry mass. If organic fertilizers, organo-mineral fertilizers, inorganic fertilizers, liming materials and inhibitors are not the highest % of the blend, the European Standard for the highest % of the blend applies. In case a fertilizing product blend is made up of components in equal quantity, the user decides which standard to apply. This document is not applicable to the quantity determination of: growing media, soil improvers and plant biostimulants.

Keel: en
Alusdokumendid: EN 17817:2023

EVS-EN 17864:2023

Inorganic fertilizers - Determination of nitrogen content in IBDU (isobutylidenediurea) and CDU (crotonylidenediurea)

This document specifies a method for the determination of nitrogen content in IBDU (isobutylidenediurea) and CDU (crotonylidenediurea) using high-performance liquid chromatography (HPLC). The method is applicable to all fertilizers which do not contain interfering organic compounds.

Keel: en
Alusdokumendid: EN 17864:2023
Asendab dokumenti: EVS-EN 15705:2010

EVS-EN IEC 60335-2-86:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektrilistele kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

IEC 60335-2-86:2018 deals with the safety of electric fishing machines by means of which water may be electrified for the purpose of catching fish or for providing barriers to all animals living in water. The rated voltage of electric fishing machines is not more than 250 V for single phase machines and 480 V for other machines, except that the rated voltage of electric fishing machines for permanent connection to fixed wiring is not more than 1 000 V. Electric fishing machines are appliances for scientific and commercial use. Additional requirements for boat mounted electric fishing machines are given in Annex AA. This Part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fifth edition (2010) of that standard. This third edition cancels and replaces the second edition published in 2002, its Amendment 1 (2005) and its Amendment 2 (2012). 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; - some notes have been converted to normative text (22.102, 22.113, 26.106); - requirements for battery-operated electric fishing machines have been moved to Annex S.

Keel: en
Alusdokumendid: IEC 60335-2-86:2018; EN IEC 60335-2-86:2023
Asendab dokumenti: EVS-EN 60335-2-86:2003
Asendab dokumenti: EVS-EN 60335-2-86:2003/A1:2005
Asendab dokumenti: EVS-EN 60335-2-86:2003/A11:2016
Asendab dokumenti: EVS-EN 60335-2-86:2003/A12:2017
Asendab dokumenti: EVS-EN 60335-2-86:2003/A2:2016

EVS-EN IEC 60335-2-86:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektrilistele kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

This European Standard deals with the safety of electric fishing machines by means of which water may be electrified for the purpose of catching fish or for providing barriers to all animals living in water.

Keel: en
Alusdokumendid: EN IEC 60335-2-86:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-86:2023

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 14944-3:2023

Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementititous products

This European Standard specifies a method to determine the migration of substances from factory made cementitious products into test waters after contact with the products. This European Standard is applicable to factory made cementitious products, e.g. cement mortar linings to metallic pipes, tanks, concrete pipes etc., intended to be used for the transport and storage of water intended for human consumption, including raw water used for the production of drinking water.

Keel: en
Alusdokumendid: EN 14944-3:2023
Asendab dokumenti: EVS-EN 14944-3:2007

EVS-EN 17917:2023

Paper and board - Paper and board intended to come into contact with foodstuffs - Determination of aluminium in aqueous extracts

This document specifies a test method for the determination of aluminium in aqueous extracts. It is applicable to paper and board with extractable aluminium content of at least 0,2 mg/l. Aluminium extract levels below those given can be measured using this document if sensitive equipment is available and if all other laboratory conditions fulfil the requirements for trace element analysis.

Keel: en
Alusdokumendid: EN 17917:2023

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 16346:2023

Bitumen and bituminous binders - Determination of breaking behaviour and immediate adhesivity of cationic bituminous emulsions

This document specifies a method for the determination of the breaking and immediate adhesivity behaviour of cationic bituminous emulsions in contact with aggregate. The method applies to emulsions used for surface dressing and similar applications and can be used for formulation as well as for production control purposes. 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 establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 16346:2023
Asendab dokumenti: CEN/TS 16346:2012

EVS-EN ISO 16486-1:2023

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General (ISO 16486-1:2023)

This document specifies the general properties of unplasticized polyamide (PA-U) compounds for the manufacture of pipes, fittings and valves made from these compounds, intended to be buried and used for the supply of gaseous fuels. It also specifies the test parameters for the test methods to which it refers. The ISO 16486 series is applicable to PA-U piping systems, the components of which are connected by fusion jointing and/or mechanical jointing. This document establishes a calculation and design scheme on which to base the maximum operating pressure (MOP) of a PA-U piping system. NOTE For the purpose of this document the term gaseous fuels includes, for example, natural gas, methane, butane, propane, hydrogen, manufactured gas, biogas, and mixtures of these gases.

Keel: en
Alusdokumendid: ISO 16486-1:2023; EN ISO 16486-1:2023
Asendab dokumenti: EVS-EN ISO 16486-1:2020

EVS-EN ISO 2612:2023

Analysis of natural gas - Biomethane - Determination of ammonia content by Tuneable Diode Laser Absorption Spectroscopy (ISO 2612:2023)

This document describes several test methods for measuring the ammonia amount fraction in natural gas and biomethane at the trace level (µmol mol-1). The suitable handling and sampling of pressurised mixtures of ammonia in methane that are applied to several different ammonia measurement systems are described. The measurement systems are comprised of readily available commercial spectroscopic analysers that are specific to ammonia. These NH3 analysers are considered as a black box in terms of their operation, which is dependent on the instructions of the manufacturer. The document describes suitable calibration and measurement strategies to quantify ammonia in (bio)methane around and above the 10 mg m-3 (14 µmol mol-1) level and applies to analysis within absolute pressure ranges of 1 bar – 2 bar, temperatures of 0 °C – 40 °C and relative humidity <90 %. References are also made to additional standards that are applied either to natural gas analysis or air quality measurements. In this document the matrix gas is always methane or biomethane and the measurand is the amount fraction NH3. NOTE 1 bar = 0,1 MPa =105 Pa; 1 MPa = 1 N/mm2.

Keel: en
Alusdokumendid: ISO 2612:2023; EN ISO 2612:2023

EVS-EN ISO 2613-2:2023

Analysis of natural gas - Silicon content of biomethane - Part 2: Determination of siloxane content by gas chromatography with ion mobility spectrometry (ISO 2613-2:2023)

This document describes a gas chromatography – ion mobility spectroscopy (GC-IMS) method for the determination of the concentration of siloxanes in biomethane. The method is applicable to the following siloxanes: — hexamethyldisiloxane (L2); — octamethyltrisiloxane (L3); — decamethyltetrasiloxane (L4); — dodecamethylpentasiloxane (L5); — hexamethylcyclotrisiloxane (D3); — octamethylcyclotetrasiloxane (D4); — decamethylcyclopentasiloxane (D5); — dodecamethylcyclohexasiloxane (D6). This document describes suitable calibration and measurement strategies to quantify siloxanes in (bio)methane around and above the 0,3 mg m-3 (14 µmol mol-1) level and applies to analyses within absolute pressure ranges of 1 bar – 2 bar, temperatures of 0 °C – 40 °C and relative humidity < 90 %.

Keel: en
Alusdokumendid: ISO 2613-2:2023; EN ISO 2613-2:2023

EVS-EN ISO 3838:2004/A1:2023

Toornafta ja vedelad või tahked naftasaadused. Tiheduse või suhtelise tiheduse määramine. Kapillaarselt suletava püknomeetri ja gradueeritud bikapillaarse püknomeetri meetod
Crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary-stoppered pyknometer and graduated bicapillary pyknometer methods - Amendment 1 (ISO 3838:2004/Amd 1:2023)

Amendment to EN ISO 3838:2004

Keel: en
Alusdokumendid: ISO 3838:2004/Amd 1:2023; EN ISO 3838:2004/A1:2023
Muudab dokumenti: EVS-EN ISO 3838:2004

77 METALLURGIA

EVS-EN 10088-1:2023

Stainless steels - Part 1: List of stainless steels

See dokument loetleb roostevabade teraste keemilise koostise, mis on vastavalt nende põhiomadustele jaotatud korrosioonikindlateks terasteks, kuumuskindlateks terasteks ja roomekindlateks terasteks (vaata Lisa C) ja on spetsifitseeritud Tabelis 1 toodud Euroopa standardites. Tabel 1 — Roostevabade teraste materjalistandardite ülevaade (...) Mõnede füüsikaliste omaduste võrdlusandmed on toodud Lisas E Tabelites E.1 kuni E.8. Empiirilised valemid terase klassi mikrostruktuuri klassifitseerimiseks ja kontaktväsimustugevuse järjestamiseks on toodud Lisas D. MÄRKUS 1 Maatriks, mis näitab missugusesse standardise missugune teras kuulub on antud Lisas B. MÄRKUS 2 Klapiterased on spetsifitseeritud standardis EN 10090. MÄRKUS 3 Terasvalud on spetsifitseeritud mitmetes Euroopa standardites (vaata Kirjandusest). MÄRKUS 4 Tööriistaterased on spetsifitseeritud standardis EN ISO 4957. MÄRKUS 5 Keevitustarvikud on spetsifitseeritud mitmetes Euroopa standardites (vaata Kirjandusest).

Keel: en
Alusdokumendid: EN 10088-1:2023
Asendab dokumenti: EVS-EN 10088-1:2014

EVS-EN 10264-3:2023

Steel wire and wire products - Steel wire for ropes - Part 3: Round and shaped non alloyed steel wire for high duty applications

This document specifies round and shaped non alloyed steel wire for use in the manufacture of ropes for mine hoisting, man-riding haulage, cableways for the transportation of passengers and other high duty applications. Heavy duty refers to situations where the stresses applied to the rope are either high or vary by a large amount during service. This document refers to round wires and three types of shaped wire: full lock (Z), half lock (H) and trapezoidal (T). It does not apply to steel wire taken from manufactured ropes. This document specifies the following for cold drawn non alloyed steel wire for ropes for high duty applications: - dimensional tolerances; - mechanical characteristics; - requirements relating to the chemical composition of the steel wire; - conditions to be satisfied by any coating.

Keel: en
Alusdokumendid: EN 10264-3:2023
Asendab dokumenti: EVS-EN 10264-3:2012

EVS-EN 10278:2023

Roostevabast ja teistest eriterastest haljaste terastoodete mõõtmed ja tolerantsid
Dimensions and tolerances of bright steel products of stainless and other special steels

See dokument kehtib haljastele terastoodetele tõmmatud, treitud või lihvitud tingimustel, mis tarnitakse sirgete pikitoodetena. Seda dokumenti kohaldatakse peamiselt standardi EN 10088-3 roostevabadele terastele ja muudele tootestandarditele, nt tööriistaterased, rull-laagriterased. Seda dokumenti saab kasutada ka külmvormstantsimise teraste jaoks varraste ja traadi kujul; traadi puhul rakenduvad paksus ja selle tolerantsid, kuid pikkus ja sirgsus ei rakendu. Standardile EN 10277 vastavad legeerimata

ja legeeritud terased ei kuulu enam selle dokumendi käsitlusalasse. See dokument ei hõlma külmvaltsitud tooteid ja mõõtulõigatud tooteid, mis on valmistatud ribast või lehest lõikamisega.

Keel: en, et
Alusdokumendid: EN 10278:2023
Asendab dokumenti: EVS-EN 10278:2000

EVS-EN 1561:2023

Founding - Grey cast irons

This document specifies the properties of unalloyed and low-alloyed grey cast irons used for castings, which have been manufactured in sand moulds or in moulds with comparable thermal behaviour. NOTE This document can also be applicable to grey cast irons cast in permanent moulds, provided the related cast samples are casted under the same conditions as the castings. This document specifies the characterizing properties of grey cast irons by either a) the tensile strength of cast samples, b) if agreed by the manufacturer and the purchaser, the tensile strength of samples cut from a casting, c) the hardness determined on the castings or on a cast-on knob. If agreed by the manufacturer and the purchaser, the combination of both tensile strength from option a) and hardness from option c) may be specified. This document specifies six grades of grey cast iron by a classification based on tensile strength determined on machined test pieces prepared from cast samples (see Table 1) and six grades of grey cast iron by a classification based on Brinell hardness (see Table 2). This document does not cover technical delivery conditions for iron castings; see EN 1559-1 [3] and EN 1559-3 [4]. This document does not apply to grey cast irons used for pipes and fittings according to EN 877 [5].

Keel: en
Alusdokumendid: EN 1561:2023
Asendab dokumenti: EVS-EN 1561:2011

EVS-EN 16079:2023

Founding - Compacted (vermicular) graphite cast irons

This document defines the grades and the corresponding requirements for compacted (vermicular) graphite cast irons. This document specifies 4 grades of compacted (vermicular) graphite cast iron by a classification based on the minimum mechanical properties measured on machined test pieces prepared from cast samples or samples cut from a casting. This document does not cover technical delivery conditions for iron castings (see EN 1559-1 [1] and EN 1559-3 [2]).

Keel: en
Alusdokumendid: EN 16079:2023
Asendab dokumenti: EVS-EN 16079:2011

EVS-EN 573-3:2019+A2:2023

Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition and form of products

This document specifies the chemical composition limits of wrought aluminium and wrought aluminium alloys and form of products. NOTE The chemical composition limits of aluminium and aluminium alloys specified herein are completely identical with those registered with the Aluminium Association, 1525, Wilson Boulevard, Suite 600, Arlington, VA 22209, USA, for the corresponding alloys.

Keel: en
Alusdokumendid: EN 573-3:2019+A2:2023
Asendab dokumenti: EVS-EN 573-3:2019+A1:2022

EVS-EN ISO 6508-1:2023

Metallic materials - Rockwell hardness test - Part 1: Test method (ISO 6508-1:2023)

This document specifies the method for Rockwell regular and Rockwell superficial hardness tests for scales A, B, C, D, E, F, G, H, K, 15N, 30N, 45N, 15T, 30T, and 45T for metallic materials and is applicable to stationary and portable hardness testing machines. For specific materials and/or products, other specific International Standards apply (e.g. ISO 3738-1 and ISO 4498).

Keel: en
Alusdokumendid: ISO 6508-1:2023; EN ISO 6508-1:2023
Asendab dokumenti: EVS-EN ISO 6508-1:2016

EVS-EN ISO 6508-2:2023

Metallic materials - Rockwell hardness test - Part 2: Verification and calibration of testing machines and indenters (ISO 6508-2:2023)

This document specifies two separate methods of verification of testing machines (direct and indirect) for determining Rockwell hardness in accordance with ISO 6508-1, together with a method for verifying Rockwell hardness indenters. The direct verification method is used to determine whether the main parameters associated with the machine function, such as applied force, depth measurement, and testing cycle timing, fall within specified tolerances. The indirect verification method uses a number of calibrated reference hardness blocks to determine how well the machine can measure a material of known hardness. This document is applicable to stationary and portable hardness testing machines. Attention is drawn to the fact that the use of tungsten carbide composite for ball indenters is considered to be the standard type of Rockwell indenter ball.

Keel: en
Alusdokumendid: ISO 6508-2:2023; EN ISO 6508-2:2023
Asendab dokumenti: EVS-EN ISO 6508-2:2015

EVS-EN ISO 6508-3:2023

Metallic materials - Rockwell hardness test - Part 3: Calibration of reference blocks (ISO 6508-3:2023)

This document specifies a method for the calibration of reference blocks to be used for the indirect and daily verification of Rockwell hardness testing machines and indenters, as specified in ISO 6508-2. This document also specifies requirements for Rockwell machines and indenters used for calibrating reference blocks and specifies methods for their calibration and verification. Attention is drawn to the fact that the use of hard metal for ball indenters is considered to be the standard type of Rockwell indenter ball.

Keel: en
Alusdokumendid: ISO 6508-3:2023; EN ISO 6508-3:2023
Asendab dokumenti: EVS-EN ISO 6508-3:2015

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 16486-1:2023

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General (ISO 16486-1:2023)

This document specifies the general properties of unplasticized polyamide (PA-U) compounds for the manufacture of pipes, fittings and valves made from these compounds, intended to be buried and used for the supply of gaseous fuels. It also specifies the test parameters for the test methods to which it refers. The ISO 16486 series is applicable to PA-U piping systems, the components of which are connected by fusion jointing and/or mechanical jointing. This document establishes a calculation and design scheme on which to base the maximum operating pressure (MOP) of a PA-U piping system. NOTE For the purpose of this document the term gaseous fuels includes, for example, natural gas, methane, butane, propane, hydrogen, manufactured gas, biogas, and mixtures of these gases.

Keel: en
Alusdokumendid: ISO 16486-1:2023; EN ISO 16486-1:2023
Asendab dokumenti: EVS-EN ISO 16486-1:2020

EVS-EN ISO 182-3:2023

Plastics - Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures - Part 3: Conductometric method (ISO 182-3:2023)

This document specifies a method for the determination of the thermal stability at elevated temperature of compounds and products based on vinyl chloride homopolymers and copolymers (in the following text abbreviated as PVC) which undergo dehydrochlorination (the evolution of hydrogen chloride). This document is applicable to the characterization of PVC compounds and products, especially with regard to the effectiveness of their heat-stabilizing systems. It is applicable to coloured PVC compounds and products where a discolouration test under the action of heat may be unsatisfactory. This document is applicable to compounded PVC materials and products. It can be applicable to polymers in powder form under appropriate conditions, to be agreed upon between the interested parties. This document does not apply to PVC compounds in the form of dry blends, since such materials can be not sufficiently homogeneous. This document does not apply to PVC compounds and products which evolve other decomposition products, in addition to hydrogen chloride, at elevated temperatures that can affect the conductivity of water when they are absorbed into it. In this case, a method suitable for the determination of chloride ion (Cl^-) in the absorbing solution shall be used (see ISO 182-4[2]). This document can also be applied to other plastics materials which can evolve hydrogen chloride or other hydrogen halides when heated under the conditions prescribed by the relevant specifications, or as agreed upon between the interested parties.

Keel: en
Alusdokumendid: ISO 182-3:2023; EN ISO 182-3:2023
Asendab dokumenti: EVS-EN ISO 182-3:2001

EVS-EN ISO 20753:2023

Plastics - Test specimens (ISO 20753:2023)

This document specifies dimensional requirements relating to test specimens prepared from plastics materials intended for processing by moulding, as well as to test specimens prepared by machining from sheets or shaped articles. It compiles the designations and dimensions of test specimens used for the acquisition of comparable data and of other frequently used specimens. The following types of test specimen are specified: A Tensile specimen, multipurpose or reduced-scale B Bar specimen C Small tensile specimen D Square plate specimen F Rectangular plate specimen NOTE If a particular type of test specimen is not mentioned in this document, this does not mean that there is any intention to exclude the use of the specimen. Additional specimen types can be added in future if they are commonly used.

Keel: en
Alusdokumendid: ISO 20753:2023; EN ISO 20753:2023
Asendab dokumenti: EVS-EN ISO 20753:2018

EVS-EN ISO 8256:2023

Plastics - Determination of tensile-impact strength (ISO 8256:2023)

1.1 This document specifies two methods (method A and method B) for the determination of the tensile-impact strength of plastics under defined conditions. The tests can be described as tensile tests at relatively high strain rates. These methods can

be used for rigid materials (as defined in ISO 472), but are especially useful for materials too flexible or too thin to be tested with impact tests conforming to the ISO 179 series or ISO 180. 1.2 These methods are used for investigating the behaviour of specified specimens under specified impact velocities, and for estimating the brittleness or the toughness of specimens within the limitations inherent in the test conditions. 1.3 These methods are applicable both to specimens prepared from moulding materials and to specimens taken from finished or semi-finished products (for example mouldings, laminates, or extruded or cast sheets). 1.4 Results obtained by testing moulded specimens of different dimensions are not necessarily the same. Equally, it is possible that specimens cut from moulded products will not give the same results as specimens of the same dimensions moulded directly from the material. Test results obtained from specimens prepared from moulding compounds cannot be applied directly to mouldings of any given shape, because values may depend on the design of the moulding and the moulding conditions. Results obtained by method A and method B can or can not be comparable. 1.5 These methods are not suitable for use as a source of data for design calculations on components. Information on the typical behaviour of a material can be obtained, however, by testing different types of test specimen prepared under different conditions, and by testing at different temperatures. The two different methods are suitable for production control as well as for quality control.

Keel: en
Alusdokumendid: ISO 8256:2023; EN ISO 8256:2023
Asendab dokumenti: EVS-EN ISO 8256:2004

85 PABERITEHNOLOOGIA

CWA 18062:2023

Determination of trace chemicals extracted from absorbent hygiene products (AHPs) using simulated urine/menstrual fluid

This document specifies a method to identify and quantify trace chemicals potentially present in single-use absorbent hygiene products (AHPs). It is applicable for the investigation of single-use baby diapers, single-use menstrual products and single-use adult incontinence products. The results of this method are dependent on the prescribed extraction conditions, in which simulated body fluids are used exclusively. Table 1 shows the various product categories in scope. [Table 1]

Keel: en
Alusdokumendid: CWA 18062:2023

EVS-EN 17917:2023

Paper and board - Paper and board intended to come into contact with foodstuffs - Determination of aluminium in aqueous extracts

This document specifies a test method for the determination of aluminium in aqueous extracts. It is applicable to paper and board with extractable aluminium content of at least 0,2 mg/l. Aluminium extract levels below those given can be measured using this document if sensitive equipment is available and if all other laboratory conditions fulfil the requirements for trace element analysis.

Keel: en
Alusdokumendid: EN 17917:2023

91 EHITUSMATERJALID JA EHITUS

CEN/TR 17167:2023

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

This Technical Report contains additional information to the requirements determined in EN 13757-2, EN 13757-3 and EN 13757-7, in particular examples for the implementation, Datagram examples secured by security mechanism of part 7 and additional non-normative requirements beyond meter communication itself.

Keel: en
Alusdokumendid: CEN/TR 17167:2023
Asendab dokumenti: CEN/TR 17167:2018

EVS 920-5:2023

Katuseehitusreeglid. Osa 5: Lamekatused
Requirements for roof building - Part 5: Flat roofs

See Eesti standard määratleb nõuded lamekatuste konstruktsiooni- ja sõlmlahenduste ehitamiseks ning peamised nõuded lamekatustel kasutavatele materjalidele. See Eesti standard määrab nõuded toodetele ja paigalduslahendustele nende kasutamiseks tavalistes ekspluatatsioonitingimustes ettemääratud minimaalseks tööeaks. Lamekatuseks nimetatakse kokkuleppeliselt katuseid, mille kalle on 1 : 10 või sellest väiksem. Lamekatused on üldjuhul kaetud rullmaterjaliga või muu katkematu hüdroisolatsiooniga. See Eesti standard on mõeldud juhindumiseks lamekatuste paigaldajatele, üldehitajatele, materjalide tootjatele, projekteerijatele, arhitektidele, ehitusjärelevalvele, ekspertidele ja lõpptarbijatele. Katusehooldust käsitletakse standardis EVS 920-1.

Keel: et
Asendab dokumenti: EVS 920-5:2015
Asendab dokumenti: EVS 920-5:2015/AC:2015

EVS-EN 1097-1:2023

Täitematerjalide mehaaniliste ja füüsikaliste omaduste katsetamine. Osa 1: Kulumiskindluse määramine (mikro-Deval)

Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)

See dokument spetsifitseerib jämetäitematerjali (standardi põhiosa) ja raudtee ballastina kasutatava täitematerjali (lisa A) kulumiskindluse määramise põhimeetodi mikro-Devali seadmega tüübikatsete ja lahkarvamuste puhul. Muudel juhtudel, näiteks tehase tootmisohjes, võib kasutada muid meetodeid juhul, kui enne on kindlaks määratud kasutatava meetodi suhestumine asjakohase põhimeetodiga. See dokument kehtib looduslike, toodetud, taaskasutatavate või kergtäitematerjalide puhul. MÄRKUS See dokument ei ole kasutatav mõnede kergtäitematerjalide tüüpide puhul. Põhimeetodi katse tehakse vee lisamisega. Lisas B on esitatud üksikasjad selle kohta, kuidas katset saab teha ilma vett lisamata. Lisa A esitab meetodi raudtee ballastina kasutatava täitematerjali kulumiskindluse määramiseks abrasiivset lisandit kasutamata. Lisas C on toodud katsemeetod, mis kasutab alternatiivset liigitust kitsasteks fraktsioonideks. Lisad D ja E kirjeldavad peentäitematerjali kulumiskindluse määramise meetodeid. Põhimeetodi täpsust puudutavad andmed on antud lisas F. Lisa A on normlisa ning lisad B, C, D, E ja F on teatmelisad. HOIATUS – Selle EN 1097 osa kasutamine võib hõlmata ohtlikke materjale, toiminguid ja seadmeid (nt tolm, müra ja raskete asjade tõstmine). Dokumendi eesmärk ei ole käsitleda kõiki selle kasutamisega seotud ohutus- või keskkonnaprobleeme. Selle dokumendi kasutajad vastutavad asjakohaste meetmete rakendamise eest, et tagada personali ohutus ja tervis ning keskkonnakaitse enne selle dokumendi rakendamist ning täita selleks seadusandlikke ja normatiivseid nõudeid.

Keel: en, et
Alusdokumendid: EN 1097-1:2023
Asendab dokumenti: EVS-EN 1097-1:2011

EVS-EN 13757-2:2018+A1:2023

Communication systems for meters - Part 2: Wired M-Bus communication

This European standard is applicable to the physical and link layer parameters of baseband communication over twisted pair (M Bus) for meter communication systems. It is especially applicable to thermal energy meters, heat cost allocators, water meters and gas meters. NOTE It is usable also for other meters (like electricity meters) and for sensors and actuators. For generic descriptions concerning communication systems for meters and remote reading of meters see EN 13757-1.

Keel: en
Alusdokumendid: EN 13757-2:2018+A1:2023
Asendab dokumenti: EVS-EN 13757-2:2018

EVS-EN 15502-1:2021+A1:2023

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed

Gas-fired heating boilers - Part 1: General requirements and tests

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as “boilers”. This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones). This European Standard applies to boilers of types B and C. NOTE For further background information on appliance types see CEN/TR 1749:2014 [1]. a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437; b) where the temperature of the water is below or above 105 °C during normal operation; c) where the maximum operating pressure in the water circuit does not exceed 6 bar; d) which can give rise to condensation under certain circumstances; e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler"; NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler"." f) which are intended to be installed inside a building or in a partially protected place; g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit. This European Standard applies to boilers designed for sealed water systems or for open water systems. NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE). This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components

Keel: en
Alusdokumendid: EN 15502-1:2021+A1:2023
Asendab dokumenti: EVS-EN 15502-1:2021
Asendab dokumenti: EVS-EN 15502-1:2021/AC:2022

EVS-EN 15502-2-1:2022+A1:2023

Gaasküttega keskküttekatlad. Osa 2-1: Erinõuded C tüüpi kateldele ja B2, B3 ning B5 tüüpi kateldele nimisoojuskoormusega mitte üle 1 000 kW

Gas-fired central heating boilers - Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW

This document specifies the requirements and test methods, as well as the classification and marking of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter

referred to as "boilers". This document is intended to be used in conjunction with EN 15502-1:2021. This document covers gas-fired central heating boilers from the types C1 up to C(11) and the types B2, B3 and B5: NOTE 1 For further background information on appliance types see EN 1749:2020. a) that have a nominal heat input (on the basis of net calorific value) not exceeding 1 000 kW; b) that use one or more combustible gases of the three gas families at the pressures stated in EN 437:2021; c) where the temperature of the heat transfer fluid does not exceed 105 °C during normal operation; d) where the maximum operating pressure in the water circuit does not exceed 6 bar; e) which can give rise to condensation under certain circumstances; f) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler"; if no declaration is given the boiler is to be considered a "standard boiler"; g) which are intended to be installed inside a building or in a partially protected place; h) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit; i) which are designed for either sealed water systems or for open water systems; j) which are either modular boilers, or non-modular boilers. k) which are from the types C(10) that are equipped with a gas-air ratio control and that have a ∆pmax, saf(min) of 25 Pa, and C(11) that have condensing boiler modules that are equipped with a gas-air ratio control and that have a ∆pmax, saf(min) of 25 Pa. NOTE 2 This document provides requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard, the risk associated with this alternative construction needs to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This document does not cover all the requirements for: aa) appliances above 1 000 kW; ab) appliances that are intended to be connected to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex AB of EN 15502-1:2021); ac) appliances using flue dampers; ad) appliances of the types B21, B31, B51, C21, C41, C51, C61, C71, C81, C(12) and C(13); ae) C7 appliances that have a nominal heat input (on the basis of net calorific value) exceeding 70 kW; af) appliances incorporating flexible plastic flue liners; ag) C(10) boilers: 1) without a gas-air ratio control, or 2) which are non-condensing appliances, or 3) which have a maximum safety pressure difference at minimum heat input not equal to 25 Pa (∆pmax, saf(min)); ah) C(11) boilers that have boiler modules: 1) without a gas-air ratio control, or 2) which are non-condensing appliances, or 3) which have a maximum safety pressure difference at minimum heat input not equal to 25 Pa (∆pmax, saf(min)); ai) appliances intended to be connected to a flue having mechanical extraction; aj) surface temperatures of external parts particular to children and elderly people; ak) appliances that are intended to burn natural gases of the second family where hydrogen is added to the natural gas; al) appliances equipped with an adaptive combustion control function (ACCF); am) boilers intended to be installed in areas accessible to elderly people and children.

Keel: en
Alusdokumendid: EN 15502-2-1:2022+A1:2023
Asendab dokumenti: EVS-EN 15502-2-1:2022

EVS-EN 16005:2023

Masinkasutusega uksed. Kasutusohutus. Nõuded ja katsemeetodid
Power operated pedestrian doorsets - Safety in use - Requirements and test methods

This document specifies requirements regarding design and test methods for power operated pedestrian doorsets. Examples of how the doorset constructions may be operated include: electro-mechanically, electro-hydraulically, electro-magnetically or pneumatically. This document covers safety in use of power operated pedestrian doorsets used for normal access as well as in emergency and escape routes and as fire resistance and/or smoke control doorsets. The type of doorsets covered include power operated pedestrian sliding, swing and revolving doorsets, including balanced doorsets and folding doorsets with a horizontally moving door leaf. This document deals with all significant hazards, hazardous situations and events relevant to power operated doorsets when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. All lifetime phases of the power operated pedestrian doorsets including transportation, assembly, dismantling, disabling and scrapping are considered by this document. This document does not apply to: - vertically moving doors; - doors on lifts; - doors on vehicles; - power operated doors or gates mainly intended for vehicular traffic or access for goods; - doors used in industrial processes; - partition walls; - doors outside the reach of people (such as crane gantry fences); - turnstiles; - platform doors; - traffic barriers. This document does not cover special functions of doorsets, such as security in banks, airports, etc. or fire and/or smoke compartmentation, where conformity of the specific function with requirements of the application is the preference. This document does not deal with any specific requirements on noise emitted from power operated pedestrian doorsets as their noise emission is not considered to be a relevant hazard. NOTE Noise emission of power operated pedestrian doorsets is not a significant hazard for the users of these products. It is a comfort aspect. This document is not applicable to power operated pedestrian doorsets manufactured before the date of its publication. This document does not cover operation in environments where there is a risk of explosion.

Keel: en
Alusdokumendid: EN 16005:2023
Asendab dokumenti: EVS-EN 16005:2012
Asendab dokumenti: EVS-EN 16005:2012/AC:2015

EVS-EN 16346:2023

Bitumen and bituminous binders - Determination of breaking behaviour and immediate adhesivity of cationic bituminous emulsions

This document specifies a method for the determination of the breaking and immediate adhesivity behaviour of cationic bituminous emulsions in contact with aggregate. The method applies to emulsions used for surface dressing and similar applications and can be used for formulation as well as for production control purposes. 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 establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 16346:2023
Asendab dokumenti: CEN/TS 16346:2012

EVS-EN 17872:2023

Flexible sheets for waterproofing - Underlays for discontinuous roof coverings - Artificial ageing procedure

This document specifies a procedure for artificial ageing of flexible underlays which are used under discontinuous roof coverings. This is achieved by exposing test samples to UV-radiation, elevated temperature in combination with high relative humidity and elevated temperature in combination with accelerated air-speed.

Keel: en
Alusdokumendid: EN 17872:2023

EVS-EN 17873:2023

Flexible sheets for waterproofing - Underlays for discontinuous roof coverings and walls - Instructions for mounting and fixing for reaction to fire testing

This document specifies instructions for mounting and fixing for reaction to fire testing of factory-made underlays for discontinuous roof coverings and walls and contains provisions for direct and extended application rules. These mounting and fixing procedures are not intended to be used for flat roofed waterproofing applications.

Keel: en
Alusdokumendid: EN 17873:2023

EVS-EN 17879:2023

Event structures - Safety requirements

This document specifies the minimum requirements necessary to ensure the safe design, calculation, manufacture, assembly, operation, disassembly, inspection and maintenance of the following, but not limited to: • structures e.g. stage roofs, stage floors, follow spot towers, PA towers, • LED support structures, • one-off event structures, • hospitality structures, • temporary spectator facilities. The above hereafter called event structures are structures intended to be installed and dismantled specifically for an event. This document does not cover: • Spectator facilities – EN 13200-series, • Temporary structure – Tents – safety by EN 13782, • Fairground and amusement park machinery and structures as per EN 13814 series, • Temporary works equipment covered by CEN/TC 53, • Inflatable play equipment-safety requirements and test methods as per EN 14960, • Entertainment Technology as described by CEN TC 433. NOTE This document is not applicable to event structures which are designed, manufactured, placed on the market or put in service before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: EN 17879:2023

EVS-EN 17886:2023

Thermal insulation products - Assessment of the susceptibility to mould growth - Laboratory test method

This document describes a laboratory test method to determine the susceptibility of thermal insulation products used for construction against mould growth under specified climatic conditions. The method is applicable to both factory-made products and in situ formed products. Factory-made products include panels, mats and rolls. NOTE In situ formed products are usually those that are delivered loose and installed by blowing-in, pouring, or spraying-on, eventually using water and/or binder, whether or not they are also treated using additives. The test is carried out with one of the conditions described in Table 1. This test method determines the susceptibility of a thermal insulation material to mould growth, but it does not determine the suitability for use in a given design (wall, roof, etc.). This method does not predict the resistance of an insulation product to water damage.

Keel: en
Alusdokumendid: EN 17886:2023

EVS-EN 200:2023

Sanitary tapware - Single taps and combination taps for water supply systems of type 1 and type 2 - General technical specification

This document specifies: a) the field of application for pillar taps, bib taps, single and multi-hole combination taps for use in: 1) a supply system of Type 1 (see Figure 1) with a pressure range of (0,05 to 1,0) MPa [(0,5 to 10) bar]; 2) a supply system of Type 2 (see Figure 2) with a pressure range of (0,01 to 1,0) MPa [(0,1 to 10) bar]; b) the dimensional, leak tightness, pressure resistance, hydraulic performance, mechanical strength, endurance, corrosion resistance of the surface of the product, sequence of testing and acoustic characteristics with which sanitary tapware products including their components (flexible hose, pullout spray) need to comply where applicable; c) test methods to verify the characteristics. The tests described in this document are type tests (laboratory tests) and not quality control or factory production control (FPC) tests carried out during manufacture. This document is applicable to draw-off taps (single taps and combination taps) for use with sanitary appliances installed in rooms used for personal hygiene (cloakrooms, bathrooms etc.) and for food preparation (kitchens), i.e. for use with baths, basins, bidets, showers and sinks. This document applies to sanitary draw-off taps of nominal size 3/8”, 1/2", 3/4" and 1” (PN 10). The conditions of use and classifications are given in Table 1. Table 1 - Conditions of use [table not reproduced here] [figure not reporduced here] Figure 1- Supply system of Type 1 with a pressure range of (0,05 to 1,0) MPa [(0,5 to 10) bar] [figure not reporduced here] Figure 2 - Supply system of Type 2 with a pressure range of (0,01 to 1,0) MPa [(0,1 to 10) bar] NOTE Components which are part or can be delivered with sanitary tapware products are listed in Annex C. Final materials included in the product are not covered by this document.

Keel: en
Alusdokumendid: EN 200:2023
Asendab dokumenti: EVS-EN 200:2008

EVS-EN 26:2023

Gaasküttega läbivoolu veekuumutusseadmed kodumajapidamises
Gas-fired instantaneous water heaters for the production of domestic hot water

This European Standard defines the specifications and test methods concerning the construction, safety, rational use of energy and fitness for purpose, and also the classification and marking of gas-fired instantaneous water heaters for sanitary uses, hereafter called “water heaters”. This European Standard applies to water heaters: - of types AAS, B11, B11BS, B12, B12BS, B13, B13BS, B14, B22, B23, B32, B33, B44, B52, B53, C11, C12, C13, C21, C22, C23, C32, C33, C42, C43, C52, C53, C62, C63, C72, C73, C82and C83 according to CEN/TR 1749; - fitted with atmospheric burners; - equipped with atmospheric burners assisted by a fan for the supply of combustion air or evacuation of combustion products or fully premix burners; - using one or more combustible gases corresponding to the three gas families and at the pressures stated in accordance to EN 437; - of nominal heat input not exceeding 70 kW; - with an ignition burner or with direct ignition of the main burner. In this European Standard, the heat inputs are expressed in relation to the net calorific value (Hi). This European Standard does not contain all the requirements necessary for: - boiling water appliances; - appliances intended to be connected to a mechanical means of evacuating the combustion products; - appliances which fulfil a dual role of space heating and heating water for sanitary use; - appliances making use of the heat of condensation of the water contained in the combustion products; - water heaters of types B21, B31, B41, B42, B43 and B51. This European Standard only covers water heaters where the fan, if any, is an integral part of the appliance. This European Standard: - does not apply to appliances not intended to be connected to a flue when they are not fitted with an atmosphere sensing device; - takes account of the information given in Technical Report CEN/CR 1472:1994 with respect to marking. Type B appliances should be with a combustion products discharge safety device to comply with essential requirement 3.4.3 of the Gas Appliances Directive 2009/142/EC. In this European Standard, the appliance is identified as type B11BS. Appliances intended to be installed outdoors or in a room separate from inhabited rooms and provided with appropriate ventilation are not required to have this combustion products discharge safety device but, in this case, appropriate warnings on the packaging, and in the instructions should clearly define the limited authorized use for this type of appliance. In this European Standard, the appliance is identified as type B11. The main symbols used in this European Standard are summarized in Annex F.

Keel: en
Alusdokumendid: EN 26:2023
Asendab dokumenti: EVS-EN 26:2015

EVS-EN IEC 60335-2-84:2021/A12:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilet appliances

This European Standard deals with the safety of electric toilet appliances having a rated voltage being not more than 250 V, in which excrement is stored, dried or destructed or which wash or dry parts of the human body

Keel: en
Alusdokumendid: EN IEC 60335-2-84:2021/A12:2023
Muudab dokumenti: EVS-EN IEC 60335-2-84:2021
Muudab dokumenti: EVS-EN IEC 60335-2-84:2021+A11:2021

EVS-EN ISO 11855-8:2023

Building environment design - Design, dimensioning, installation and control of embedded radiant heating and cooling systems - Part 8: Electrical heating systems (ISO 11855-8:2023)

This document specifies procedures and conditions to enable the heat flux in electrical surface heating systems to be determined relative to the medium differential temperature for systems. The determination of thermal performance electrical surface heating systems and their conformity to this document is carried out by calculation in accordance with design documents and a model. This enables a uniform assessment and calculation surface heating systems. The surface temperature and the temperature uniformity of the heated surface, nominal heat flux density between electrical heated layer and space are given as the result. The ISO 11855 series is applicable to water based embedded surface heating and cooling systems in residential, commercial and industrial buildings[1]. The methods apply to systems integrated into the wall, floor or ceiling construction without any open-air gaps. It does not apply to ceiling mounted panel systems with open air gaps which are not integrated into the building structure. The ISO 11855 series also applies, as appropriate, to the use of fluids other than water as a heating or cooling medium. The ISO 11855 series is not applicable for testing of systems. The methods do not apply to heated or chilled ceiling panels or beams.

Keel: en
Alusdokumendid: ISO 11855-8:2023; EN ISO 11855-8:2023

EVS-EN ISO 18393-1:2023

Thermal insulation products - Determination of settlement - Part 1: Loose-fill insulation for ventilated attics simulating humidity and temperature cycling (ISO 18393-1:2023)

This document specifies a test method for the determination of settlement of loose-fill insulation applied horizontally in ventilated attics. This test method measures the effects of humidity and temperature cycling.

Keel: en
Alusdokumendid: ISO 18393-1:2023; EN ISO 18393-1:2023

EVS-HD 60364-7-716:2023

Madalpingelised elektripaigaldised. Osa 7-716: Nõuded eripaigaldistele või -paikadele. Väikepingeline alalisvoolujaotus info- ja sidetehnika kaablitaristu kaudu
Low-voltage electrical installations - Part 7-716: Requirements for special installations or locations – ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)

Standardi IEC 60364 see osa määrab kindlaks nõuded elektripaigaldistele väikepingelise alalisvoolu jaotamiseks, kasutades sümmeetrilisi sidekaableid ja peamiselt andmeedastuseks mõeldud tarvikuid, nagu on määratletud standardi ISO/IEC 11801-1 kanalite kategooriana, kasutades toiteallikana standardile IEC 62368-3 vastavaid seadmeid. Lisatud on nõuded telekommunikatsioonitaristu projekteerimisele, püstitamisele ja kontrollimisele nii telekommunikatsiooni kui ka väikepingelise alalisvoolu jaotamise eesmärgil. Täiendavalt on lisatud nõuded olemasoleva telekommunikatsioonitaristu kasutamisele väikepingelise alalisvoolu jaotamiseks. Toiteedastussüsteemid hõlmavad, kuid ei ole nendega piiratud, standardiga IEEE 802.3 määratletud Etherneti toiteedastussüsteeme (ingl Power over Ethernet). See dokument ei kehti kaablite ja tarvikute kasutamise kohta tuumik- ja juurdepääsuvõrkudes, näiteks privaatjaamades (ingl private branch exchange, PBX).

Keel: en, et
Alusdokumendid: IEC 60364-7-716:2023; HD 60364-7-716:2023

93 RAJATISED

EVS-EN 12697-22:2020+A1:2023

Asfaltsegud. Katsemeetodid. Osa 22: Rattaroopa katse
Bituminous mixtures - Test methods - Part 22: Wheel tracking

This document describes test methods for determining the susceptibility of bituminous materials to deform under load. The test is applicable to mixtures with upper sieve size less than or equal to 32 mm. The tests are applicable to specimens prepared from asphalt mixtures that have either been manufactured in a laboratory or cut from a pavement; test specimens are held in a mould with their surface flush with the upper edge of the mould. The susceptibility of bituminous materials to deform is assessed by the rut formed by repeated passes of a loaded wheel at constant temperature. Three alternative types of device can be used according to this standard: large-size devices, extra large-size devices and small-size devices. With large-size devices and extra large-size devices, the specimens are conditioned in air during testing. With small-size devices, specimens are conditioned, in either air or water. NOTE Large-size and extra large-size devices are not suitable for use with cylindrical cores.

Keel: en
Alusdokumendid: EN 12697-22:2020+A1:2023
Asendab dokumenti: EVS-EN 12697-22:2020

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 12196:2023

Võimlemisriistad. Hobused ja kitsed. Funktsionaalsed ja ohutusnõuded, katsemeetodid
Gymnastic equipment - Horses and bucks - Functional and safety requirements, test methods

This document specifies functional requirements (see Clause 4) and specific safety requirements for four types of horses and bucks (see Table 1) in addition to the general safety requirements in EN 913:2018+A1:2021.

Keel: en
Alusdokumendid: EN 12196:2023
Asendab dokumenti: EVS-EN 12196:2003

EVS-EN 1273:2020+A1:2023

Lapsehooldustooted. Käimistoolid beebidele. Ohutusnõuded ja katsemeetodid
Child care articles - Baby walking frames - Safety requirements and test methods

This document specifies safety requirements and test methods for baby walking frames into which a child is placed, and intended to be used from when the child is able to sit up by itself until the child is able to walk by itself. This document does not apply to baby walking frames for therapeutic and curative purposes and to those baby walking frames relying on inflatable parts to support the child. Toys (e.g. ride on toys, push-along toys, usually intended for children able to walk unaided) are not covered by this document. If a baby walking frame has several functions or can be converted into another function the relevant European standards apply to it.

Keel: en
Alusdokumendid: EN 1273:2020+A1:2023
Asendab dokumenti: EVS-EN 1273:2020

EVS-EN 13329:2023

Laminate floor coverings - Specifications, requirements and test methods

This document specifies characteristics, requirements and test methods for laminate floor coverings with a surface layer as defined in 3.2 to 3.5. It also specifies requirements for marking and packaging. It includes a classification system, based on EN ISO 10874, giving practical requirements for areas of use and levels of use, to indicate where laminate floor coverings will give satisfactory service and to encourage the consumer to make an informed choice. Laminate floor coverings are generally designed for floating installations and are considered for domestic and commercial levels of use, including domestic kitchens. This document does not

specify requirements relating to the use in areas which are subjected to frequent wetting, such as bathrooms, laundry rooms or saunas. In general, laminate floor coverings can only be used in those areas when authorized by the manufacturer and under conditions described in the manufacturer's installation guidelines.

Keel: en
Alusdokumendid: EN 13329:2023
Asendab dokumenti: EVS-EN 13329:2016+A2:2021
Asendab dokumenti: EVS-EN 14978:2016+A1:2021
Asendab dokumenti: EVS-EN 15468:2016+A1:2021

EVS-EN 15185:2023

Furniture - Assessment of the surface resistance to abrasion

This document specifies a method for the assessment of the abrasion resistance of surfaces with foils, laminates, melamine faced boards, pigmented and transparent lacquers. It does not apply to leather and textile surfaces. It does not apply to the surfaces covered by EN 14434. The test is intended to be carried out on an unused part of the finished furniture, but can be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test. The test is intended to be carried out on unused surfaces.

Keel: en
Alusdokumendid: EN 15185:2023
Asendab dokumenti: EVS-EN 15185:2011

EVS-EN 15372:2023

Furniture - Strength, durability and safety - Requirements for non-domestic tables

This document specifies requirements for the safety, strength, and durability for all types of non-domestic storage furniture including office storage furniture. It does not apply to domestic storage, industrial storage, kitchen, catering equipment, retail storage, and industrial storage lockers. Requirements for strength and durability do not apply to the structure of the building for example the strength of wall hanging cabinets includes only the cabinets and the parts used for attachment. The wall and the wall attachments are not included. This document contains five annexes: - Annex A (normative) Test methods for finger entrapment and shear and compression; - Annex B (normative) Requirements for schools, kindergartens and similar applications; - Annex C (normative) Selecting product from a range of furniture; - Annex D (informative) Guidance of test severity in relation to application for non-domestic storage furniture; - Annex E (informative) Suggested loads for tests not specified in this document. It does not include requirements for the resistance to ageing, degradation and flammability.

Keel: en
Alusdokumendid: EN 15372:2023
Asendab dokumenti: EVS-EN 15372:2016

EVS-EN 16121:2023

Non-domestic storage furniture - Requirements for safety, strength, durability and stability

This document specifies requirements for the safety, strength, and durability for all types of non-domestic storage furniture. It does not apply to domestic storage, industrial storage, kitchen, catering equipment, retail storage, and industrial storage lockers. Requirements for strength and durability do not apply to the structure of the building for example the strength of wall hanging cabinets includes only the cabinets and the parts used for attachment. The wall and the wall attachments are not included. The standard contains five annexes Annex A (normative) Test methods for finger entrapment; Annex B (normative) Requirements for schools, kindergartens and similar applications Annex C (normative) Selecting product from a range of furniture Annex D (informative) Guidance of test severity in relation to application Annex E (informative) Suggested loads for tests not specified in this standard It does not include requirements for the resistance to ageing, degradation and flammability.

Keel: en
Alusdokumendid: EN 16121:2023
Asendab dokumenti: EVS-EN 14073-2:2004
Asendab dokumenti: EVS-EN 16121:2013+A1:2017

EVS-EN 17206-2:2023

Entertainment technology - Machinery for stages and other production areas - Part 2: Safety requirements for stands and truss lifts

This document applies to manually operated and or power-driven stands with an Entertainment Load Limit (ELL) of more than 3 kg. NOTE 1 The ELL is the maximum load that an item of lifting equipment is designed to raise, lower or sustain. This is part 2 of the EN 17206 series. This document applies to stands which are used in places of assembly and in staging and production facilities for events and theatrical productions. Stands within the meaning of this document are used for the purposes of lifting, lowering, and holding loads (e.g. scenic elements, trusses, lighting and audiovisual equipment). It is also possible for several stands to carry a common load. These installations are not permitted to be used for the transportation of persons or for the movement of loads above people’s heads. Standing under loads is permitted when these are at rest. NOTE 2 Only during setup, the operator might, for operational reasons, be required to stand in the hazard zone for short periods of time. This document also applies to installations with new technologies or customized designs that are not expressly named here but are being used in identical modes of operation. This document does not apply to: — stands with a Load Limit ≤ 3 kg; — camera stands; — wooden stands. This document also specifies the information to be communicated between manufacturers and users, and the details that are to be provided with regards to the intended use of the machinery installations. The significant hazards dealt with in this document are identified in Clause 4.

Keel: en
Alusdokumendid: EN 17206-2:2023

EVS-EN 17795-5:2023

Entertainment Technology - Codes of Practice - Part 5: Lifting and motion Operations in the Event Industry

This code of practice provides a set of guidelines for lifting and motion operations related to machinery and machinery installations used in staging and production facilities for events. This document is pertinent to all the machinery phases, assembly, commissioning, setting, operation and dismantling employed in the event industry including machinery defined in point j, Article 1.2 of the Machinery Directive (2006/42/EC): "machinery intended to move performers during artistic performances". This document also applies to machinery and machinery installations based on new technologies or specially designed installations which are not expressly mentioned here but which nevertheless operate in a similar manner or are meant for similar purposes to those listed above. This document does not provide specific details but is intended to provide general guidelines on planning and the process of lifting and motion operations.

Keel: en
Alusdokumendid: EN 17795-5:2023

EVS-EN 17850:2023

Hardware for furniture - Star bases for seating - Requirements and test methods

This document specifies requirements and test methods for the determination of the strength, durability and stiffness of star bases for use for seating with three or more legs. It is not applicable for star bases intended to be used in child seating products. It is applicable without regard to materials, design/construction or manufacturing processes. It is a component standard helping to regulate star-base properties between component manufacturer and manufacturer of final seating. This document is not relevant for the final consumer where standards for complete articles exist. The requirements are based upon star bases fitted with glides and with castors whose wheels are up to 65 mm diameter and for use by persons weighing up to 150 kg.

Keel: en
Alusdokumendid: EN 17850:2023

EVS-EN 17879:2023

Event structures - Safety requirements

This document specifies the minimum requirements necessary to ensure the safe design, calculation, manufacture, assembly, operation, disassembly, inspection and maintenance of the following, but not limited to: • structures e.g. stage roofs, stage floors, follow spot towers, PA towers, • LED support structures, • one-off event structures, • hospitality structures, • temporary spectator facilities. The above hereafter called event structures are structures intended to be installed and dismantled specifically for an event. This document does not cover: • Spectator facilities – EN 13200-series, • Temporary structure – Tents – safety by EN 13782, • Fairground and amusement park machinery and structures as per EN 13814 series, • Temporary works equipment covered by CEN/TC 53, • Inflatable play equipment-safety requirements and test methods as per EN 14960, • Entertainment Technology as described by CEN TC 433. NOTE This document is not applicable to event structures which are designed, manufactured, placed on the market or put in service before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: EN 17879:2023

EVS-EN 17902:2023

Furniture - Circularity - Evaluation method for dis/re-assembly capability

This document provides guidelines for one aspect of circular economy framework; disassembly and reassembly capability. This document establishes a set of criteria on which to base an assessment of the ability to access and remove/replace/reassemble priority parts of products. The criteria provided are intended to be used when designing a product and are applicable to different designs, materials, or construction methods. This document does not include requirements. The document does not apply to disassembly operation for the sole purpose of separating the individual materials. This document does not provide a method to evaluate the overall degree of circularity of furniture products. For this, additional complementary evaluation methods for other aspects are necessary.

Keel: en
Alusdokumendid: EN 17902:2023

EVS-EN 203-1:2021+A1:2023

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+A1:2023
Asendab dokumenti: EVS-EN 203-1:2021

EVS-EN 203-2-1:2021+A1:2023

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+A1:2023
Asendab dokumenti: EVS-EN 203-2-1:2021

EVS-EN 203-2-2:2021+A1:2023

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+A1:2023
Asendab dokumenti: EVS-EN 203-2-2:2021

EVS-EN 203-2-4:2021+A1:2023

Gaaskuumutusega toitlustusseadmed. 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+A1:2023
Asendab dokumenti: EVS-EN 203-2-4:2021

EVS-EN 30-1-1:2021+A1:2023

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 II2E+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+A1:2023
Asendab dokumenti: EVS-EN 30-1-1:2021

EVS-EN IEC 60335-1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

This European Standard deals with the safety of electrical appliances for household environment and commercial purposes, their rated voltage being not more than 250 V for single-phase and 480 V for others.

Keel: en
Alusdokumendid: IEC 60335-1:2020; IEC 60335-1:2020/COR1:2021; EN IEC 60335-1:2023
Asendab dokumenti: EVS-EN 60335-1:2012
Asendab dokumenti: EVS-EN 60335-1:2012/A1:2019
Asendab dokumenti: EVS-EN 60335-1:2012/A11:2014
Asendab dokumenti: EVS-EN 60335-1:2012/A13:2017

Asendab dokumenti: EVS-EN 60335-1:2012/A14:2019
Asendab dokumenti: EVS-EN 60335-1:2012/A15:2021
Asendab dokumenti: EVS-EN 60335-1:2012/A16:2023
Asendab dokumenti: EVS-EN 60335-1:2012/A2:2019
Asendab dokumenti: EVS-EN 60335-1:2012/AC:2014
Asendab dokumenti: EVS-EN 60335-1:2012+A11:2014
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13:2017
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Asendab dokumenti: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

EVS-EN IEC 60335-1:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

This European Standard deals with the safety of electrical appliances for household environment and commercial purposes, their rated voltage being not more than 250 V for single-phase and 480 V for others.

Keel: en
Alusdokumendid: EN IEC 60335-1:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-1:2023

EVS-EN IEC 60335-2-14:2023+A1+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-14: Erinõuded köögimasinatele
Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2016 + IEC 60335-2-14:2016/A1:2019)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric kitchen machines for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of appliances that are within the scope of this standard are – bean slicers; – berry-juice extractors; – blenders; – can openers; – centrifugal juicers; – churns; – citrus-fruit squeezers; – coffee mills not exceeding 500 g hopper capacity; – cream whippers; – egg beaters; – food mixers; – food processors; – grain grinders not exceeding 3 l hopper capacity; – graters; – ice-cream machines, including those for use in refrigerators and freezers; – knife sharpeners; – knives; – mincers; – noodle makers; – potato peelers; – shredders; – sieving machines; – slicing machines. Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally to process food for commercial consumption, the appliance is not considered to be for household and similar use only. NOTE 102 Use of a kitchen machine in bed and breakfast premises, for example, is considered to be household use. As far as is practicable, this document deals with the common hazards presented by appliances that are encountered by all persons in household and similar environments. However, in general, it does not take into account children playing with appliances and their use by very young children. It does not take into account the use of the following appliances by young children and by older children: — bean slicers; — berry-juice extractors; — blenders and hand-held blenders; — centrifugal juicers; — coffee mills not exceeding 500 g hopper capacity; — churns; — food mixers; — food processors; — grain grinders not exceeding 3 l hopper capacity; — knife sharpeners; — knives; — mincers; — noodle makers; — potato peelers; — shredders; — sieving machines; — slicing machines. It furthermore does not take into account the use of the following appliances by young children without supervision: — can openers; — citrus-fruit squeezers; — cream whippers; — egg beaters; — graters; — ice-cream machines, including those for use in refrigerators and freezers. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. NOTE 103 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 104 This standard does not apply to – slicing machines having a circular knife the blade of which is inclined at an angle exceeding 45° to the vertical; – food waste disposers (IEC 60335-2-16); – ice-cream appliances with incorporated motor compressors (IEC 60335-2-24); – kitchen machines intended for commercial purposes (IEC 60335-2-64); – kitchen machines intended for industrial purposes; – kitchen machines intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

Keel: en
Alusdokumendid: EN IEC 60335-2-14:2023; IEC 60335-2-14:2016; EN IEC 60335-2-14:2023/A1:2023; IEC 60335-2-14:2016/AMD1:2019; EN IEC 60335-2-14:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-14:2023/A11:2023

EVS-EN IEC 60335-2-60:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Endorsement of the text of the International Standard IEC 60335-2-60:2017 with the related agreed European Common Modifications.

Keel: en
Alusdokumendid: EN IEC 60335-2-60:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-60:2023

EVS-EN IEC 60335-2-81:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

This European Standard deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: EN IEC 60335-2-81:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN ISO 23953-2:2023

Külmletid. Osa 2: Klassifikatsioon, nõuded ja katsetingimused
Refrigerated display cabinets - Part 2: Classification, requirements and test conditions (ISO 23953-2:2023)

This document specifies requirements for the performance of refrigerated display cabinets used in the sale and display of foodstuffs and construction characteristics impacting performance. 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. This document 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. This document does not cover health and safety aspects and ergonomic principles. This document is not intended to specify storage temperature for foodstuff.

Keel: en
Alusdokumendid: ISO 23953-2:2023; EN ISO 23953-2:2023
Asendab dokumenti: EVS-EN ISO 23953-2:2015

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

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

CEN/TR 16862:2015
Plastics welding supervisor - Task, responsibilities, knowledge, skills and competence

Keel: en
Alusdokumendid: CEN/TR 16862:2015
Asendatud järgmise dokumendiga: CEN/TR 16862:2023
Standardi staatus: Kehtetu

EVS-EN 14534:2016
Postiteenused. Teenuse kvaliteet. Partiikirjade punktist punkti toimetamise aegade mõõtmine
Postal services - Quality of service - Measurement of the transit time of end-to-end services for bulk mail

Keel: en
Alusdokumendid: EN 14534:2016; EN 14534:2016/AC:2017
Asendatud järgmise dokumendiga: EVS-EN 14534:2023
Parandatud järgmise dokumendiga: EVS-EN 14534:2016/AC:2017
Standardi staatus: Kehtetu

EVS-EN 14534:2016/AC:2017
Postiteenused. Teenuse kvaliteet. Partiikirjade punktist punkti toimetamise aegade mõõtmine
Postal services - Quality of service - Measurement of the transit time of end-to-end services for bulk mail

Keel: en
Alusdokumendid: EN 14534:2016/AC:2017
Asendatud järgmise dokumendiga: EVS-EN 14534:2023
Standardi staatus: Kehtetu

EVS-EN 62506:2013
Methods for product accelerated testing

Keel: en
Alusdokumendid: IEC 62506:2013; EN 62506:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62506:2023
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 1789:2020
Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Kiirabiautod
Medical vehicles and their equipment - Road ambulances

Keel: en
Alusdokumendid: EN 1789:2020
Asendatud järgmise dokumendiga: EVS-EN 1789:2020+A1:2023
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 12941:1999
Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisvahendid, millel on kiiver või kapuuts. Nõuded, katsetamine, märgistus
Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12941:1998
Asendatud järgmise dokumendiga: EVS-EN 12941:2023
Muudetud järgmise dokumendiga: EVS-EN 12941:1999/A1:2004
Muudetud järgmise dokumendiga: EVS-EN 12941:1999/A2:2008
Standardi staatus: Kehtetu

EVS-EN 12941:1999/A1:2004

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisvahendid, millel on kiiver või kapuuts. Nõuded, katsetamine, märgistus
Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12941:1998/A1:2003
Asendatud järgmise dokumendiga: EVS-EN 12941:2023
Standardi staatus: Kehtetu

EVS-EN 12941:1999/A2:2008

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisvahendid, millel on kiiver või kapuuts. Nõuded, katsetamine, märgistus
Respiratory protective devices - Powered filtering devices incorporating a helmet or a hood - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12941:1998/A2:2008
Asendatud järgmise dokumendiga: EVS-EN 12941:2023
Standardi staatus: Kehtetu

EVS-EN 12942:1999

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisseadised, millel on täismaskid, poolmaskid või veerandmaskid. Nõuded, katsetamine, märgistus
Respiratory protective devices - Power assisted filtering devices incorporating full face masks, half masks or quarter masks - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12942:1998
Asendatud järgmise dokumendiga: EVS-EN 12942:2023
Muudetud järgmise dokumendiga: EVS-EN 12942:1999/A1:2003
Muudetud järgmise dokumendiga: EVS-EN 12942:1999/A2:2008
Standardi staatus: Kehtetu

EVS-EN 12942:1999/A1:2003

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisseadised, millel on täismaskid, poolmaskid või veerandmaskid. Nõuded, katsetamine, märgistus
Respiratory protective devices - Power assisted filtering devices incorporating full face masks, half masks or quarter masks - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12942:1998/A1:2002
Asendatud järgmise dokumendiga: EVS-EN 12942:2023
Standardi staatus: Kehtetu

EVS-EN 12942:1999/A2:2008

Hingamisteede kaitsevahendid. Sundventilatsiooniga filtreerimisseadised, millel on täismaskid, poolmaskid või veerandmaskid. Nõuded, katsetamine, märgistus
Respiratory protective devices - Power assisted filtering devices incorporating full face masks, half masks or quarter masks - Requirements, testing, marking

Keel: en
Alusdokumendid: EN 12942:1998/A2:2008
Asendatud järgmise dokumendiga: EVS-EN 12942:2023
Standardi staatus: Kehtetu

EVS-EN 14025:2018

Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

Keel: en
Alusdokumendid: EN 14025:2018
Asendatud järgmise dokumendiga: EVS-EN 14025:2023
Parandatud järgmise dokumendiga: EVS-EN 14025:2018/AC:2020
Standardi staatus: Kehtetu

EVS-EN 14025:2018/AC:2020

Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

Keel: en
Alusdokumendid: EN 14025:2018/AC:2020
Asendatud järgmise dokumendiga: EVS-EN 14025:2023
Standardi staatus: Kehtetu

EVS-EN 14662-1:2005

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

Keel: en, et
Alusdokumendid: EN 14662-1:2005
Asendatud järgmise dokumendiga: EVS-EN 14662-1:2023
Standardi staatus: Kehtetu

EVS-EN 14944-3:2007

Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementititous products

Keel: en
Alusdokumendid: EN 14944-3:2007
Asendatud järgmise dokumendiga: EVS-EN 14944-3:2023
Standardi staatus: Kehtetu

EVS-EN 15267-3:2008

Air quality - Certification of automated measuring systems - Part 3: Performance specifications and test procedures for automated measuring systems for monitoring emissions from stationary sources

Keel: en
Alusdokumendid: EN 15267-3:2007
Asendatud järgmise dokumendiga: EVS-EN 15267-3:2023
Standardi staatus: Kehtetu

EVS-EN 15267-4:2017

Air quality - Certification of automated measuring systems - Part 4: Performance criteria and test procedures for automated measuring systems for periodic measurements of emissions from stationary sources

Keel: en
Alusdokumendid: EN 15267-4:2017
Asendatud järgmise dokumendiga: EVS-EN 15267-4:2023
Standardi staatus: Kehtetu

EVS-EN 360:2002

Kukkumisvastased isikukaitsevahendid. Sissetõmbavad kukkumist pidurdavad vahendid
Personal protective equipment against falls from a height - Retractable type fall arresters

Keel: en, et
Alusdokumendid: EN 360:2002
Asendatud järgmise dokumendiga: EVS-EN 360:2023
Asendatud järgmise dokumendiga: prEN 360 arhiiv
Standardi staatus: Kehtetu

EVS-EN 50365:2003

Elektriisolatsiooniga kiivrid kasutamiseks madalpingepaigaldistel
Electrically insulating helmets for use on low voltage installations

Keel: en
Alusdokumendid: EN 50365:2002
Asendatud järgmise dokumendiga: EVS-EN 50365:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A11:2014
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A12:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A13:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Osaliselt asendatud järgmise dokumendiga: EVS-EN 62841-1:2015
Parandatud järgmise dokumendiga: EVS-EN 60335-1:2012/AC:2014
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A1:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010/A1:2013, modified + COR1:2014)

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A1:2019; IEC 60335-1:2010/AMD1:2013/COR1:2014; IEC 60335-1:2010/AMD1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN 62841-1:2015
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A11:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en
Alusdokumendid: EN 60335-1:2012/A11:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A13:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A13
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13:2017
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A14:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A14:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A15:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A15:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A16:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A16:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1:General requirements (IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/AC:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety -- Part 1: General requirements

Keel: en
Alusdokumendid: EN 60335-1:2012/AC:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012; IEC 60335-1:2010; EN 60335-1:2012/A11:2014; EN 60335-1:2012/AC:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A12
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012; IEC 60335-1:2010; EN 60335-1:2012/A11:2014; EN 60335-1:2012/AC:2014; EN 60335-1:2012/A13:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023

Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A15:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A15:2021; EN 60335-1:2012/A16:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths

Keel: en
Alusdokumendid: IEC 60335-2-60:2002; EN 60335-2-60:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-60:2003/A1:2005
Muudetud järgmise dokumendiga: EVS-EN 60335-2-60:2003/A11:2010
Muudetud järgmise dokumendiga: EVS-EN 60335-2-60:2003/A12:2010
Muudetud järgmise dokumendiga: EVS-EN 60335-2-60:2003/A2:2008
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A1:2005

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en

Alusdokumendid: IEC 60335-2-60:2002/A1:2004; EN 60335-2-60:2003/A1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A11:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: EN 60335-2-60:2003/A11:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A12:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: EN 60335-2-60:2003/A12:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A2:2008

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja –basseinidele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: IEC 60335-2-60:2002/A2:2008; EN 60335-2-60:2003/A2:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN ISO 12311:2013

Isikukaitsevahendid. Päikese- ja kaitseprillide katsemeetodid
Personal protective equipment - Test methods for sunglasses and related eyewear (ISO 12311:2013)

Keel: en
Alusdokumendid: ISO 12311:2013; EN ISO 12311:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 12311:2023
Standardi staatus: Kehtetu

EVS-ISO 10849:2006

Paiksete saasteallikate heited. Lämmastikoksiidide massikontsentratsiooni määramine. Automaatmõõteseadmete suutlikkusnäitajad
Stationary source emissions - Determination of the mass concentration of nitrogen oxides - Performance characteristics of automated measuring systems

Keel: en, et
Alusdokumendid: ISO 10849:1996
Asendatud järgmise dokumendiga: EVS-ISO 10849:2023
Standardi staatus: Kehtetu

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 62506:2013

Methods for product accelerated testing

Keel: en
Alusdokumendid: IEC 62506:2013; EN 62506:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62506:2023
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 1106:2022
Gaasiseadmete käsijuhitavad kraanid
Manually operated taps for gas burning appliances

Keel: en
Alusdokumendid: EN 1106:2022
Asendatud järgmise dokumendiga: EVS-EN 1106:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 14025:2018
Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

Keel: en
Alusdokumendid: EN 14025:2018
Asendatud järgmise dokumendiga: EVS-EN 14025:2023
Parandatud järgmise dokumendiga: EVS-EN 14025:2018/AC:2020
Standardi staatus: Kehtetu

EVS-EN 14025:2018/AC:2020
Tanks for the transport of dangerous goods - Metallic pressure tanks - Design and construction

Keel: en
Alusdokumendid: EN 14025:2018/AC:2020
Asendatud järgmise dokumendiga: EVS-EN 14025:2023
Standardi staatus: Kehtetu

EVS-EN 1854:2022
Gaasi- ja/või vedelkütuste põletite ja seadmete ohutus- ja juhtseadmed. Gaasipõletite ja gaasiseadmete rõhu sensorseadised
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - Pressure sensing devices for gas burners and gas burning appliances

Keel: en
Alusdokumendid: EN 1854:2022
Asendatud järgmise dokumendiga: EVS-EN 1854:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 253:2019
District heating pipes - Bonded single pipe systems for directly buried hot water networks - Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and a casing of polyethylene

Keel: en
Alusdokumendid: EN 253:2019
Asendatud järgmise dokumendiga: EVS-EN 253:2019+A1:2023
Standardi staatus: Kehtetu

EVS-EN 751-3:2022
Tihendusmaterjalid metallist keermesühendustele kontaktis 1., 2. ja 3. perekonna gaasidega ja kuuma veega. Osa 3: Kuumutamata PTFE teibid ja nöörid
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water - Part 3: Unsintered PTFE tapes and PTFE strings

Keel: en
Alusdokumendid: EN 751-3:2022
Asendatud järgmise dokumendiga: EVS-EN 751-3:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 88-1:2022
Gaasipõletite ja gaasiseadmete ohutus- ja juhtseadmed. Osa 1: Rõhuregulaatorid sisendrõhule kuni 50 kPa (k.a)
Safety and control devices for gas burners and gas burning appliances - Part 1: Pressure regulators for inlet pressures up to and including 50 kPa

Keel: en
Alusdokumendid: EN 88-1:2022

Asendatud järgmise dokumendiga: EVS-EN 88-1:2022+A1:2023
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

CEN/TR 16862:2015
Plastics welding supervisor - Task, responsibilities, knowledge, skills and competence

Keel: en
Alusdokumendid: CEN/TR 16862:2015
Asendatud järgmise dokumendiga: CEN/TR 16862:2023
Standardi staatus: Kehtetu

EVS-EN 62453-302:2017
Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2

Keel: en
Alusdokumendid: IEC 62453-302:2016; EN 62453-302:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62453-302:2023
Standardi staatus: Kehtetu

EVS-EN 746-2:2010
Tööstuslikud termotöötlusseadmed. Osa 2: Põlemis- ja kütusekasutussüsteemide ohutusnõuded
Industrial thermoprocessing equipment - Safety requirements for combustion and fuel handling systems

Keel: en
Alusdokumendid: EN 746-2:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 13577-2:2023
Asendatud järgmise dokumendiga: prEN 746-2
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 15502-1:2021
Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2021
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021+A1:2023
Parandatud järgmise dokumendiga: EVS-EN 15502-1:2021/AC:2022
Standardi staatus: Kehtetu

EVS-EN 15502-1:2021/AC:2022
Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2021/AC:2022
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 15502-2-1:2022
Gaasküttega keskküttekatlad. Osa 2-1: Erinõuded C tüüpi kateldele ja B2, B3 ning B5 tüüpi kateldele nimisoojuskoormusega mitte üle 1 000 kW
Gas-fired central heating boilers - Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW

Keel: en
Alusdokumendid: EN 15502-2-1:2022
Asendatud järgmise dokumendiga: EVS-EN 15502-2-1:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 16898:2022

Gaasipõletite ja gaasiseadmete ohutus- ja juhtseadmed. Gaasifiltrid maksimaalse töörõhuga kuni 600 kPa (k.a)
Safety and control devices for gas burners and gas burning appliances - Gas filters having a maximum working pressure up to and including 600 kPa

Keel: en
Alusdokumendid: EN 16898:2022
Asendatud järgmise dokumendiga: EVS-EN 16898:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 257:2022

Gaasiseadmete mehaanilised termostaadid
Mechanical thermostats for gas-burning appliances

Keel: en
Alusdokumendid: EN 257:2022
Asendatud järgmise dokumendiga: EVS-EN 257:2022+A1:2023
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60893-2:2004

Industrial rigid laminated sheets based on thermosetting resins for electrical purposes - Part 2: Methods of test

Keel: en
Alusdokumendid: IEC 60893-2:2003; EN 60893-2:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60893-2:2023
Standardi staatus: Kehtetu

EVS-EN 62271-207:2012

High-voltage switchgear and controlgear - Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV

Keel: en
Alusdokumendid: IEC 62271-207:2012; EN 62271-207:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-207:2023
Standardi staatus: Kehtetu

EVS-EN 62772:2016

Composite Hollow Core Station Post Insulators for substations with a.c. voltage greater than 1000 V and d.c. voltage greater than 1500V- Definitions, test methods and acceptance criteria

Keel: en
Alusdokumendid: IEC 62772:2016; EN 62772:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 62772:2023
Standardi staatus: Kehtetu

33 SIDETEHNIKA

CEN/TR 17167:2018

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Keel: en
Alusdokumendid: CEN/TR 17167:2018
Asendatud järgmise dokumendiga: CEN/TR 17167:2023
Standardi staatus: Kehtetu

EVS-EN 13757-2:2018

Communication systems for meters - Part 2: Wired M-Bus communication

Keel: en
Alusdokumendid: EN 13757-2:2018
Asendatud järgmise dokumendiga: EVS-EN 13757-2:2018+A1:2023
Standardi staatus: Kehtetu

EVS-EN 61753-081-2:2014

Fibre optic interconnecting devices and passive components - Performance standard - Part 081-2: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C - Controlled environments

Keel: en
Alusdokumendid: IEC 61753-081-2:2014; EN 61753-081-2:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61753-081-02:2023
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN/TR 17167:2018

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Keel: en
Alusdokumendid: CEN/TR 17167:2018
Asendatud järgmise dokumendiga: CEN/TR 17167:2023
Standardi staatus: Kehtetu

EVS-EN 13757-2:2018

Communication systems for meters - Part 2: Wired M-Bus communication

Keel: en
Alusdokumendid: EN 13757-2:2018
Asendatud järgmise dokumendiga: EVS-EN 13757-2:2018+A1:2023
Standardi staatus: Kehtetu

EVS-EN 62453-302:2017

Field device tool (FDT) interface specification - Part 302: Communication profile integration - IEC 61784 CPF 2

Keel: en
Alusdokumendid: IEC 62453-302:2016; EN 62453-302:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62453-302:2023
Standardi staatus: Kehtetu

EVS-EN ISO 18104:2014

Health informatics - Categorial structures for representation of nursing diagnoses and nursing actions in terminological systems (ISO 18104:2014)

Keel: en
Alusdokumendid: ISO 18104:2014; EN ISO 18104:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 18104:2023
Standardi staatus: Kehtetu

37 VISUAALTEHNIKA

EVS-EN 1010-1:2005+A1:2010

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 1: Üldised nõuded
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 1: Common requirements

Keel: en
Alusdokumendid: EN 1010-1:2004+A1:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-1:2023
Standardi staatus: Kehtetu

EVS-EN 1010-2:2006+A1:2010

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 2: Printing and varnishing machines including pre-press machinery CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1010-2:2006+A1:2010

Asendatud järgmise dokumendiga: EVS-EN ISO 12643-2:2023
Standardi staatus: Kehtetu

EVS-EN 1010-3:2002+A1:2009

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 3: Lõikemasinad KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1010-3:2002+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-3:2023
Standardi staatus: Kehtetu

EVS-EN 1010-4:2004+A1:2009

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 4: Raamatute köitmise, paberi ümbertöötlemise ja viimistlusseadmed KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 4: Bookbinding, paper converting and finishing machines CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1010-4:2004+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-3:2023
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-4:2023
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 1789:2020

Meditsiinis kasutatavad liiklusvahendid ja nende varustus. Kiirabiautod
Medical vehicles and their equipment - Road ambulances

Keel: en
Alusdokumendid: EN 1789:2020
Asendatud järgmise dokumendiga: EVS-EN 1789:2020+A1:2023
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 13979-1:2020

Raudteealased rakendused. Rattapaarid ja pöördvankrid. Monoplokkrattad. Tehnilise heakskiidu protseduur. Osa 1: Sepistatud ja valtsitud rattad
Railway applications - Wheelsets and bogies - Monobloc Wheels - Technical approval procedure - Part 1: Forged and rolled wheels

Keel: en
Alusdokumendid: EN 13979-1:2020
Asendatud järgmise dokumendiga: EVS-EN 13979-1:2023
Standardi staatus: Kehtetu

EVS-EN 15152:2019

Raudteealased rakendused. Raudteeveeremi tuuleklaasid
Railway applications - Windscreens for trains

Keel: en
Alusdokumendid: EN 15152:2019
Asendatud järgmise dokumendiga: EVS-EN 15152:2019+A1:2023
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 16604-10:2019

Space sustainability - Space debris mitigation requirements (ISO 24113:2011, modified)

Keel: en
Alusdokumendid: ISO 24113:2011; EN 16604-10:2019
Asendatud järgmise dokumendiga: EVS-EN 16604-10:2023

Standardi staatus: Kehtetu

EVS-EN 2267-011:2015

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 011: DZA family, single and multicore assembly for use in low pressure atmosphere - Product standard

Keel: en
Alusdokumendid: EN 2267-011:2015
Asendatud järgmise dokumendiga: EVS-EN 2267-011:2023
Standardi staatus: Kehtetu

EVS-EN 2267-012:2015

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 012: DZ family, single UV laser printable for use in low pressure atmosphere - Product standard

Keel: en
Alusdokumendid: EN 2267-012:2015
Asendatud järgmise dokumendiga: EVS-EN 2267-012:2023
Standardi staatus: Kehtetu

EVS-EN 2516:2020

Aerospace series - Passivation of corrosion resisting steels and decontamination of nickel base alloys

Keel: en
Alusdokumendid: EN 2516:2020
Asendatud järgmise dokumendiga: EVS-EN 2516:2023
Standardi staatus: Kehtetu

EVS-EN 3311:2009

Aerospace series - Titanium alloy TI-P64001 (Ti-6Al-4V) - Annealed - Bar for machining - D < 110 mm

Keel: en
Alusdokumendid: EN 3311:2009
Asendatud järgmise dokumendiga: EVS-EN 3311:2023
Standardi staatus: Kehtetu

EVS-EN 3524:2007

Aerospace series - Steel FE-PL1505 (15CrMoV6) - Air melted - Hardened and tempered - Sheet and strip - 2 mm ≤= a ≤ 6 mm - 1 080 MPa ≤ Rm ≤ 1 280 Mpa

Keel: en
Alusdokumendid: EN 3524:2007
Asendatud järgmise dokumendiga: EVS-EN 3524:2023
Standardi staatus: Kehtetu

EVS-EN 3525:2007

Aerospace series - Steel FE-PL1505 (15CrMoV6) - Air melted - Hardened and tempered - Plate - 6 mm < a ≤ 20 mm - 1 080 MPa ≤ Rm ≤ 1 280 Mpa

Keel: en
Alusdokumendid: EN 3525:2007
Asendatud järgmise dokumendiga: EVS-EN 3525:2023
Standardi staatus: Kehtetu

EVS-EN 3526:2007

Aerospace series - Steel FE-PL1505 (15CrMoV6) - Air melted - Hardened and tempered - Sheet and strip - 0,5 mm = a = 6 mm - 980 MPa = Rm = 1 180 Mpa

Keel: en
Alusdokumendid: EN 3526:2007
Asendatud järgmise dokumendiga: EVS-EN 3526:2023
Standardi staatus: Kehtetu

EVS-EN 4113:2009

Aerospace series - Clamps, loop ("P" type) in corrosion resisting steel, passivated with rubber cushioning - Dimensions, masses

Keel: en
Alusdokumendid: EN 4113:2009
Asendatud järgmise dokumendiga: EVS-EN 4113:2023
Standardi staatus: Kehtetu

EVS-EN 4114:2009

Aerospace series - Clamps, loop ("P" type) in aluminium alloy with rubber cushioning - Dimensions, masses

Keel: en
Alusdokumendid: EN 4114:2009
Asendatud järgmise dokumendiga: EVS-EN 4114:2023
Standardi staatus: Kehtetu

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 16307-5:2013

Tööstusveokid. Ohutusnõuded ja verifitseerimine. Osa 5: Täiendavad nõuded jalgsi juhitavatele tööstusveokitele
Industrial trucks - Safety requirements and verification - Part 5: Supplementary requirements for pedestrian-propelled trucks

Keel: en
Alusdokumendid: EN 16307-5:2013
Asendatud järgmise dokumendiga: EVS-EN 16307-5:2023
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN 15705:2010

Väetised. Karbamiidikondensaatide määramine kõrgefektiivse vedelikkromatograafiaga (HPLC). Isobutüülideen-karbamiid (meetod A) ja metüleen-karbamiidi oligomeerid (meetod B)
Fertilizers - Determination of urea condensates using high-performance liquid chromatography (HPLC) -Isobutylidenediurea and crotonylidenediurea (method A) andmethylen-urea oligomers (method B)

Keel: en
Alusdokumendid: EN 15705:2010
Asendatud järgmise dokumendiga: EVS-EN 15705:2023
Asendatud järgmise dokumendiga: EVS-EN 17864:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-86:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektriliste kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

Keel: en
Alusdokumendid: IEC 60335-2-86:2002; EN 60335-2-86:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-86:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-86:2003/A1:2005
Muudetud järgmise dokumendiga: EVS-EN 60335-2-86:2003/A11:2016
Muudetud järgmise dokumendiga: EVS-EN 60335-2-86:2003/A12:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-2-86:2003/A2:2016
Standardi staatus: Kehtetu

EVS-EN 60335-2-86:2003/A1:2005

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektriliste kalapüügimasinatele
Household and similar electrical appliances – Safety - Part 2-86: Particular requirements for electric fishing machines

Keel: en
Alusdokumendid: IEC 60335-2-86:2002/A1:2005; EN 60335-2-86:2003/A1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-86:2023

Standardi staatus: Kehtetu

EVS-EN 60335-2-86:2003/A11:2016

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektriliste kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

Keel: en
Alusdokumendid: EN 60335-2-86:2003/A11:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-86:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-86:2003/A12:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektriliste kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

Keel: en
Alusdokumendid: EN 60335-2-86:2003/A12:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-86:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-86:2003/A2:2016

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-86: Erinõuded elektriliste kalapüügimasinatele
Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines

Keel: en
Alusdokumendid: IEC 60335-2-86:2002/A2:2012; EN 60335-2-86:2003/A2:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-86:2023
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 14944-3:2007

Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementititous products

Keel: en
Alusdokumendid: EN 14944-3:2007
Asendatud järgmise dokumendiga: EVS-EN 14944-3:2023
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

CEN/TS 16346:2012

Bituminous binders - Determination of breaking behaviour and immediate adhesivity of cationic bituminous emulsions with 2/4 mm aggregate

Keel: en
Alusdokumendid: CEN/TS 16346:2012
Asendatud järgmise dokumendiga: EVS-EN 16346:2023
Standardi staatus: Kehtetu

EVS-EN ISO 16486-1:2020

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General (ISO 16486-1:2020)

Keel: en
Alusdokumendid: ISO 16486-1:2020; EN ISO 16486-1:2020
Asendatud järgmise dokumendiga: EVS-EN ISO 16486-1:2023
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 10088-1:2014
Stainless steels - Part 1: List of stainless steels

Keel: en
Alusdokumendid: EN 10088-1:2014
Asendatud järgmise dokumendiga: EVS-EN 10088-1:2023
Standardi staatus: Kehtetu

EVS-EN 10264-3:2012
Steel wire and wire products - Steel wire for ropes - Part 3: Round and shaped non alloyed steel wire for high duty applications

Keel: en
Alusdokumendid: EN 10264-3:2012
Asendatud järgmise dokumendiga: EVS-EN 10264-3:2023
Standardi staatus: Kehtetu

EVS-EN 10278:2000
Dimensions and tolerances of bright steel products

Keel: en
Alusdokumendid: EN 10278:1999
Asendatud järgmise dokumendiga: EVS-EN 10278:2023
Standardi staatus: Kehtetu

EVS-EN 1561:2011
Metallivalu. Hallmalmid
Founding - Grey cast irons

Keel: en
Alusdokumendid: EN 1561:2011
Asendatud järgmise dokumendiga: EVS-EN 1561:2023
Standardi staatus: Kehtetu

EVS-EN 16079:2011
Metallivalu. Vermikulaarmalm
Founding - Compacted (vermicular) graphite cast irons

Keel: en
Alusdokumendid: EN 16079:2011
Asendatud järgmise dokumendiga: EVS-EN 16079:2023
Standardi staatus: Kehtetu

EVS-EN 573-3:2019+A1:2022
Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition and form of products

Keel: en
Alusdokumendid: EN 573-3:2019+A1:2022
Asendatud järgmise dokumendiga: EVS-EN 573-3:2019+A2:2023
Standardi staatus: Kehtetu

EVS-EN ISO 6508-1:2016
Metallic materials - Rockwell hardness test - Part 1: Test method (ISO 6508-1:2016)

Keel: en
Alusdokumendid: ISO 6508-1:2016; EN ISO 6508-1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 6508-1:2023
Standardi staatus: Kehtetu

EVS-EN ISO 6508-2:2015
Metallic materials - Rockwell hardness test - Part 2: Verification and calibration of testing machines and indenters (ISO 6508-2:2015)

Keel: en
Alusdokumendid: ISO 6508-2:2015; EN ISO 6508-2:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 6508-2:2023
Standardi staatus: Kehtetu

EVS-EN ISO 6508-3:2015
Metallic materials - Rockwell hardness test - Part 3: Calibration of reference blocks (ISO 6508-3:2015)

Keel: en
Alusdokumendid: ISO 6508-3:2015; EN ISO 6508-3:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 6508-3:2023
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 16486-1:2020
Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 1: General (ISO 16486-1:2020)

Keel: en
Alusdokumendid: ISO 16486-1:2020; EN ISO 16486-1:2020
Asendatud järgmise dokumendiga: EVS-EN ISO 16486-1:2023
Standardi staatus: Kehtetu

EVS-EN ISO 182-3:2001
Plastics - Determination of the tendency of compounds and products based on vinyl chloride homopolymers and copopolymers to evolve hydrogen chloride and any other acidic products at elevated temperatures - Part 3: Conductometric method

Keel: en
Alusdokumendid: ISO 182-3:1993; EN ISO 182-3:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 182-3:2023
Standardi staatus: Kehtetu

EVS-EN ISO 20753:2018
Plastics - Test specimens (ISO 20753:2018)

Keel: en
Alusdokumendid: ISO 20753:2018; EN ISO 20753:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 20753:2023
Standardi staatus: Kehtetu

EVS-EN ISO 8256:2004
Plastid. Tõmbe-löögitugevuse määramine
Plastics - Determination of tensile-impact strength

Keel: en
Alusdokumendid: ISO 8256:2004; EN ISO 8256:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 8256:2023
Standardi staatus: Kehtetu

85 PABERITEHNOLOOGIA

EVS-EN 1010-1:2005+A1:2010
Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 1: Üldised nõuded
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 1: Common requirements

Keel: en
Alusdokumendid: EN 1010-1:2004+A1:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-1:2023
Standardi staatus: Kehtetu

EVS-EN 1010-2:2006+A1:2010
Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 2: Trüki- ja lakkimismasinad, kaasa arvatud trükieelsed pressimisseadmed KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 2: Printing and varnishing machines including pre-press machinery CONSOLIDATED TEXT

Keel: en

Alusdokumendid: EN 1010-2:2006+A1:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-2:2023
Standardi staatus: Kehtetu

EVS-EN 1010-3:2002+A1:2009

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 3: Lõikemasinad KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 3: Cutting machines CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1010-3:2002+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-3:2023
Standardi staatus: Kehtetu

EVS-EN 1010-4:2004+A1:2009

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 4: Raamatute köitmise, paberi ümbertöötlemise ja viimistlusseadmed KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 4: Bookbinding, paper converting and finishing machines CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1010-4:2004+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-3:2023
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-4:2023
Standardi staatus: Kehtetu

EVS-EN 1010-5:2005

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 5: Masinad lainepapi tootmiseks ja masinad lehtpaberi ja lainepapi muunduseks
Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines - Part 5: Machines for the production of corrugated board and machines for the conversion of flat and corrugated board

Keel: en
Alusdokumendid: EN 1010-5:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-4:2023
Asendatud järgmise dokumendiga: EVS-EN ISO 12643-5:2023
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

CEN/TR 17167:2018

Communication system for meters - Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Keel: en
Alusdokumendid: CEN/TR 17167:2018
Asendatud järgmise dokumendiga: CEN/TR 17167:2023
Standardi staatus: Kehtetu

CEN/TS 16346:2012

Bituminous binders - Determination of breaking behaviour and immediate adhesivity of cationic bituminous emulsions with 2/4 mm aggregate

Keel: en
Alusdokumendid: CEN/TS 16346:2012
Asendatud järgmise dokumendiga: EVS-EN 16346:2023
Standardi staatus: Kehtetu

EVS 920-5:2015

Katuseehitusreeglid. Osa 5: Lamekatused
Requirements for roof building. Part 5: Flat roofs

Keel: et
Alusdokumendid: RIL-107:2012; Tarindi RYL 2010; EVS 920-5:2015/AC:2015
Asendatud järgmise dokumendiga: EVS 920-5:2023

Parandatud järgmise dokumendiga: EVS 920-5:2015/AC:2015
Standardi staatus: Kehtetu

EVS 920-5:2015/AC:2015

Katuseehitusreeglid. Osa 5: Lamekatused
Requirements for roof building. Part 5: Flat roofs

Keel: et
Asendatud järgmise dokumendiga: EVS 920-5:2023
Standardi staatus: Kehtetu

EVS-EN 1097-1:2011

Täitematerjalide mehaaniliste ja füüsikaliste omaduste katsetamine. Osa 1: Kulumiskindluse määramine (mikro-Deval)
Tests for mechanical and physical properties of aggregates - Main element - Part 1: Determination of the resistance to wear (micro-Deval)

Keel: en, et
Alusdokumendid: EN 1097-1:2011
Asendatud järgmise dokumendiga: EVS-EN 1097-1:2023
Standardi staatus: Kehtetu

EVS-EN 13757-2:2018

Communication systems for meters - Part 2: Wired M-Bus communication

Keel: en
Alusdokumendid: EN 13757-2:2018
Asendatud järgmise dokumendiga: EVS-EN 13757-2:2018+A1:2023
Standardi staatus: Kehtetu

EVS-EN 14944-3:2007

Influence of cementitious products on water intended for human consumption - Test methods - Part 3: Migration of substances from factory-made cementititous products

Keel: en
Alusdokumendid: EN 14944-3:2007
Asendatud järgmise dokumendiga: EVS-EN 14944-3:2023
Standardi staatus: Kehtetu

EVS-EN 15502-1:2021

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2021
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021+A1:2023
Parandatud järgmise dokumendiga: EVS-EN 15502-1:2021/AC:2022
Standardi staatus: Kehtetu

EVS-EN 15502-1:2021/AC:2022

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2021/AC:2022
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 15502-2-1:2022

Gaasküttega keskküttekatlad. Osa 2-1: Erinõuded C tüüpi kateldele ja B2, B3 ning B5 tüüpi kateldele nimisoojuskoormusega mitte üle 1 000 kW
Gas-fired central heating boilers - Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW

Keel: en
Alusdokumendid: EN 15502-2-1:2022
Asendatud järgmise dokumendiga: EVS-EN 15502-2-1:2022+A1:2023
Standardi staatus: Kehtetu

EVS-EN 16005:2012
Masinkasutusega uksed. Kasutusohutus. Nõuded ja katsemeetodid
Power operated pedestrian doorsets - Safety in use - Requirements and test methods

Keel: en
Alusdokumendid: EN 16005:2012
Asendatud järgmise dokumendiga: EVS-EN 16005:2023
Parandatud järgmise dokumendiga: EVS-EN 16005:2012/AC:2015
Standardi staatus: Kehtetu

EVS-EN 16005:2012/AC:2015
Masinkasutusega uksed. Kasutusohutus. Nõuded ja katsemeetodid
Power operated pedestrian doorsets - Safety in use - Requirements and test methods

Keel: en
Alusdokumendid: EN 16005:2012/AC:2015
Asendatud järgmise dokumendiga: EVS-EN 16005:2023
Standardi staatus: Kehtetu

EVS-EN 200:2008
Sanitary tapware - Single taps and combination taps for water supply systems of type 1 and type 2 - General technical specification

Keel: en
Alusdokumendid: EN 200:2008
Asendatud järgmise dokumendiga: EVS-EN 200:2023
Standardi staatus: Kehtetu

EVS-EN 26:2015
Gaasküttega läbivoolu veekuumutusseadmed kodumajapidamises
Gas-fired instantaneous water heaters for the production of domestic hot water

Keel: en
Alusdokumendid: EN 26:2015
Asendatud järgmise dokumendiga: EVS-EN 26:2023
Muudetud järgmise dokumendiga: EN 26:2015/prA1:2016
Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 12697-22:2020
Asfaltsegud. Katsemeetodid. Osa 22: Rattaroopa katse
Bituminous mixtures - Test methods - Part 22: Wheel tracking

Keel: en, et
Alusdokumendid: EN 12697-22:2020
Asendatud järgmise dokumendiga: EVS-EN 12697-22:2020+A1:2023
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 12196:2003
Võimlemisriistad. Hobused ja kitsed. Funktsionaalsed ja ohutusnõuded, katsemeetodid
Gymnastic equipment - Horses and bucks - Functional and safety requirements, test methods

Keel: en
Alusdokumendid: EN 12196:2003
Asendatud järgmise dokumendiga: EVS-EN 12196:2023
Standardi staatus: Kehtetu

EVS-EN 1273:2020
Lapsehooldustooted. Käimistoolid beebidele. Ohutusnõuded ja katsemeetodid
Child care articles - Baby walking frames - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 1273:2020
Asendatud järgmise dokumendiga: EVS-EN 1273:2020+A1:2023
Standardi staatus: Kehtetu

EVS-EN 13329:2016+A2:2021

Laminate floor coverings - Elements with a surface layer based on aminoplastic thermosetting resins - Specifications, requirements and test methods

Keel: en
Alusdokumendid: EN 13329:2016+A2:2021
Asendatud järgmise dokumendiga: EVS-EN 13329:2023
Standardi staatus: Kehtetu

EVS-EN 14073-2:2004

Büroomööbel. Mahutusmööbel. Osa 2: Ohutusnõuded
Office furniture - Storage furniture - Part 2: Safety requirements

Keel: en, et
Alusdokumendid: EN 14073-2:2004
Asendatud järgmise dokumendiga: EVS-EN 16121:2023
Standardi staatus: Kehtetu

EVS-EN 14978:2016+A1:2021

Laminate floor coverings - Elements with acrylic based surface layer, electron beam cured - Specifications, requirements and test methods

Keel: en
Alusdokumendid: EN 14978:2016+A1:2021
Asendatud järgmise dokumendiga: EVS-EN 13329:2023
Standardi staatus: Kehtetu

EVS-EN 15185:2011

Mööbel. Pinna kulumiskindluse hindamine
Furniture - Assessment of the surface resistance to abrasion

Keel: en
Alusdokumendid: EN 15185:2011
Asendatud järgmise dokumendiga: EVS-EN 15185:2023
Standardi staatus: Kehtetu

EVS-EN 15372:2016

Furniture - Strength, durability and safety - Requirements for non-domestic tables

Keel: en
Alusdokumendid: EN 15372:2016
Asendatud järgmise dokumendiga: EVS-EN 15372:2023
Standardi staatus: Kehtetu

EVS-EN 15468:2016+A1:2021

Laminate floor coverings - Elements with directly applied printing and resin surface layer - Specifications, requirements and test methods

Keel: en
Alusdokumendid: EN 15468:2016+A1:2021
Asendatud järgmise dokumendiga: EVS-EN 13329:2023
Standardi staatus: Kehtetu

EVS-EN 16121:2013+A1:2017

Non-domestic storage furniture - Requirements for safety, strength, durability and stability

Keel: en
Alusdokumendid: EN 16121:2013+A1:2017
Asendatud järgmise dokumendiga: EVS-EN 16121:2023
Standardi staatus: Kehtetu

EVS-EN 203-1:2021

Gaaskuumutusega toitlustusseadmed. Osa 1: Üldised ohutusnõuded
Gas heated catering equipment - Part 1: General safety requirements

Keel: en
Alusdokumendid: EN 203-1:2021
Asendatud järgmise dokumendiga: EVS-EN 203-1:2021+A1:2023
Standardi staatus: Kehtetu

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

Keel: en
Alusdokumendid: EN 203-2-1:2021
Asendatud järgmise dokumendiga: EVS-EN 203-2-1:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 203-2-2:2021

Gaaskuumutusega toitlustusseadmed. Osa 2-2: Erinõuded. Ahjud
Gas heated catering equipment - Part 2-2: Specific requirements - Ovens

Keel: en
Alusdokumendid: EN 203-2-2:2021
Asendatud järgmise dokumendiga: EVS-EN 203-2-2:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 203-2-4:2021

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

Keel: en
Alusdokumendid: EN 203-2-4:2021
Asendatud järgmise dokumendiga: EVS-EN 203-2-4:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 30-1-1:2021

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

Keel: en
Alusdokumendid: EN 30-1-1:2021
Asendatud järgmise dokumendiga: EVS-EN 30-1-1:2021+A1:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A11:2014
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A12:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A13:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Osaliselt asendatud järgmise dokumendiga: EVS-EN 62841-1:2015
Parandatud järgmise dokumendiga: EVS-EN 60335-1:2012/AC:2014
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A1:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010/A1:2013, modified + COR1:2014)

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A1:2019; IEC 60335-1:2010/AMD1:2013/COR1:2014; IEC 60335-1:2010/AMD1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN 62841-1:2015

Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A11:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en
Alusdokumendid: EN 60335-1:2012/A11:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A13:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A13
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13:2017
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A14:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A14:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A15:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A15:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A16:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A16:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1:General requirements (IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

Standardi staatus: Kehtetu

EVS-EN 60335-1:2012/AC:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety -- Part 1: General requirements

Keel: en
Alusdokumendid: EN 60335-1:2012/AC:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11:2014
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11:2014

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012; IEC 60335-1:2010; EN 60335-1:2012/A11:2014; EN 60335-1:2012/AC:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A12
Konsolideeritud järgmise dokumendiga: EVS-EN 60335-1:2012+A11+A13:2017
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13:2017

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 60335-1:2012; IEC 60335-1:2010; EN 60335-1:2012/A11:2014; EN 60335-1:2012/AC:2014; EN 60335-1:2012/A13:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A1:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A14:2019
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A15:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A15:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023

Muudetud järgmise dokumendiga: EVS-EN 60335-1:2012/A16:2023
Standardi staatus: Kehtetu

EVS-EN 60335-1:2012+A11+A13+A1+A14+A2+A15+A16:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 1: Üldnõuded
Household and similar electrical appliances - Safety - Part 1: General requirements (IEC 60335-1:2010, modified + IEC 60335-1:2010/A1:2013, modified + COR1:2014 + IEC 60335-1:2010/A2:2016, modified + COR1:2016)

Keel: en, et
Alusdokumendid: IEC 60335-1:2010; EN 60335-1:2012; EN 60335-1:2012/A11:2014; EN 60335-1:2012/A1:2019; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A2:2019; IEC 60335-1:2010/AMD1:2013; IEC 60335-1:2010/AMD1:2013/COR1:2014; EN 60335-1:2012/A13:2017; IEC 60335-1:2010/AMD2:2016/COR1:2016; IEC 60335-1:2010/AMD2:2016; EN 60335-1:2012/A14:2019; EN 60335-1:2012/A15:2021; EN 60335-1:2012/A16:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-1:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A1:2005

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: IEC 60335-2-60:2002/A1:2004; EN 60335-2-60:2003/A1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A11:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: EN 60335-2-60:2003/A11:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A12:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja mullivannipaigaldistele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: EN 60335-2-60:2003/A12:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-60:2003/A2:2008

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-60: Erinõuded mullivannidele ja –basseinidele
Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas

Keel: en
Alusdokumendid: IEC 60335-2-60:2002/A2:2008; EN 60335-2-60:2003/A2:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-60:2023
Standardi staatus: Kehtetu

EVS-EN ISO 23953-2:2015

Refrigerated display cabinets - Part 2: Classification, requirements and test conditions (ISO 23953-2:2015)

Keel: en
Alusdokumendid: ISO 23953-2:2015; EN ISO 23953-2:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 23953-2:2023
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

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

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

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

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

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

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

prEN ISO 13143-1

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes (ISO/DIS 13143-1:2023)

This document specifies the test suite structure (TSS) and test purposes (TPs) for evaluating the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 12813. It provides a basis for conformance tests for dedicated short-range communication (DSRC) OBE and RSE to support interoperability between different equipment supplied by different manufacturers. ISO 12813 defines requirements on the compliance check communication (CCC) interface level, but not for the RSE or OBE internal functional behaviour. Consequently, tests regarding OBE and/or RSE functional behaviour remain outside the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 13143-1; prEN ISO 13143-1
Asendab dokumenti: EVS-EN ISO 13143-1:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

07 LOODUS- JA RAKENDUSTEADUSED

prEN ISO 6579-4

Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of Salmonella - Part 4: Identification of monophasic Salmonella Typhimurium (1,4,[5],12:i:-) by polymerase chain reaction (PCR) (ISO/DIS 6579-4:2023)

This document specifies a horizontal in vitro method for the molecular identification and differentiation of the monophasic variant of Salmonella enterica subsp. enterica serovar Typhimurium (1,4[5],12:i:-) lacking, or not expressing, the second H phase H:1,2, starting from isolates. The method detects specific DNA sequences of an intergenic region of the first H phase flagellin cluster for identification of Salmonella enterica subsp. enterica serovar Typhimurium (further called Salmonella Typhimurium) and specific DNA sequences of genes associated with second H phase flagellar antigen expression. The method is applicable for: — differentiation of the isolate under analysis between monophasic Salmonella Typhimurium and the monophasic variant of another Salmonella non-Typhimurium serovar that has the same antigenic formula; — identification of the isolate under analysis being either monophasic Salmonella Typhimurium or (biphasic) Salmonella Typhimurium. This document is applicable for the analysis of a pure culture belonging to the genus Salmonella, isolated from: — products intended for human consumption; — products intended for animal feeding; — environmental samples in the area of food and feed production and handling; — samples from the primary production stage. This document can also be applied in other domains for identification of monophasic Salmonella Typhimurium (e.g. environmental, human health, animal health).

Keel: en
Alusdokumendid: ISO/DIS 6579-4; prEN ISO 6579-4

Arvamusküsitluse lõppkuupäev: 26.02.2024

11 TERVISEHOOLDUS

prEN ISO 15193

In vitro diagnostic medical devices - Requirements for reference measurement procedures (ISO/DIS 15193:2023)

This document specifies requirements for reference measurement procedures for measurands used in laboratory medicine. This document applies to a) reference measurement procedures providing values of differential or rational quantities. Annex A provides information on nominal properties and ordinal quantities. b) any person, body or institution developing reference measurement procedures for measurands used in laboratory medicine.

Keel: en
Alusdokumendid: ISO/DIS 15193; prEN ISO 15193
Asendab dokumenti: EVS-EN ISO 15193:2009

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 15194

In vitro diagnostic medical devices - Requirements for certified reference materials and the content of supporting documentation (ISO/DIS 15194:2023)

This standard specifies requirements for producers of CRMs of higher metrological order and the content of their supporting documentation that comply with the requirements of ISO 17511 and the calibration hierarchies described therein. It is applicable to CRMs intended for use as either primary reference materials, secondary calibrators or international conventional calibrators within calibration hierarchies appropriate for measurands used in laboratory medicine, or for applications as trueness controls. Requirements for determining the certified value of a CRM, including evaluation and reporting of the assigned uncertainty, are specified. This standard applies primarily to CRMs with assigned property values where the property has a magnitude that can be expressed as a quantitative scalar number or ratio to a reference or refers to a counting scale as also described in the scope of ISO 17511:2020. Annex A provides information on CRMs for qualitative nominal properties and ordinal quantities, to provide guidance on important quality attributes for such CRMs, whilst recognizing that they are not within the metrological traceability schemes described in ISO 17511:2020. When a CRM includes multiple measurands, this Standard is applied to each of the certified quantity values present in the CRM. Although intended to be applicable to producers of CRMs, this Standard will also be useful for RMs that do not comply with the full metrological requirements of CRMs. For example, this International Standard does not apply to a RM created by IVD MD manufacturers for use as working calibrator or end-user calibrator within a calibration hierarchy traceable to a CRM, although some content may be useful in assessing its performance.

Keel: en
Alusdokumendid: ISO/DIS 15194; prEN ISO 15194
Asendab dokumenti: EVS-EN ISO 15194:2009

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 16671

Ophthalmic implants - Irrigating solutions for ophthalmic surgery (ISO/DIS 16671:2023)

ISO 16671:2015 defines requirements with regards to safety for the intended performance, design attributes, preclinical and clinical evaluation, sterilization, product packaging, product labelling, and the information supplied by the manufacturer. ISO 16671:2015 applies to ophthalmic irrigating solutions (OIS), used during ophthalmic surgery. These solutions do not provide any primary immunological, pharmacological, or metabolic function.

Keel: en
Alusdokumendid: ISO/DIS 16671; prEN ISO 16671
Asendab dokumenti: EVS-EN ISO 16671:2015
Asendab dokumenti: EVS-EN ISO 16671:2015/A1:2017

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 5649

Medical laboratories - Concepts and specifications for the design, development, implementation, and use of laboratory-developed tests (ISO/DIS 5649:2023)

The proposed standard document specifies requirements for ensuring quality, safety and performance of laboratory-developed tests (LDT). It outlines the general principles and assessment criteria by which LDT shall be designed, developed, manufactured, validated and monitored for internal use by medical laboratories. While the proposed standard follows a current best practice and state-of-the art approach, it does not provide specific details on how to achieve these requirements within certain disciplines of medical laboratory testing. This document does not cover requirements for examination procedures developed by research or academic laboratories developing and using testing systems for non-in-vitro-diagnostic purposes. However, the concepts presented in this document may also be useful for these institutions. The proposed standard does not apply to the design, development and industrial production of commercially used in vitro diagnostic medical devices.

Keel: en
Alusdokumendid: ISO/DIS 5649; prEN ISO 5649

Arvamusküsitluse lõppkuupäev: 26.02.2024

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 1366-3:2021/prA1

Fire resistance tests for service installations - Part 3: Penetration seals

This part of the EN 1366 series specifies a method of test and criteria for the evaluation (including field of direct application rules) of the ability of a penetration seal to maintain the fire resistance of a separating element at the position at which it has been penetrated by a service or services. Penetration seals used to seal gaps around chimneys, air ventilation systems, fire rated ventilation ducts, fire rated service ducts, shafts and smoke extraction ducts as well as combined penetration seals are excluded from this part of the EN 1366 series. NOTE EN 15882-5 [6] deals with penetration seals including ducts and dampers. Supporting constructions are used in this part of the EN 1366 series to represent separating elements such as walls or floors. These simulate the interaction between the test specimen and the separating element into which the sealing system is to be installed in practice. This part of the EN 1366 series is intended to be used in conjunction with EN 1363 1. The purpose of a test described in this part of the EN 1366 series is to assess the integrity and insulation performance of the penetration seal, of the penetrating service or services and of the separating element in the surrounding area of the penetration seal. No information can be implied by the test concerning the influence of the inclusion of such penetrations and penetration seals on the loadbearing capacity of the separating element. It is assumed that in each case the lintel above a penetration seal in the wall is designed in hot and cold state in a way that it does not apply any additional vertical load on the penetration seal. It is not the intention of this test to provide quantitative information on the rate of leakage of smoke and/or hot gases or on the transmission or generation of fumes. Such phenomena are only noted in the test report in describing the general behaviour of test specimens during the test. Tests in accordance with this part of the EN 1366 series are not intended to supply any information on the ability of the penetration seal to withstand stress caused by movements or displacements of the penetrating services. The risk of spread of fire downwards caused by burning material, which drips e.g. through a pipe downwards to floors below, is at present excluded from this document. Tests in accordance with this part of the EN 1366 series do not address any risks associated with leakage of dangerous liquids or gases caused by failure of pipes in case of fire. Tests in accordance with this part of the EN 1366 series of pipe penetration seals for pipes of pneumatic dispatch systems, pressurized air systems, etc. simulate a situation where the systems are shut off in case of fire. Explanatory notes to this test method are given in Annex H. All values given without tolerances in this document are nominal ones unless otherwise specified. All pipe diameters are outside diameters unless otherwise specified.

Keel: en
Alusdokumendid: EN 1366-3:2021/prA1
Muudab dokumenti: EVS-EN 1366-3:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

EN IEC 62232:2022/prA1:2023

Amendment 1 - Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure

Amendment to EN IEC 62232:2022

Keel: en
Alusdokumendid: 106/626/CDV; EN IEC 62232:2022/prA1:2023
Muudab dokumenti: EVS-EN IEC 62232:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 13381-7

Test methods for determining the contribution to the fire resistance of structural members - Part 7: Applied protection to timber members

This document specifies test methods for determining the contribution of fire protection kits to the fire resistance of structural timber members. Such fire protection kits include claddings, sprayed fire protection and reactive coatings. The method is applicable to all fire protection kits used for the protection of timber members. These can be fixed directly, totally or in part, to the timber member and can include an air gap between the fire protection kit and the timber member, as an integral part of its design. Evaluation of timber constructions protected by horizontal or vertical protective membranes are the subject of EN 13381 1 or EN 13381 2, respectively. The test method is applicable to the determination of the contribution of fire protection kits to the fire resistance of loadbearing timber structural members including floors, roofs, walls, beams and columns. This document contains the fire test which specifies the test to be carried out to determine the ability of the fire protection kit at a specified thickness to delay the temperature rise throughout the timber member, to determine the ability of the fire protection kit at a specified thickness to remain coherent and fixed to the timber member and to provide data for determining the charring rate of the protected test member, when exposed to the standard temperature/time curve according to the procedures defined herein. This document is not appropriated to classify the tested assembly according to EN 13501 2. The test to subject reactive protection material to a smouldering temperature time fire curve and the special circumstances for this are detailed in Annex G. The fire test methodology makes provision for the collection and presentation of data which can be used as direct input to the calculation of fire resistance of timber members in accordance with the procedures given in EN 1995 1 2. A description of the relationship of this test method and the assessment of the results obtained therefrom to EN 1995 1 2 and guidelines for the use of this test method in accordance with that standard are given in Annex B. This document also contains the assessment which indicates how the analysis of the test data should be made and gives guidance to the procedures by which interpolation should be undertaken. The limits of applicability of the results of the assessment arising from the fire test are defined, together with the direct application of the results to different timber constructions with the specified thickness and fixation of the applied fire protection kit tested.

Keel: en
Alusdokumendid: prEN 13381-7
Asendab dokumenti: EVS-EN 13381-7:2019

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 61496-3:2023

Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)

This document specifies additional requirements for the design, construction and testing of non-contact electro-sensitive protective equipment (ESPE) designed specifically to detect persons or parts of persons as part of a safety-related system, employing active opto-electronic protective devices responsive to diffuse reflection (AOPDDRs) for the sensing function. Special attention is directed to requirements which ensure that an appropriate safety -related performance is achieved. An ESPE can include optional safety-related functions, the requirements for which are given both in Annex A of this document and in Annex A of IEC 61496-1:2020. NOTE "Non-contact" means that physical contact is not required for sensing. Where this document does not contain all necessary provisions, then IEC TS 62998-1 applies. It is also possible, for those aspects not considered in this document, to use provisions from IEC TS 62998-1 additionally. This document does not specify the dimensions or configurations of the detection zone and its disposition in relation to hazardous parts for any particular application, nor what constitutes a hazardous state of any machine. It is restricted to the functioning of the ESPE and how it interfaces with the machine. AOPDDRs are devices that have either – one or more detection zone(s) specified in two dimensions (AOPDDR-2D), or – one or more detection zone(s) specified in three dimensions (AOPDDR-3D) wherein radiation in the near infrared range is emitted by an emitting element(s). When the emitted radiation impinges on an object (for example, a person or part of a person), a portion of the emitted radiation is reflected to a receiving element(s) by diffuse reflection. This reflection is used to determine the position of the object. Opto-electronic devices that perform only a single one-dimensional spot-like distance measurement, for example, optical proximity switches, are not covered by this document.

Keel: en
Alusdokumendid: 44/1016/CDV; prEN IEC 61496-3:2023
Asendab dokumenti: EVS-EN IEC 61496-3:2019

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 63369-1:2023

Methodology for the carbon footprint calculation applicable to industrial lithium-ion batteries

This document is part of a series. The first part addresses general requirements and methodology whereas the second part addresses applications of the methodology. This document provides a comprehensive methodology for the calculation of carbon footprint of industrial type Li-ion battery systems from cradle to grave. Second life and/or usage that was not intended when the battery is put on the market is not taken into account. This document along with the other parts of the standard does not pertain to Li-ion batteries of portable type or for use in electric road vehicles The definition of the parameters used for the calculation allows for an improved comparability of results for all rechargeable Li-ion chemistries. Classes of representative products are defined in this document to allow comparison inside each class. This methodology, based on the data provided by the battery manufacturer, is mainly intended for use by the battery purchaser or the battery end-user in order to compare the carbon footprint to select between battery systems being considered for their use over their Reference Service Life 191 (RSL). The methodology can also be used for a variety of purposes such as for battery system development, eco-design and participation in voluntary or mandatory programs. After cell manufacturing, and for the benefit of any downstream user, an intermediate collection of data such as the data for processes & material components, related to carbon footprint weight of the cell, can be performed by the cell manufacturer. Primary data are to be collected by cell/components manufacturers. This document with the other parts of the standard offers also general guidance for the specific application of ISO 14067 to such a calculation. The methodology in this document is based exclusively on attributional LCA. The carbon footprint calculation of charging equipment and power conversion equipment is not covered in this document.

Keel: en
Alusdokumendid: 21A/867/CDV; prEN IEC 63369-1:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 13646

Water quality - Determination of selected estrogens in whole water samples - Method using solid phase extraction (SPE) followed by liquid chromatography (LC) or gas chromatography (GC) coupled to mass spectrometry (MS) detection (ISO/DIS 13646:2023)

This document specifies a method for the determination of 5 oestrogens, in whole water samples listed in Table 1. The method uses solid-phase extraction (SPE-disks and/or cartridges) followed by liquid or gas chromatography-mass spectrometry (tandem mass spectrometry and/or High resolution mass spectrometry). It is applicable to the analysis of selected estrogens in surface water containing suspended particulate matter (SPM) up to 50 mg/l , DOC content up to 7 mg/l (whole water samples), drinking water and groundwater.

Keel: en
Alusdokumendid: ISO/DIS 13646; prEN ISO 13646

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 15192

Soil and waste - Determination of Chromium(VI) in solid material by alkaline digestion and ion chromatography with spectrometric detection (ISO/DIS 15192:2023)

This document specifies the determination of Cr(VI) in solid waste material and soil by alkaline digestion and ion chromatography with spectrophotometric detection. This method can be used to determine Cr(VI)-mass fractions in solids higher than 0,1 mg/kg. NOTE In case of reducing or oxidising waste matrix no valid Cr(VI) content can be reported.

Keel: en
Alusdokumendid: ISO/DIS 15192; prEN ISO 15192

Asendab dokumenti: EVS-EN ISO 15192:2021

Arvamusküsitluse lõppkuupäev: 26.02.2024

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EN IEC 61557-1:2021/prA1:2023

Amendment 1 - 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 1: General requirements

Amendment to EN IEC 61557-1:2021

Keel: en
Alusdokumendid: 85/900/CDV; EN IEC 61557-1:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 61557-1:2021

Arvamusküsitluse lõppkuupäev: 26.02.2024

EN IEC 62232:2022/prA1:2023

Amendment 1 - Determination of RF field strength, power density and SAR in the vicinity of base stations for the purpose of evaluating human exposure

Amendment to EN IEC 62232:2022

Keel: en
Alusdokumendid: 106/626/CDV; EN IEC 62232:2022/prA1:2023
Muudab dokumenti: EVS-EN IEC 62232:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 5059-1

Geometrical product specifications (GPS) - Dimensional measuring equipment: inside micrometers - Part 1: Two-point inside micrometers - Design and metrological characteristics (ISO/DIS 5059-1:2023)

This document provides the most important design and metrological characteristics of two-point inside micrometers for internal measurement: — with a scale interval of 0,001 mm and 0,01 mm; — with analogue or digital indication. It applies to two-point inside micrometers with and without interchangeable rods. This document does not apply to micrometers fitted with a dial gauge, or to jaw micrometers. Three-point inside micrometers are excluded from this document and are covered by the part 2 of this document.

Keel: en
Alusdokumendid: ISO/DIS 5059-1; prEN ISO 5059-1

Arvamusküsitluse lõppkuupäev: 26.02.2024

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 10284

Malleable cast iron fittings with compression ends for polyethylene (PE) piping systems

This document specifies the requirements for the design, performance and testing of fittings made of malleable cast iron (see also Clause 5 Materials) with compression ends for polyethylene piping systems. This document applies to piping systems in polyethylene (PE) materials for different application fields, such as water and gas supply, water distribution, irrigation, aqueous liquids, pressurized air and gaseous fuel systems. NOTE Products complying with this document used for water applications intended for human consumption are expected to comply with the relevant national, regional or local regulatory provisions applicable in the place of use. Due to the variety and dynamic of the requirements, it is advisable to check the compliance. The malleable cast iron fittings specified in this standard are of compression end type for the connection of PE pipes or of transition type with combined compression ends for pipes in different materials or with combined compression and threaded ends in conformance with EN 10226-1. Their range of sizes covers nominal outside diameters of PE pipes dn 16 mm to dn 110 mm (DN 10 to DN 100) and pipe thread sizes ⅜ to 4.

Keel: en
Alusdokumendid: prEN 10284
Asendab dokumenti: EVS-EN 10284:2000

Arvamusküsitluse lõppkuupäev: 27.01.2024

prEN 12900

Refrigerant compressors - Rating conditions, tolerances and presentation of performance data

This document specifies the rating conditions, tolerances and the method of presenting performance data of refrigerant compressors. This document is applicable to single stage compressor and two stage compressor data with or without an additional intermediate pressure inlet. The performance data of compressors used with R-744 in transcritical operation are covered in this document. The data relating to the refrigerating capacity, heating capacity and power absorbed include requirements for part load operation where applicable. Presenting performance in this way enables a comparison of different compressors.

Keel: en
Alusdokumendid: prEN 12900
Asendab dokumenti: EVS-EN 12900:2013

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 11118

Gas cylinders - Non-refillable metallic gas cylinders - Specification and test methods (ISO/DIS 11118:2023)

ISO 11118:2015 specifies minimum requirements for the material, design, inspections, construction and workmanship, manufacturing processes, and tests at manufacture of non-refillable metallic gas cylinders of welded, brazed, or seamless construction for compressed and liquefied gases including the requirements for their non-refillable sealing devices and their methods of testing. NOTE The specific gases permitted in cylinders constructed to this International Standard can be limited by national or international requirements. This International Standard is applicable to cylinders where a) the test pressure does not exceed 250 bar (i.e. ph ≤ 250 bar) for liquefied gases and 450 bar for compressed gases; b) the product of the test pressure and the water capacity does not exceed 1 000 bar·litres (i.e. ph V ≤ 1 000 bar L); c) the test pressure exceeds 45 bar and the water capacity does not exceed 5 l (i.e. for ph > 45 bar, then V ≤ 5 l).

Keel: en
Alusdokumendid: ISO/DIS 11118; prEN ISO 11118
Asendab dokumenti: EVS-EN ISO 11118:2015
Asendab dokumenti: EVS-EN ISO 11118:2015/A1:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

25 TOOTMISTEHNOLOOGIA

EN ISO 9013:2017/prA1

Thermal cutting - Classification of thermal cuts - Geometrical product specification and quality tolerances - Amendment 1 (ISO 9013:2017/DAM 1:2023)

Amendment to EN ISO 9013:2017

Keel: en
Alusdokumendid: ISO 9013:2017/DAmd 1; EN ISO 9013:2017/prA1
Muudab dokumenti: EVS-EN ISO 9013:2017

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 12348

Core drilling machines on stand - Safety

This European Standard applies to core drilling machines on transportable stands equipped with a diamond core drill bit, usually with a water supply connection device, and intended to drill holes into stone, concrete and similar mineral materials in a stationary position where the power for the tool rotation is supplied by an electrical, hydraulic, pneumatic or internal combustion prime motor. The feed movement of the drill head and core drill bit may be effected by manual, mechanical or hydraulic means. This European Standard deals with all significant hazards pertinent to core drilling machines on a stand when used as intended and under the conditions foreseen by the manufacturer (see clause 4). This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards. This standard does not apply to: - percussive or rotary-percussive rock drills either mounted or unmounted; - hand held power drills; - hydraulic or pneumatic power supply sources; - mobile undercarriages to which machines can be fitted. This European Standard does not apply to machinery covered by EN 791:1995. This European Standard covers electrical hazards by making reference to relevant European Standards (see 5.2). Those hazards that are relevant for all mechanical, electrical, hydraulic and other equipment of machinery and that are dealt with in standards for common use are not covered by this European Standard. Reference to pertinent standards of this kind is made where such standards are applicable and so far as is necessary. In this European Standard, core drilling machines on a stand are called "machines" and diamond core drill bits are called “tools”. NOTE The term "diamond" is used as a generic word which covers all varieties of abrasive products such as diamond, borum nitride. This European Standard applies primarily to machines which are manufactured after the date of approval of the standard by CEN.

Keel: en
Alusdokumendid: prEN 12348
Asendab dokumenti: EVS-EN 12348:2000+A1:2009

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 15027

Transportable wall saw and wire saw equipment for job site - Safety

The global description "wall saw and wire saw equipment" contains two differing types of machines for use in the construction industry, and both used to make cuts on walls, ceilings and floors composed of mineral construction materials and/or composite materials. The many different cutting tasks and choice of operating method determine the type of machine to be used for each application. The machines may therefore be split into the following two principal classifications: - Wall saws - exclusively rail guided - transportable. - Wire saws - transportable. The machines are intended for the use of diamond tools. The types of cutting tools used in conjunction with the machines as described above fall within the design and use parameters supplied by the manufacturer. Cutting debris generated by the cutting action is removed from the cutting joint by a medium such as water directed to the cutting tool. Machines covered by this standard may be powered by: electric motor, IC engine, electro-hydraulic drive and IC engine-hydraulic drive. This European Standard deals with all significant hazards, hazardous situations and events relevant to wall saws

and wire saws machinery, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards generated by the cutting process work cycle. For special applications, for example, when working in potentially explosive atmospheres, additional safety requirements is necessary which are not covered by this standard. This European Standard does not apply for wire saws intended for quarrying and stationary machining of natural stone as covered by prEN 15163. This European Standard applies primarily to machines which are manufactured after the date of approval by CEN of this standard.

Keel: en
Alusdokumendid: prEN 15027
Asendab dokumenti: EVS-EN 15027:2007+A1:2009

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 62657-2:2023

Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management

This part of IEC 62657: • specifies the fundamental assumptions, concepts, parameters, and procedures for wireless communication coexistence; • specifies coexistence parameters and how they are used in an application requiring wireless coexistence; • provides guidelines, requirements, and best practices for wireless communication's availability and performance in an industrial automation plant; it covers the life-cycle of wireless communication coexistence; • helps the work of all persons involved with the relevant responsibilities to cope with the critical aspects at each phase of life-cycle of the wireless communication coexistence management in an industrial automation plant. Life-cycle aspects include: planning, design, installation, implementation, operation, maintenance, administration and training; • provides a common point of reference for wireless communication coexistence for industrial automation sites as a homogeneous guideline to help the users assess and gauge their plant efforts; • deals with the operational aspects of wireless communication coexistence regarding both the static human/tool-organization and the dynamic network self-organization. This document provides a major contribution to national and regional regulations. It does not exempt devices from conforming to all requirements of national and regional regulations.

Keel: en
Alusdokumendid: 65C/1278/CDV; prEN IEC 62657-2:2023
Asendab dokumenti: EVS-EN IEC 62657-2:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 12900

Refrigerant compressors - Rating conditions, tolerances and presentation of performance data

This document specifies the rating conditions, tolerances and the method of presenting performance data of refrigerant compressors. This document is applicable to single stage compressor and two stage compressor data with or without an additional intermediate pressure inlet. The performance data of compressors used with R-744 in transcritical operation are covered in this document. The data relating to the refrigerating capacity, heating capacity and power absorbed include requirements for part load operation where applicable. Presenting performance in this way enables a comparison of different compressors.

Keel: en
Alusdokumendid: prEN 12900
Asendab dokumenti: EVS-EN 12900:2013

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 50583-1

Photovoltaics in buildings - Part 1: BIPV modules

This document applies to photovoltaic modules that contain at least one glass pane and which are used as construction products. It focuses on the properties of these photovoltaic modules relevant to essential building requirements as specified in the European Construction Product Regulation CPR 305/2011, and the applicable electro-technical requirements as stated in the Low Voltage Directive 2014/35/EU / or CENELEC standards. The CE mark of building integrated photovoltaic (BIPV) modules will thus state properties based on both documents as they are both equally applicable. This document references international standards, technical reports and guidelines. For some mounting categories, in addition, national standards (or regulations) for building products may apply in individual countries, which are not explicitly referenced here and for which harmonized European Standards are not yet available. The document is addressed to manufacturers, planners, system designers, installers, testing institutes and building authorities. This document does not address concentrating or building-attached photovoltaic modules (BAPV). This document addresses requirements on the PV modules in the specific ways they are intended to be mounted. Separable mounting structures are within the scope of EN 50583 2. NOTE For the definition of building-attached photovoltaic modules (BAPV) refer to Clause 3.

Keel: en
Alusdokumendid: prEN 50583-1
Asendab dokumenti: EVS-EN 50583-1:2016

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 22765

Nuclear fuel technology - Sintered (U,Pu)O2 pellets - Guidance for ceramographic preparation for microstructure examination (ISO/DIS 22765:2023)

ISO 22765:2016 describes the ceramographic procedure used to prepare sintered (U,Pu)O2 pellets for qualitative and quantitative examination of the pellet microstructure. The examinations are performed before and after thermal treatment or chemical etching. They allow - observation of any cracks, intra- and intergranular pores or inclusions, and - measurement of the grain size, porosity and plutonium homogeneity distribution. The mean grain diameter is measured by one of the classic methods: counting (intercept method), comparison with standard grids or typical images, etc.[2] The measurement of individual grain sizes requires uniform development of the microstructure over the entire specimen. The plutonium cluster and pore distribution and localization are generally analysed by automatic image analysis systems. The plutonium distribution is usually revealed by chemical etching but alpha-autoradiography can also be used. The first technique avoids the tendency for autoradiography to exaggerate the size of plutonium-rich clusters due to the distance the alpha particles travel away from the source.

Keel: en
Alusdokumendid: ISO/DIS 22765; prEN ISO 22765
Asendab dokumenti: EVS-EN ISO 22765:2019

Arvamusküsitluse lõppkuupäev: 26.02.2024

29 ELEKTROTEHNIKA

EN IEC 61557-1:2021/prA1:2023

Amendment 1 - 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 1: General requirements

Amendment to EN IEC 61557-1:2021

Keel: en
Alusdokumendid: 85/900/CDV; EN IEC 61557-1:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 61557-1:2021

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 50388-2:2023

Fixed installations and rolling stock for railway applications - Technical criteria for the coordination between electric traction power supply systems and rolling stock to achieve interoperability - Part 2: Stability and harmonics

This document is linked to EN 50388 1:2022, which describes the general technical criteria for the coordination between power supply and rolling stock to achieve interoperability. This Part 2 establishes the acceptance criteria according to EN 50388 1:2022, 10.2 for compatibility between traction units and power supply, in relation to: — co-ordination between controlled elements and also between these elements and resonances in the electrical infrastructure in order to achieve network system stability. — co-ordination of harmonic behaviour with respect to excitation of electrical resonances. The following electric traction systems are within scope: — railways; — guided mass transport systems that are integrated with railways; — material transport systems that are integrated with railways. Public three-phase grid networks are out of scope, but grid networks which are dedicated to railways are included. This document is applied in accordance with the requirements in EN 50388 1:2022, Clause 10. It does not apply retrospectively to rolling stock or railway power supply elements already in service. It is the aim of this Part 2 to support acceptance of new elements (rolling stock or infrastructure) by specifying precise requirements and methods for demonstration of compliance. This document acts as “code of practice” quoted in EN 50388 1, 10.2. However, it is still admissible to use the process as defined in EN 50388 1:2022, 10.3 instead. This version of the standard only applies to AC systems. Later versions might include similar effects in DC networks in addition, see Annex D. The main phenomena identified and treated in this document are: — electrical resonance stability. — low frequency stability. — overvoltages caused by harmonics. The interaction with signalling (including track circuits) is not dealt with in this document.

Keel: en
Alusdokumendid: prEN 50388-2:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

31 ELEKTROONIKA

prEN IEC 60749-34-1:2023

Semiconductor devices - Mechanical and climatic test methods - Part 34-1: Power cycling test for power semiconductor module

This part of IEC IEC 60749 describes a test method that is used to determine the capability of power semiconductor modules to withstand thermal and mechanical stress resulting from cycling the power dissipation of the internal semiconductors and the internal connectors. It is based on IEC 60749-34, Power cycling, but is developed specifically for silicon-based power semiconductor module products. This test causes wear-out and is considered destructive.

Keel: en
Alusdokumendid: 47/2823/CDV; prEN IEC 60749-34-1:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 61496-3:2023

Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)

This document specifies additional requirements for the design, construction and testing of non-contact electro-sensitive protective equipment (ESPE) designed specifically to detect persons or parts of persons as part of a safety-related system, employing active opto-electronic protective devices responsive to diffuse reflection (AOPDDRs) for the sensing function. Special attention is directed to requirements which ensure that an appropriate safety -related performance is achieved. An ESPE can include optional safety-related functions, the requirements for which are given both in Annex A of this document and in Annex A of IEC 61496-1:2020. NOTE "Non-contact" means that physical contact is not required for sensing. Where this document does not contain all necessary provisions, then IEC TS 62998-1 applies. It is also possible, for those aspects not considered in this document, to use provisions from IEC TS 62998-1 additionally. This document does not specify the dimensions or configurations of the detection zone and its disposition in relation to hazardous parts for any particular application, nor what constitutes a hazardous state of any machine. It is restricted to the functioning of the ESPE and how it interfaces with the machine. AOPDDRs are devices that have either – one or more detection zone(s) specified in two dimensions (AOPDDR-2D), or – one or more detection zone(s) specified in three dimensions (AOPDDR-3D) wherein radiation in the near infrared range is emitted by an emitting element(s). When the emitted radiation impinges on an object (for example, a person or part of a person), a portion of the emitted radiation is reflected to a receiving element(s) by diffuse reflection. This reflection is used to determine the position of the object. Opto-electronic devices that perform only a single one-dimensional spot-like distance measurement, for example, optical proximity switches, are not covered by this document.

Keel: en
Alusdokumendid: 44/1016/CDV; prEN IEC 61496-3:2023
Asendab dokumenti: EVS-EN IEC 61496-3:2019

Arvamusküsitluse lõppkuupäev: 26.02.2024

33 SIDETEHNIKA

EN 61850-10:2013/prA1:2023

Communication networks and systems for power utility automation - Part 10: Conformance testing

Amendment to EN 61850-10:2013

Keel: en
Alusdokumendid: EN 61850-10:2013/prA1:2023; IEC 61850-10/AMD1 ED2 (57/2628/CDV)
Muudab dokumenti: EVS-EN 61850-10:2013

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 61169-23:2023

Radio-frequency connectors - Part 23: Pin and socket connector for use with 3.5 mm rigid precision coaxial lines with inner diameter of outer conductor of 3.5 mm (0.1378 in)

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for pin and socket connector for use with 3,5 mm rigid precision coaxial lines with inner diameter of outer conductor 3,5 mm (0,1378 in). This document prescribes mating face dimensions for high performance connectors – grade 1, dimensional details of standard test connectors-grade 0, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series 3,5mm RF connectors. This document indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H. These connectors are constructed so as to affix on the 50Ω, 3,5 mm rigid precision coaxial line described in IEC 457-5,and to provide low reflection to 34 GHz. These connectors can be intermated with SMA (IEC 61169-15) and 2,92 mm (IEC 61169-35) connectors. NOTE: Metric dimension are original dimensions. All undimensioned pictorial configurations are for reference purpose only.

Keel: en
Alusdokumendid: 46F/655/CDV; prEN IEC 61169-23:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN IEC 62657-2:2023

Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management

This part of IEC 62657: • specifies the fundamental assumptions, concepts, parameters, and procedures for wireless communication coexistence; • specifies coexistence parameters and how they are used in an application requiring wireless coexistence; • provides guidelines, requirements, and best practices for wireless communication's availability and performance in an industrial automation plant; it covers the life-cycle of wireless communication coexistence; • helps the work of all persons involved with the relevant responsibilities to cope with the critical aspects at each phase of life-cycle of the wireless communication coexistence management in an industrial automation plant. Life-cycle aspects include: planning, design, installation, implementation, operation, maintenance, administration and training; • provides a common point of reference for wireless communication coexistence for industrial automation sites as a homogeneous guideline to help the users assess and gauge their plant efforts; • deals with the operational aspects of wireless communication coexistence regarding both the static human/tool-organization and the dynamic network self-organization. This document provides a major contribution to national and regional regulations. It does not exempt devices from conforming to all requirements of national and regional regulations.

Keel: en
Alusdokumendid: 65C/1278/CDV; prEN IEC 62657-2:2023

Asendab dokumenti: EVS-EN IEC 62657-2:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

35 INFOTEHNOLOOGIA

prEN IEC 62657-2:2023

Industrial networks - Coexistence of wireless systems - Part 2: Coexistence management

This part of IEC 62657: • specifies the fundamental assumptions, concepts, parameters, and procedures for wireless communication coexistence; • specifies coexistence parameters and how they are used in an application requiring wireless coexistence; • provides guidelines, requirements, and best practices for wireless communication's availability and performance in an industrial automation plant; it covers the life-cycle of wireless communication coexistence; • helps the work of all persons involved with the relevant responsibilities to cope with the critical aspects at each phase of life-cycle of the wireless communication coexistence management in an industrial automation plant. Life-cycle aspects include: planning, design, installation, implementation, operation, maintenance, administration and training; • provides a common point of reference for wireless communication coexistence for industrial automation sites as a homogeneous guideline to help the users assess and gauge their plant efforts; • deals with the operational aspects of wireless communication coexistence regarding both the static human/tool-organization and the dynamic network self-organization. This document provides a major contribution to national and regional regulations. It does not exempt devices from conforming to all requirements of national and regional regulations.

Keel: en
Alusdokumendid: 65C/1278/CDV; prEN IEC 62657-2:2023
Asendab dokumenti: EVS-EN IEC 62657-2:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 13143-1

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 12813 - Part 1: Test suite structure and test purposes (ISO/DIS 13143-1:2023)

This document specifies the test suite structure (TSS) and test purposes (TPs) for evaluating the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 12813. It provides a basis for conformance tests for dedicated short-range communication (DSRC) OBE and RSE to support interoperability between different equipment supplied by different manufacturers. ISO 12813 defines requirements on the compliance check communication (CCC) interface level, but not for the RSE or OBE internal functional behaviour. Consequently, tests regarding OBE and/or RSE functional behaviour remain outside the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 13143-1; prEN ISO 13143-1
Asendab dokumenti: EVS-EN ISO 13143-1:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 16484-4

Building automation and control systems (BACS) - Part 4: Control applications (ISO/DIS 16484-4:2023)

This document specifies control applications and function blocks focusing on but not limited to lighting, solar protection, and HVAC applications. It describes how energy performance, comfort, and operational requirements of buildings are translated into functional specifications for integrated plant and room control.

Keel: en
Alusdokumendid: ISO/DIS 16484-4; prEN ISO 16484-4
Asendab dokumenti: EVS-EN 17609:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

45 RAUDTEETEHNIKA

prEN 50388-2:2023

Fixed installations and rolling stock for railway applications - Technical criteria for the coordination between electric traction power supply systems and rolling stock to achieve interoperability - Part 2: Stability and harmonics

This document is linked to EN 50388 1:2022, which describes the general technical criteria for the coordination between power supply and rolling stock to achieve interoperability. This Part 2 establishes the acceptance criteria according to EN 50388 1:2022, 10.2 for compatibility between traction units and power supply, in relation to: — co-ordination between controlled elements and also between these elements and resonances in the electrical infrastructure in order to achieve network system stability. — co-ordination of harmonic behaviour with respect to excitation of electrical resonances. The following electric traction systems are within scope: — railways; — guided mass transport systems that are integrated with railways; — material transport systems that are integrated with railways. Public three-phase grid networks are out of scope, but grid networks which are dedicated to railways are included. This document is applied in accordance with the requirements in EN 50388 1:2022, Clause 10. It does not apply retrospectively to rolling stock or railway power supply elements already in service. It is the aim of this Part 2 to support acceptance of new elements (rolling stock or infrastructure) by specifying precise requirements and methods for demonstration of compliance. This document acts as “code of practice” quoted in EN 50388 1, 10.2. However, it is still admissible to use the process as defined in EN 50388 1:2022, 10.3 instead. This version of the standard only applies to AC systems. Later versions might include similar

effects in DC networks in addition, see Annex D. The main phenomena identified and treated in this document are: — electrical resonance stability. — low frequency stability. — overvoltages caused by harmonics. The interaction with signalling (including track circuits) is not dealt with in this document.

Keel: en
Alusdokumendid: prEN 50388-2:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 9466
Railway Applications - Painting of passenger rail vehicles (ISO/DIS 9466:2023)

This document defines the performance requirements and acceptance criteria for paint used in the railway sector for passenger rail vehicles and their locomotives. It also provides guidelines for the use of a paint applicator to describe its painting processes, product selection, surface preparation, coating application, verification and inspection methods, repairs, and tests to obtain the minimum performances for the final product. This document applies to all types of paints used on: - railway vehicle bodies; - on-board equipment and constituent parts.

Keel: en
Alusdokumendid: ISO/DIS 9466; prEN ISO 9466

Arvamusküsitluse lõppkuupäev: 26.02.2024

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 4800-001
Aerospace series - Titanium and titanium alloys - Technical specification - Part 001: Plate, sheet and strip

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy plate, sheet and strip. It is applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-001
Asendab dokumenti: EVS-EN 4800-001:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 4800-002
Aerospace series - Titanium and titanium alloys - Technical specification - Part 002: Bar and section

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy bar and section. It is applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-002
Asendab dokumenti: EVS-EN 4800-002:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 4800-003
Aerospace series - Titanium and titanium alloys - Technical specification - Part 003: Tube

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy tube. It is applied when referred to and in conjunction with the EN material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-003
Asendab dokumenti: EVS-EN 4800-003:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 4800-004
Aerospace series - Titanium and titanium alloys - Technical specification - Part 004: Wire

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy wire. It is intended to be applied when referred to and in conjunction with the European material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-004
Asendab dokumenti: EVS-EN 4800-004:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 4800-005

Aerospace series - Titanium and titanium alloys - Technical specification - Part 005: Forging stock

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy forging stock. It is intended to be applied when referred to and in conjunction with the European material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-005
Asendab dokumenti: EVS-EN 4800-005:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 4800-007

Aerospace series - Titanium and titanium alloys - Technical specification - Part 007: Remelting stock

This document specifies the requirements for the ordering, manufacture, testing, inspection and delivery of titanium and titanium alloy remelting stock. It is intended to be applied when referred to and in conjunction with the European material standard unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4800-007
Asendab dokumenti: EVS-EN 4800-007:2010

Arvamusküsitluse lõppkuupäev: 26.02.2024

67 TOIDUAINETE TEHNOLOOGIA

EN IEC 63169:2020/prA1:2023

Electrical household and similar cooling and freezing appliances - Food preservation

Amendment to EN IEC 63169:2020

Keel: en
Alusdokumendid: EN IEC 63169:2020/prA1:2023; IEC 63169/AMD1 ED1 (59M/163/CDV)
Muudab dokumenti: EVS-EN IEC 63169:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 18032

Foodstuff - Quick Method for the Analysis of Multiple Highly Polar Pesticides and their Metabolites in Foodstuff Involving Extraction with Acidified Methanol and Measurement by LC- or IC-MS/MS (QuPPe-Method)

This document specifies a procedure for the analysis of residues of highly polar pesticides and metabolites, which are not amenable to common multiresidue methods, in various food commodities of plant and animal origin, including fruits, vegetables, cereals, pulses, oily seeds, nuts, milk, liver and honey. The method was developed at the EURL-SRM hosted at CVUA Stuttgart and has been collaboratively studied on a large number of commodity/pesticide combinations. Guidelines for calibration are outlined in CEN/TS 17061:2019.

Keel: en
Alusdokumendid: prEN 18032

Arvamusküsitluse lõppkuupäev: 26.02.2024

71 KEEMILINE TEHNOLOOGIA

prEN 901

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

This document is applicable to sodium hypochlorite used for treatment of water intended for human consumption. It describes the characteristics of sodium hypochlorite and specifies the requirements and the corresponding test methods for sodium hypochlorite. It gives information on its use in water treatment. It also determines the rules relating to safe handling and use of sodium hypochlorite (see Annex B). NOTE While this document is not applicable to sodium hypochlorite generated in situ (see bibliographic reference [7]), the limits for impurities and chemical parameters apply.

Keel: en
Alusdokumendid: prEN 901
Asendab dokumenti: EVS-EN 901:2013

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 17730

Dentistry - Fluoride varnishes (ISO/DIS 17730:2023)

This document specifies requirements and test methods for total digestible fluoride content and a minimum soluble fluoride release potential in dental varnishes containing fluoride, intended for use in the oral cavity directly on the outer surfaces of teeth and fillings. It also specifies packaging and labelling requirements, including the instructions for use. This document covers fluoride varnishes to be applied by dental health care workers.

Keel: en
Alusdokumendid: ISO/DIS 17730; prEN ISO 17730
Asendab dokumenti: EVS-EN ISO 17730:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 23675

Cosmetics - Sun protection test Methods - In Vitro determination of Sun Protection Factor (SPF) (ISO/DIS 23675:2023)

This International Standard specifies a method for the in vitro determination of Sun Protection Factor. This International standard is applicable to sunscreen products with an emulsion chassis, which are intended to be placed in contact with human skin.

Keel: en
Alusdokumendid: ISO/DIS 23675; prEN ISO 23675

Arvamusküsitluse lõppkuupäev: 26.02.2024

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 16726

Gas infrastructure - Quality of gas - Group H

This European standard specifies gas quality characteristics, parameters and their limits, for gases classified as group H that are to be transmitted, injected into and from storages, distributed and utilized. NOTE For information on gas families and gas groups see EN 437. This European standard does not cover gases conveyed on isolated networks. For biomethane, additional requirements indicated in prEN 16723 1 apply.

Keel: en
Alusdokumendid: prEN 16726
Asendab dokumenti: EVS-EN 16726:2015+A1:2018

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 18051

Automotive fuels - Determination of content of butoxy-benzene in middle distillates - Gas chromatographic method using a flame ionization detector (GC-FID)

This document specifies a test method for the determination of the content of n-butyl phenyl ether (BPE, also known as butoxy-benzene) in gas oils, kerosene, diesel fuel and biodiesel blends. The method uses a two-column gas chromatograph with an FID-type of detector. The application range is 0,1 mg/l to 21,25 mg/l of BPE, with a limit of detection of 0,05 mg/l. NOTE This corresponds to 1 % to 150 % of the average marking level of the ACCUTRACE™ Plus required by Commission Implementing Decision (EU) 2022/197 [1] of 17 January 2022 establishing a common fiscal marker for gas oils and kerosene. The method is found to be applicable to determinations beyond this range or for specific other chemical markers that fall within the distillation temperature range of middle-distillates, but for that no precision has been determined. WARNING —The use of this document may 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 establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: prEN 18051

Arvamusküsitluse lõppkuupäev: 26.02.2024

77 METALLURGIA

prEN ISO 13947

Metallic powders - Test method for the determination of non-metallic inclusions in metal powders using a powder-forged specimen (ISO/DIS 13947:2023)

This document specifies a metallographic method for determining the non-metallic inclusion level in metal powders using a powder-forged specimen. The test method covers repress powder-forged test specimens in which there has been minimal lateral flow (<1 %). The core region of the powder-forged test specimen must not contain porosity detectable at 100x magnification. This test method can also be used to determine the non-metallic inclusion content of powder-forged steel parts. However, in parts where there has been a significant amount of material flow, the nearneighbour separation distance needs to be changed, or the inclusion sizes agreed between the parties need to be adjusted. This test method is not suitable for determining the non-metallic inclusion level of parts that have been forged such that the core region contains porosity. At the magnification used for this test method, residual porosity is hard to distinguish from inclusions. Too much residual porosity makes a meaningful assessment of

the inclusion population impossible. This test method can also be applied to materials that contain manganese sulphide (admixed or prealloyed), provided the near-neighbour separation distance is changed from 30 µm to 15 µm.

Keel: en
Alusdokumendid: prEN ISO 13947; ISO/DIS 13947:2023

Arvamusküsitluse lõppkuupäev: 26.02.2024

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

prEN ISO 20182

Refractory test-piece preparation - Gunning refractory panels by the pneumatic-nozzle mixing type guns (ISO/DIS 20182:2023)

his International Standard describes the procedure for the preparation of test panels from refractory materials by gunning through pneumatic nozzle mixing type guns at ambient temperatures. The test pieces are for the determination of properties on as-gunned products prepared under either “standard conditions” (as required for quality assurance or product development) or “site conditions”. In the case of “site conditions”, the purpose of the testing is to establish the properties pertaining to a given installation or a given set of installation conditions. In this case, the panel is obtained during the on-site installation. Such parameters as ambient temperature, gunning elevation, air pressure and curing conditions (temperature, orientation of the panel) applying during the preparation of the panel are as near as possible to the same parameters pertaining to the site installation. This International Standard does not apply to plastic gunning mixes and might not apply to those mixes that contain aggregates that are susceptible to hydration. It also does not apply to shotcrete type mixes. (These are dealt with in ISO 18886, “Refractory test-piece preparation – Gunning refractory panels by wet gunning techniques.”).

Keel: en
Alusdokumendid: ISO/DIS 20182; prEN ISO 20182
Asendab dokumenti: EVS-EN ISO 20182:2008

Arvamusküsitluse lõppkuupäev: 26.02.2024

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 19397

Paints and varnishes - Determination of the film thickness of coatings using an ultrasonic gauge (ISO/DIS 19397:2023)

ISO/TS 19397:2015 describes a method for determining the film thickness of coatings on metallic and non-metallic substrates using an ultrasonic gauge.

Keel: en
Alusdokumendid: ISO/DIS 19397; prEN ISO 19397
Asendab dokumenti: CEN ISO/TS 19397:2018

Arvamusküsitluse lõppkuupäev: 26.02.2024

91 EHITUSMATERJALID JA EHITUS

prEN 12480

Gas meters - Rotary displacement gas meters

This document specifies ranges, construction, performances, output characteristics and testing of rotary displacement gas meters (hereinafter referred to as RD meters or simply meters) for gas volume measurement. This document applies to rotary displacement gas meters used to measure the volume of fuel gases of at least the 1st, 2nd and 3rd gas families, the composition of which is specified in EN 437:2021, at a maximum working pressure up to and including 20 bar over an ambient and gas temperature range of at least −10 °C to +40 °C. This document applies to meters that are installed in locations with vibration and shocks of low significance (class M1) and in - closed locations (indoor or outdoor with protection as specified by the manufacturer) with condensing or with non-condensing humidity or, if specified by the manufacturer, - open locations (outdoor without any covering) with condensing humidity or with non-condensing humidity, and in locations with electromagnetic disturbances (class E1 and E2). The standards apply to mechanical meters with mechanical index, electronic devices are not covered by this document. Unless otherwise specified in this document: - all pressures used are gauge; - all influence quantities, except the one under test, are kept relatively constant at their reference value. This document applies to meters with a maximum allowable pressure PS and the volume V of less than 6 000 bar · L or with a product of PS and DN of less than 3 000 bar. This document can be used for both pattern approval and individual meter testing. Cross-reference tables are given in: - Annex A for the tests that need to be undertaken for pattern approval; - Annex B for individual meter testing. Some parts of this document cover meters with mechanical index only. The risk philosophy adopted in this document is based on the analysis of hazards including pressure. The document applies principles to eliminate or reduce hazards. Where these hazards cannot be eliminated appropriate protection measures are specified.

Keel: en
Alusdokumendid: prEN 12480
Asendab dokumenti: EVS-EN 12480:2018

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 13381-7

Test methods for determining the contribution to the fire resistance of structural members - Part 7: Applied protection to timber members

This document specifies test methods for determining the contribution of fire protection kits to the fire resistance of structural timber members. Such fire protection kits include claddings, sprayed fire protection and reactive coatings. The method is applicable to all fire protection kits used for the protection of timber members. These can be fixed directly, totally or in part, to the timber member and can include an air gap between the fire protection kit and the timber member, as an integral part of its design. Evaluation of timber constructions protected by horizontal or vertical protective membranes are the subject of EN 13381 1 or EN 13381 2, respectively. The test method is applicable to the determination of the contribution of fire protection kits to the fire resistance of loadbearing timber structural members including floors, roofs, walls, beams and columns. This document contains the fire test which specifies the test to be carried out to determine the ability of the fire protection kit at a specified thickness to delay the temperature rise throughout the timber member, to determine the ability of the fire protection kit at a specified thickness to remain coherent and fixed to the timber member and to provide data for determining the charring rate of the protected test member, when exposed to the standard temperature/time curve according to the procedures defined herein. This document is not appropriated to classify the tested assembly according to EN 13501 2. The test to subject reactive protection material to a smouldering temperature time fire curve and the special circumstances for this are detailed in Annex G. The fire test methodology makes provision for the collection and presentation of data which can be used as direct input to the calculation of fire resistance of timber members in accordance with the procedures given in EN 1995 1 2. A description of the relationship of this test method and the assessment of the results obtained therefrom to EN 1995 1 2 and guidelines for the use of this test method in accordance with that standard are given in Annex B. This document also contains the assessment which indicates how the analysis of the test data should be made and gives guidance to the procedures by which interpolation should be undertaken. The limits of applicability of the results of the assessment arising from the fire test are defined, together with the direct application of the results to different timber constructions with the specified thickness and fixation of the applied fire protection kit tested.

Keel: en
Alusdokumendid: prEN 13381-7
Asendab dokumenti: EVS-EN 13381-7:2019

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 15027

Transportable wall saw and wire saw equipment for job site - Safety

The global description "wall saw and wire saw equipment" contains two differing types of machines for use in the construction industry, and both used to make cuts on walls, ceilings and floors composed of mineral construction materials and/or composite materials. The many different cutting tasks and choice of operating method determine the type of machine to be used for each application. The machines may therefore be split into the following two principal classifications: - Wall saws - exclusively rail guided - transportable. - Wire saws - transportable. The machines are intended for the use of diamond tools. The types of cutting tools used in conjunction with the machines as described above fall within the design and use parameters supplied by the manufacturer. Cutting debris generated by the cutting action is removed from the cutting joint by a medium such as water directed to the cutting tool. Machines covered by this standard may be powered by: electric motor, IC engine, electro-hydraulic drive and IC engine-hydraulic drive. This European Standard deals with all significant hazards, hazardous situations and events relevant to wall saws and wire saws machinery, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This standard specifies the appropriate technical measures to eliminate or reduce risks arising from the significant hazards generated by the cutting process work cycle. For special applications, for example, when working in potentially explosive atmospheres, additional safety requirements is necessary which are not covered by this standard. This European Standard does not apply for wire saws intended for quarrying and stationary machining of natural stone as covered by prEN 15163. This European Standard applies primarily to machines which are manufactured after the date of approval by CEN of this standard.

Keel: en
Alusdokumendid: prEN 15027
Asendab dokumenti: EVS-EN 15027:2007+A1:2009

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN 15129-1

Anti-seismic devices - Part 1: General design rules

This document covers the design of anti-seismic devices that are provided in structures, with the aim of modifying their response to the seismic action. It specifies functional requirements and general design rules of the anti-seismic devices for the seismic and non-seismic design situations, material characteristics, manufacturing and general testing requirements, as well as assessment and verification of constancy of performance, installation and maintenance requirements. This document covers the types of anti-seismic devices as defined in Clause 4. NOTE Additional information concerning the scope of this document is given in Part 2, Part 3, Part 4, Part 5 and Part 6 of this European Standard.

Keel: en
Alusdokumendid: prEN 15129-1
Asendab dokumenti: EVS-EN 15129:2018

Arvamusküsitluse lõppkuupäev: 26.02.2024

prEN ISO 16484-4

Building automation and control systems (BACS) - Part 4: Control applications (ISO/DIS 16484-4:2023)

This document specifies control applications and function blocks focusing on but not limited to lighting, solar protection, and HVAC applications. It describes how energy performance, comfort, and operational requirements of buildings are translated into functional specifications for integrated plant and room control.

Keel: en
Alusdokumendid: ISO/DIS 16484-4; prEN ISO 16484-4
Asendab dokumenti: EVS-EN 17609:2022

Arvamusküsitluse lõppkuupäev: 26.02.2024

97 OLME. MEELELAHUTUS. SPORT

EN IEC 63169:2020/prA1:2023

Electrical household and similar cooling and freezing appliances - Food preservation

Amendment to EN IEC 63169:2020

Keel: en
Alusdokumendid: EN IEC 63169:2020/prA1:2023; IEC 63169/AMD1 ED1 (59M/163/CDV)
Muudab dokumenti: EVS-EN IEC 63169:2020

Arvamusküsitluse lõppkuupäev: 26.02.2024

TÕLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

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

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

EVS-EN 50131-2-2:2021

Häiresüsteemid. Sissetungi- ja paanikahäire süsteemid. Osa 2-2: Nõuded passiivsetele infrapunaanduritele

See dokument on mõeldud hoonetesse paigaldatud passiivsete infrapunaandurite kohta ja sisaldab turvaklasse 1 kuni 4 (vt EN 50131-1), spetsiifilisi või mittespetsiifilisi juhtmega või traadita andureid ning kasutab keskkonnaklasse I–IV (vt EN 50130-5). See dokument ei sisalda nõudeid välitingimustes kasutamiseks mõeldud anduritele. Anduri eesmärk on tuvastada sissetungija kiiratav laia toimespektriga infrapunakiirgus, analüüsida sellest tulenevaid signaale ja tagada vajalik valik signaale või sõnumeid, mida ülejäänud sissetungihäiresüsteemkasutab. Kohaldatakse käesoleva dokumendi klassist sõltuvaid nõudeid ja on oluline, et andur vastaks kõigile kindlaksmääratud klassi nõuetele. Andurisse võib lisada käesolevas dokumendis täpsustatud kohustuslikele funktsioonidele täiendavaid funktsioone, tingimusel, et need ei mõjuta kohustuslike funktsioonide nõuetekohast toimimist. Käesolev dokument ei sisalda nõudeid komponentidevahelistele ühendustele.

Keel: et
Alusdokumendid: EN 50131-2-2:2021

Kommenteerimise lõppkuupäev: 27.01.2024

prEVS-ISO 6107

Vee kvaliteet. Terminoloogia

See dokument määratleb teatud veekvaliteedi iseloomustamise valdkondades kasutatavad terminid.

Keel: et
Alusdokumendid: ISO 6107:2021

Kommenteerimise lõppkuupäev: 27.01.2024

prEVS-ISO/IEC 27032

Küberturve. Internetiturbe juhised

See dokument esitab — Interneti turbe, veebiturbe, võrguturbe ja küberturbe vaheliste seoste seletuse; — ülevaate Interneti turbest; — huvipoolte piiritluse ja kirjelduse nende rollidest Interneti turbes; — üldjoonelised juhised tavaliste Interneti turvaküsimuste käsitluseks. See dokument on mõeldud Internetti kasutavatele organisatsioonidele.

Keel: et
Alusdokumendid: ISO/IEC 27032:2023

Kommenteerimise lõppkuupäev: 27.01.2024

prEVS-ISO/IEC 27035-2

Infotehnoloogia. Infoturvaintsidentide haldus. Osa 2: Juhised intsidentidele reageerimise kavandamiseks ja ettevalmistusteks

Käesolev dokument annab juhised intsidentidele reageerimise kavandamiseks ja ettevalmistamiseks ning kogemustest omandatu rakendamiseks intsidentidele reageerimisel. Juhised põhinevad infoturvaintsidentide halduse mudeli etappidel „kavandamine ja ettevalmistus“ ja „kogemused“, mis on esitatud standardis ISO/IEC 27035-1:2023 punktides 5.2 ja 5.6. Kavandamise ja ettevalmistuse etapi põhipunktid on: — koostada ja dokumenteerida infoturvaintsidentide haldamise poliitikad ning kehtestada tippjuhtkonna kohustumus, — uuendada infoturvapoliitika, sealhulgas riskijuhtimisega seotud poliitika nii organisatsiooni kui ka süsteemi, teenuste ja võrgu tasandil, — luua infoturvaintsidentide halduskava, — määrata kindlaks intsidendi reageerimisrühm, — luua ja säilitada asjakohaseid suhted ja sidemed sise- ja välisorganisatsioonidega, — tehniline ja muu toetus (sh organisatsiooniline ja käidutugi), — infoturvaintsidentide haldamise teadlikkuse tõstmise ja koolituse programmid. Kogemustest õppimise etapi põhipunktid on: — parendusvaldkondade tuvastamine, — vajalike parenduste tuvastamine ja rakendamine, — intsidendi reageerimisrühma hindamine. Käesolevas dokumendis antud juhised on üldised ja mõeldud kohaldamiseks kõikidele organisatsioonidele, olenemata tüübist, suurusest või olemusest. Organisatsioonid saavad selles dokumendis antud juhiseid kohandada vastavalt nende tüübile, suurusele ja äritegevuse iseloomule seoses infoturvariski olukorraga. See dokument kehtib ka infoturvaintsidentide haldusteenuseid pakkuvate väliste organisatsioonide kohta.

Keel: et
Alusdokumendid: ISO/IEC 27035-2:2023

Kommenteerimise lõppkuupäev: 27.01.2024

TEADE EUROOPA STANDARDI OLEMASOLUST

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

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

EN 1177:2018+A1:2023

Lööki nõrgendav mänguväljaku aluspinnakate. Katsemeetodid löögi nõrgendamise kindlaksmääramiseks
Impact attenuating playground surfacing - Methods of test for determination of impact attenuation

Eeldatav avaldamise aeg Eesti standardina 02.2024

EN 10088-3:2023

Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resistant steels for general purposes

Eeldatav avaldamise aeg Eesti standardina 02.2024

EN 13485:2023

Thermometers for measuring the ambient or internal temperature for the transport, storage and distribution of temperature sensitive goods - Tests, performance, suitability

Eeldatav avaldamise aeg Eesti standardina 02.2024

EN 13486:2023

Temperature recorders and thermometers for measuring the ambient or internal temperature for the transport, storage and distribution of temperature sensitive goods - Periodic verification

Eeldatav avaldamise aeg Eesti standardina 02.2024

EN ISO 3758:2023

Textiles - Care labelling code using symbols (ISO 3758:2023)

Eeldatav avaldamise aeg Eesti standardina 02.2024

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS 920-5:2023

Katuseehitusreeglid. Osa 5: Lamekatused
Requirements for roof building - Part 5: Flat roofs

See Eesti standard määratleb nõuded lamekatuste konstruktsiooni- ja sõlmlahenduste ehitamiseks ning peamised nõuded lamekatustel kasutavatele materjalidele. See Eesti standard määrab nõuded toodetele ja paigalduslahendustele nende kasutamiseks tavalistes ekspluatatsioonitingimustes ettemääratud minimaalseks tööeaks. Lamekatuseks nimetatakse kokkuleppeliselt katuseid, mille kalle on 1 : 10 või sellest väiksem. Lamekatused on üldjuhul kaetud rullmaterjaliga või muu katkematu hüdroisolatsiooniga. See Eesti standard on mõeldud juhindumiseks lamekatuste paigaldajatele, üldehitajatele, materjalide tootjatele, projekteerijatele, arhitektidele, ehitusjärelevalvele, ekspertidele ja lõpptarbijatele. Katusehooldust käsitletakse standardis EVS 920-1.

EVS-EN 10278:2023

Roostevabast ja teistest eriterastest haljaste terastoodete mõõtmed ja tolerantsid
Dimensions and tolerances of bright steel products of stainless and other special steels

See dokument kehtib haljastele terastoodetele tõmmatud, treitud või lihvitud tingimustel, mis tarnitakse sirgete pikitoodetena. Seda dokumenti kohaldatakse peamiselt standardi EN 10088-3 roostevabadele terastele ja muudele tootestandarditele, nt tööriistaterased, rull-laagriterased. Seda dokumenti saab kasutada ka külmvormstantsimise teraste jaoks varraste ja traadi kujul; traadi puhul rakenduvad paksus ja selle tolerantsid, kuid pikkus ja sirgsus ei rakendu. Standardile EN 10277 vastavad legeerimata ja legeeritud terased ei kuulu enam selle dokumendi käsitlusalasse. See dokument ei hõlma külmvaltsitud tooteid ja mõõtulõigatud tooteid, mis on valmistatud ribast või lehest lõikamisega.

EVS-EN 1097-1:2023

Täitematerjalide mehaaniliste ja füüsikaliste omaduste katsetamine. Osa 1: Kulumiskindluse määramine (mikro-Deval)
Tests for mechanical and physical properties of aggregates - Part 1: Determination of the resistance to wear (micro-Deval)

See dokument spetsifitseerib jämetäitematerjali (standardi põhiosa) ja raudtee ballastina kasutatava täitematerjali (lisa A) kulumiskindluse määramise põhimeetodi mikro-Devali seadmega tüübikatsete ja lahkarvamuste puhul. Muudel juhtudel, näiteks tehase tootmisohjes, võib kasutada muid meetodeid juhul, kui enne on kindlaks määratud kasutatava meetodi suhestumine asjakohase põhimeetodiga. See dokument kehtib looduslike, toodetud, taaskasutatavate või kergtäitematerjalide puhul. MÄRKUS See dokument ei ole kasutatav mõnede kergtäitematerjalide tüüpide puhul. Põhimeetodi katse tehakse vee lisamisega. Lisas B on esitatud üksikasjad selle kohta, kuidas katset saab teha ilma vett lisamata. Lisa A esitab meetodi raudtee ballastina kasutatava täitematerjali kulumiskindluse määramiseks abrasiivset lisandit kasutamata. Lisas C on toodud katsemeetod, mis kasutab alternatiivset liigitust kitsasteks fraktsioonideks. Lisad D ja E kirjeldavad peentäitematerjali kulumiskindluse määramise meetodeid. Põhimeetodi täpsust puudutavad andmed on antud lisas F. Lisa A on normlisa ning lisad B, C, D, E ja F on teatmelisad. HOIATUS – Selle EN 1097 osa kasutamine võib hõlmata ohtlikke materjale, toiminguid ja seadmeid (nt tolm, müra ja raskete asjade tõstmine). Dokumendi eesmärk ei ole käsitleda kõiki selle kasutamisega seotud ohutus- või keskkonnaprobleeme. Selle dokumendi kasutajad vastutavad asjakohaste meetmete rakendamise eest, et tagada personali ohutus ja tervis ning keskkonnakaitse enne selle dokumendi rakendamist ning täita selleks seadusandlikke ja normatiivseid nõudeid.

EVS-EN 15267-1:2023

Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 1: Sertifitseerimise üldpõhimõtted
Air quality - Assessment of air quality monitoring equipment - Part 1: General principles of certification

Seda dokumenti kohaldatakse AQME sertifitseerimisele välisõhu kvaliteedi ja paiksetest allikatest pärinevate heitkoguste seire asjus, millele kehtivad suutlikkuskriteeriumid ja katsemenetlused on kättesaadavad Euroopa standardites. See standard täpsustab ja täiendab EN ISO/IEC 17065 nõudeid AQME-d sertifitseerivatele asutustele. Selles täpsustatakse nõudeid katselaboritele, samuti tootja kvaliteedijuhtimissüsteemile (QMS) ja tootmisprotsessi järelevalvele ühe osana sertifitseerimisprotsessist. See dokument kehtib ainult koos standardiga EN ISO/IEC 17065.

EVS-EN 15267-2:2023

Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 2: Tootja kvaliteedijuhtimissüsteemi esmane hindamine ja tootmisprotsessi sertifitseerimise järgne järelevalve

Air quality - Assessment of air quality monitoring equipment - Part 2: Initial assessment of the manufacturer's quality management system and post certification surveillance for the manufacturing process

Selles dokumendis täpsustatakse nõudeid tootja kvaliteedijuhtimissüsteemile (QMS). Lisaks täpsustatakse nõudeid tootja tootmisohje esialgsele hindamisele ja jätkuvale järelevalvele hilisemate muudatuste mõju üle sertifitseeritud õhukvaliteedi seireseadmete (AQME) suutlikkusele. Seda dokumenti kasutatakse ka viitedokumendina tootja QMS-i auditeerimisel. See standard kehtib ainult koos standardiga EN ISO 9001.

EVS-EN 50470-4:2023

Elektrimõõteseadmed. Osa 4: Erinõuded. Staatilised alalisvoolu aktiivenergia arvestid (klassid A, B ja C)

Electricity metering equipment - Part 4: Particular requirements - Static meters for DC active energy (class indexes A, B and C)

See dokument kehtib ainult staatilistele vatt-tunni arvestitele täpsusklassidega A, B ja C, mida kasutatakse alalisvoolu aktiivenergia mõõtmiseks alalisvoolusüsteemides, sh nende arvestite tüübikatsetuste kohta. MÄRKUS 1 Arvesti üldnõuete, sealhulgas ehituse, elektromagnetilise ühilduvuse, ohutuse, usaldatavuse jne kohta vt vastava ala standardisari EN 62052 või EN 62059. See dokument kehtib elektrienergiat arvestavatele seadmetele, mis on kavandatud — elektrienergia mõõtmiseks ja juhtimiseks alalisvoolu elektrivõrkudes kuni pingeni 1500 V; MÄRKUS 2 Maandamata alalisvooluallikatele ja kolmejuhilistele alalisvooluvõrkudele ettenähtud arvestid on selle dokumendi käsitlusalas. — moodustama terviklikku arvestit koos mõõdetavate suuruste legaalmetroloogiliselt kontrollitava näidikuga; MÄRKUS 3 Siin sisalduvad ka eraldiseisvatest osadest koostatud elektriarvestid, mida on kirjeldatud dokumendis WELMEC Guide 11.7:2017. — töötama arvestisse integreeritud või eraldiseisvate legaalmetroloogiliselt kontrollitavate näidikutega; — valikuliselt pakkuma ka muid lisafunktsioone peale elektrienergia mõõtmisega seonduvate. Neid saab kasutada alalisvoolu elektrienergia mõõtmiseks, sealhulgas järgmistes rakendusvaldkondades: — elektrisõidukite (EV, electrical vehicle) laadimisjaamades või elektrisõidukite laadimise infrastruktuuris, mida nimetatakse ka elektrisõiduki toiteseadmeteks (EVSE, electric vehicle supply equipment), juhul kui energiat mõõdetakse alalisvoolu poolel; — päikeseenergia fotogalvaanilistes (PV, photovoltaic) süsteemides, kus mõõdetakse alalisvoolu energiatootmist; — elamu- või äripiirkondade madalpinge alalisvooluvõrkudes, kui energiat mõõdetakse alalisvoolu poolel, sealhulgas sarnased rakendused nt infotehnoloogia (IT, information technology) serveripargid või sideseadmete alalisvoolu toitepunktid; — ühistranspordivõrkude (nt trollibusside) alalisvoolu toitepunktides; — veo elektritoitega teesüsteemide (ERS, electric road systems) sõidukite mobiilsetes rakendustes. Väliste alalisvoolu (DC) mõõtetrafode, mõõtemuundurite või šuntidega töötamiseks ette nähtud arvestite vastavust sellele dokumendile saab testida vaid juhul, kui sellised arvestid testitakse koos nende mõõtetrafode, mõõtemuundurite või šuntidega ja need seejuures vastavad otseühendusega arvestite nõuetele. Selles dokumendis ja standardis EN IEC 62052-11:20211 toodud nõuded kehtivad arvestitele, mis on projekteeritud töötama koos väikse võimsusega alalisvoolu mõõtemuunduritega (DC LPIT) ja ka kehtivad arvestitele, mis on projekteeritud töötama väliste mõõtetrafode, mõõtemuundurite või šuntidega. MÄRKUS 4 Kaasaegsed elektriarvestid sisaldavad tavaliselt lisafunktsioone, nagu pinge amplituudi, voolu amplituudi, võimsuse jms mõõtmise funktsioone; elektrikvaliteedi parameetrite mõõtmise funktsioone; koormuse juhtimise funktsioone; tarne-, aja-, katse-, raamatupidamis- ja salvestusfunktsioone; andmesideliideseid ja nendega seotud andmeturbe funktsioone. Lisaks selle dokumendi nõuetele võivad nendele kohalduda vastavaid funktsioone käsitlevad asjakohased standardid. Nõuded sellistele funktsioonidele jäävad aga selle dokumendi käsitlusalast välja. MÄRKUS 5 Tootenõuded võimsuse mõõtmis- ja seireseadmetele (PMD, power metering and monitoring devices) ning mõõtmisfunktsioonidele, nagu pinge amplituudi, voolutugevuse amplituudi, võimsuse jne mõõtmine, on hõlmatud standardiga EN IEC 61557-12:2022[7]. Sellegipoolest pole standardile EN IEC 61557-12:2022[7] vastavad seadmed ette nähtud kasutamiseks arveldusarvestitena, välja arvatud juhul, kui need vastavad ka standardile EN IEC 62052-11:20211 ja sellele dokumendile. MÄRKUS 6 Nõuded alalisvoolu toitekvaliteedi (DC PQ, DC power quality) mõõteriistadele, alalisvoolu toitekvaliteedi mõõtmistehnikatele ja alalisvoolu toitekvaliteedi mõõteseadmete testimisele on arutluses ja määratletakse teiste standarditega. Seda dokumenti ei kohaldata — kantavatele arvestitele; MÄRKUS 7 Kantavad arvestid on arvestid, mis pole püsivalt ühendatud. — veeremis (raudtee rakendustes), laevades ja lennukites kasutatavatele arvestitele; MÄRKUS 8 Veeremi alalisvooluarvesteid käsitlevad teised standardid, nt standardisari EN 50463. — seadmetele laboratoorseteks katseteks ja arvestite testimiseks; — standardikohastele tugiarvestitele; — andmeliidestele ligipääsuks arvesti registrisse; — elektrimõõteseadmete paigalduspesadele või aparaadiraamidele; — kõikidele elektriarvesti lisafunktsioonidele. See dokument ei hõlma meetmeid arvesti tööjõudlust salaja kahjustava võltsimise tuvastamiseks ja vältimiseks. MÄRKUS 9 Sellegipoolest kehtivad konkreetsele turule asjakohased võltsimiste tuvastamise ja vältimise nõuded ning katsemeetodid tootja ja ostja vahelise kokkuleppe alusel. MÄRKUS 10 Pettuste tuvastamise ja ennetamise nõuete ja katsemeetodite detailne kirjeldamine oleks kahjulik, sest niisugused tehnilised kirjeldused annaksid juhiseid võimalikele petturitele. MÄRKUS 11 Eri turgudelt on teateid paljudest erinevatest arvestite töö salajase mõjutamisega seotud pettusejuhtumitest. Seepärast suurendaks kõikvõimalikke rikkumisi tuvastavate ja vältivate arvestite projekteerimine põhjendamatult nende projekteerimise, kontrollimise ja valideerimise kulusid. MÄRKUS 12 Arveldustes kasutatavad süsteemid, sh tarkade arvestitega mõõtesüsteemid, suudavad tuvastada ebakorrapäraseid tarbimismustreid ja tavapärasest erinevaid võrgukadusid, see omakorda võimaldab leida võltsimiskahtlusega arvesteid. MÄRKUS 13 See dokument ei määratle emissiooninõudeid. Need on määratud standardi EN IEC 62052-11:20211 jaotises 9.3.14. MÄRKUS 14 Elektrisõidukite toiteseadmete (EVSE) elektriarvestite mõned aspektid, mida kavatsetakse käsitleda tehnilise komitee CLC/TC 13 (EN 50732) töörühma WG 03 poolt uutes dokumentides, võidakse selle standardi tulevastest versioonidest eemaldada.

EVS-EN IEC 62722-1:2022

Valgusti toimivus. Osa 1: Üldnõuded
Luminaire performance - Part 1: General requirements (IEC 62722-1:2022)

See standardisarja IEC 62722 osa käsitleb konkreetseid toimivus- ja keskkonnanõudeid valgustitele, mis sisaldavad toitepingel kuni 1000 V töötavaid elektrilisi valgusallikaid. Selle dokumendi käsitlusalas esitatud toimivusnäitajad on uutele toodetud valgustitele, mis on läbinud kõik kindlaksmääratud esialgsed vanandamisprotseduurid, kui ei ole esitatud teisiti. See dokument hõlmab valgustitele esitatavaid nõudeid energiatõhusaks kasutamiseks ja vastutustundliku keskkonnajuhtimise toetamiseks kuni nende eluea lõpuni. Selle dokumendi eesmärk on pakkuda nõuete kogumit, mis üldiselt oleks kohaldatav enamikule valgustitüüpidele. Kui konkreetsete valgusallika tüüpide tarbeks on vajalik täiendav toimivusnõuete määratlemine, on need esitatud standardisarjas IEC 62722-2. Standardisari IEC 62722-2 võib samuti hõlmata laiemat toimivusnäitajate aspekte, mis on sobilik kindlale valgusallika tehnoloogiale. Selle dokumendi käsitlusalasse ei kuulu poolvalgustid. Mõne valgustitüübi (nt dekoratiivsed või kodumajapidamises kasutatavad) puhul ei ole selle dokumendi käsitlusalas määratud toimivusnäitajate esitamine asjakohane.

EVS-HD 60364-7-716:2023

Madalpingelised elektripaigaldised. Osa 7-716: Nõuded eripaigaldistele või -paikadele. Väikepingeline alalisvoolujaotus info- ja sidetehnika kaablitaristu kaudu
Low-voltage electrical installations - Part 7-716: Requirements for special installations or locations – ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)

Standardi IEC 60364 see osa määrab kindlaks nõuded elektripaigaldistele väikepingelise alalisvoolu jaotamiseks, kasutades sümmeetrilisi sidekaableid ja peamiselt andmeedastuseks mõeldud tarvikuid, nagu on määratletud standardi ISO/IEC 11801-1 kanalite kategooriana, kasutades toiteallikana standardile IEC 62368-3 vastavaid seadmeid. Lisatud on nõuded telekommunikatsioonitaristu projekteerimisele, püstitamisele ja kontrollimisele nii telekommunikatsiooni kui ka väikepingelise alalisvoolu jaotamise eesmärgil. Täiendavalt on lisatud nõuded olemasoleva telekommunikatsioonitaristu kasutamisele väikepingelise alalisvoolu jaotamiseks. Toiteedastussüsteemid hõlmavad, kuid ei ole nendega piiratud, standardiga IEEE 802.3 määratletud Etherneti toiteedastussüsteeme (ingl Power over Ethernet). See dokument ei kehti kaablite ja tarvikute kasutamise kohta tuumik- ja juurdepääsuvõrkudes, näiteks privaatjaamades (ingl private branch exchange, PBX).

STANDARDIPEALKIRJADE MUUTMINE

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

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 15267-1:2023	Air quality - Assessment of air quality monitoring equipment - Part 1: General principles of certification	Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 1: Sertifitseerimise üldpõhimõtted
EVS-EN 15267-2:2023	Air quality - Assessment of air quality monitoring equipment - Part 2: Initial assessment of the manufacturer's quality management system and post certification surveillance for the manufacturing process	Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 2: Tootja kvaliteedijuhtimissüsteemi esmane hindamine ja tootmisprotsessi sertifitseerimise järgne järelevalve
EVS-EN IEC 62722-1:2022	Luminaire performance - Part 1: General requirements (IEC 62722-1:2022)	Valgusti toimivus. Osa 1: Üldnõuded

UUED HARMONEERITUD STANDARDID

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

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

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

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

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

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

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2014/35/EL
Madalpinge
(Komisjoni rakendusotsus (EL) 2023/2723)
(EL Teataja 2023/L 13.12.2023)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 60335-2-30:2010/A2:2022 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-30: Erinõuded ruumikütteseadmetele	17.03.2023		
EVS-EN 60598-2-11:2013/A1:2022 Valgustid. Osa 2-11: Erinõuded. Akvaariumivalgustid	17.03.2023		
EVS-EN 60598-2-11:2013+A1:2022 Valgustid. Osa 2-11: Erinõuded. Akvaariumivalgustid	17.03.2023		
EVS-EN 62423:2012+A11+A12:2022 Majapidamises ja muuks taoliseks kasutamiseks ette nähtud, tüüpidesse F ja B kuuluvad rikkevoolukaitselülitid sisseehitatud liigvoolukaitsega või ilma selleta	17.03.2023		
EVS-EN IEC 60335-2-24:2022 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-24: Erinõuded külmutusseadmetele, jäätise- ja jäävalmistitele	13.12.2023	EN 60335-2-24:2010; EN 60335-2-24:2010/ A1:2019;EN 60335-2-24:2010/A11:2020;EN 60335-2-24:2010/A2:2019	13.06.2025
EVS-EN IEC 60335-2-24:2022/A11:2022 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-24: Erinõuded külmutusseadmetele, jäätise- ja jäävalmistitele	13.12.2023		
EVS-EN IEC 60335-2-24:2022+A11:2022 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-24: Erinõuded külmutusseadmetele, jäätise- ja jäävalmistitele	13.12.2023		13.06.2025