

EVS Teataja

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Uued Eesti standardid

Standardikavandite **arvamusküsitlus**

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite **tõlked kommenteerimisel**

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

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01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 17677-1:2021

Resistance welding - Vocabulary - Part 1: Spot, projection and seam welding (ISO 17677-1:2021)

This document establishes a vocabulary of terms and definitions for resistance spot welding, projection welding and seam welding. NOTE In addition to terms used in English and French, two of the three official ISO languages, this document gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

Keel: en

Alusdokumendid: ISO 17677-1:2021; EN ISO 17677-1:2021

Asendab dokumenti: EVS-EN ISO 17677-1:2019

EVS-EN ISO 22300:2021

Security and resilience - Vocabulary (ISO 22300:2021)

This document defines terms used in security and resilience standards.

Keel: en

Alusdokumendid: ISO 22300:2021; EN ISO 22300:2021

Asendab dokumenti: EVS-EN ISO 22300:2018

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

CLC/TS 50459-1:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

This document describes how ERTMS and non-ERTMS information will be arranged and displayed from an ergonomic point of view. More specifically, it covers information that is out of the scope of ERA_ERTMS_015560. This document describes more ergonomic details than currently provided by the ERTMS/GSM-R specifications. This document defines the ergonomics for the Driver-Machine Interface (DMI) for the following applications: - stand-alone ERTMS/GSM-R Train Radio Systems; - non-ERTMS/ETCS Train Control Systems; - other technical systems currently provided on the rolling stock. The ergonomics covers: - the general arrangements (dialogue structure, sequences, layout philosophy, colour philosophy), - the symbols, - the audible information, - the data entry arrangements. This document is limited to ergonomic considerations and does not define the technology to be used for the implementation but it does give guidelines about how to implement the requirements using different technology types (soft keys, touch screen device, LCD, electromechanical instruments, indicator lamps, etc.). This document is applicable to all trains fitted with the ERTMS/ETCS and also to trains fitted with train radio (GSM-R) DMI. The scope of this document is to define ergonomic principles for the interface between the driver and the above listed applications. TDD is out of scope of the CLC/TS 50459 series. For human factor items, such as display of information, display location, viewing angles and organization of the screens, see EN 16186 series.

Keel: en

Alusdokumendid: CLC/TS 50459-1:2021

Asendab dokumenti: CLC/TS 50459-1:2015

CLC/TS 50459-2:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 2: Ergonomic arrangements of GSM-R information

This document describes from an ergonomic point of view how GSM-R information will be arranged and displayed. More specifically it covers information that is out of the scope of ERA document ERA_ERTMS_015560. This document describes more ergonomic details than currently provided by the GSM-R specifications. This document defines the ergonomics for the Driver-Machine Interface (DMI) for the stand alone ERTMS/GSM-R Voice Radio Systems.

Keel: en

Alusdokumendid: CLC/TS 50459-2:2021

Asendab dokumenti: CLC/TS 50459-2:2015

CLC/TS 50459-3:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 3: Ergonomic arrangements of non ETCS information

This document describes from an ergonomic point of view how non ETCS information are arranged and displayed on the CCD. More specifically, it covers information that is not within the scope of ERA document ERA_ERTMS_015560. This document describes two possible technologies for implementing the ETCS DMI namely touch screen and soft key. National systems not

integrated within ETCS DMI are not within the scope of this document. Redundancy concepts are not within the scope of this document.

Keel: en

Alusdokumendid: CLC/TS 50459-3:2021

Asendab dokumenti: CLC/TS 50459-3:2016

EVS-EN ISO 22300:2021

Security and resilience - Vocabulary (ISO 22300:2021)

This document defines terms used in security and resilience standards.

Keel: en

Alusdokumendid: ISO 22300:2021; EN ISO 22300:2021

Asendab dokumenti: EVS-EN ISO 22300:2018

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 21187:2021

Milk - Quantitative determination of microbiological quality - Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results (ISO 21187:2021)

This document gives guidelines for the establishment of a conversion relationship between the results of an alternative method and an anchor method, and its verification for the quantitative determination of the microbiological quality of milk. NOTE The conversion relationship can be used a) to convert results from an alternative method to the anchor basis or b) to convert results/limits, expressed on an anchor basis, to results in units of an alternative method.

Keel: en

Alusdokumendid: ISO 21187:2021; EN ISO 21187:2021

Asendab dokumenti: EVS-EN ISO 21187:2005

11 TERVISEHOOLDUS

EVS-EN 60601-1-2:2015/A1:2021

Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja olulistele toimumisnäitajatele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests

Muudatus standardile EN 60601-1-2:2015

Keel: en

Alusdokumendid: IEC 60601-1-2:2014/A1:2020; EN 60601-1-2:2015/A1:2021

Muudab dokumenti: EVS-EN 60601-1-2:2015

EVS-EN 60601-1-2:2015+A1:2021

Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja olulistele toimumisnäitajatele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests (IEC 60601-1-2:2014 + IEC 60601-1-2:2014/A1:2020)

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS, hereafter referred to as ME EQUIPMENT and ME SYSTEMS. This collateral standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of ME EQUIPMENT and ME SYSTEMS in the presence of ELECTROMAGNETIC DISTURBANCES and to ELECTROMAGNETIC DISTURBANCES emitted by ME EQUIPMENT and ME SYSTEMS. BASIC SAFETY with regard to ELECTROMAGNETIC DISTURBANCES is applicable to all ME EQUIPMENT and ME SYSTEMS.

Keel: en

Alusdokumendid: EN 60601-1-2:2015; IEC 60601-1-2:2014; EN 60601-1-2:2015/A1:2021; IEC 60601-1-2:2014/A1:2020

Konsolideerib dokumenti: EVS-EN 60601-1-2:2015

Konsolideerib dokumenti: EVS-EN 60601-1-2:2015/A1:2021

EVS-EN 60601-1-3:2008/A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimumisnäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/A2:2021)

Standardi EN 60601-1-3:2008 muudatus.

Keel: en, et

Alusdokumendid: EN 60601-1-3:2008/A2:2021; IEC 60601-1-3:2008/A2:2021

Muudab dokumenti: EVS-EN 60601-1-3:2008

Muudab dokumenti: EVS-EN 60601-1-3:2008+A1:2013

Muudab dokumenti: EVS-EN 60601-1-3:2008+A1+A11:2016

EVS-EN 60601-1-3:2008+A1+A11+A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008 + IEC 60601-1-3:2008/A1:2013 + IEC 60601-1-3:2008/A2:2021)

See rahvusvaheline standard kehtib ELEKTRILISTE MEDITSIINISEADMETE ja ELEKTRILISTE MEDITSIINISÜSTEEMIDE (edaspidi EM-SEADMETE ja EM-SÜSTEEMIDE) ESMASE OHUTUSE ja OLULISTE TOIMIMISNÄITAJATE kohta. See kollateraalsandard on kohaldatav sellistele RÖNTGENSEADMETELE ja nende koostisosadele, mille puhul inimPATSIENDI RADIOLOOGILIST KUJUTIST kasutatakse diagnoosimiseks, meditsiiniprotseduuride kavandamiseks või juhtimiseks.

Keel: en, et

Alusdokumendid: IEC 60601-1-3:2008; EN 60601-1-3:2008; EN 60601-1-3:2008/AC:2010; IEC 60601-1-3:2008/A1:2013; EN 60601-1-3:2008/A1:2013; EN 60601-1-3:2008/A1:2013/AC:2014; EN 60601-1-3:2008/A11:2016; IEC 60601-1-3:2008/A2:2021; EN 60601-1-3:2008/A2:2021

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A1:2013

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A1:2013/AC:2014

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A11:2016

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A2:2021

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/AC:2010

EVS-EN ISO 4823:2021

Dentistry - Elastomeric impression and bite registration materials (ISO 4823:2021)

This document specifies the requirements and their test methods for elastomeric impression and bite registration materials. NOTE This document does not address possible biological hazards associated with the materials. Assessment of these hazards is addressed in ISO 7405 and the ISO 10993 series.

Keel: en

Alusdokumendid: ISO 4823:2021; EN ISO 4823:2021

Asendab dokumenti: EVS-EN ISO 4823:2015

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CLC/TS 50459-1:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

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Keel: en

Alusdokumendid: CLC/TS 50459-1:2021

Asendab dokumenti: CLC/TS 50459-1:2015

CLC/TS 50459-2:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 2: Ergonomic arrangements of GSM-R information

This document describes from an ergonomic point of view how GSM-R information will be arranged and displayed. More specifically it covers information that is out of the scope of ERA document ERA_ERTMS_015560. This document describes

more ergonomic details than currently provided by the GSM-R specifications. This document defines the ergonomics for the Driver-Machine Interface (DMI) for the stand alone ERTMS/GSM-R Voice Radio Systems.

Keel: en

Alusdokumendid: CLC/TS 50459-2:2021

Asendab dokumenti: CLC/TS 50459-2:2015

CLC/TS 50459-3:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 3: Ergonomic arrangements of non ETCS information

This document describes from an ergonomic point of view how non ETCS information are arranged and displayed on the CCD. More specifically, it covers information that is not within the scope of ERA document ERA_ERTMS_015560. This document describes two possible technologies for implementing the ETCS DMI namely touch screen and soft key. National systems not integrated within ETCS DMI are not within the scope of this document. Redundancy concepts are not within the scope of this document.

Keel: en

Alusdokumendid: CLC/TS 50459-3:2021

Asendab dokumenti: CLC/TS 50459-3:2016

CWA 17675:2021

Mapping of the mandatory and voluntary carbon management framework in the EU

This document aims at increasing, in the respective different fields, the integrated knowledge of mandatory norms and EN and ISO standards. It is also meant to highlight the existing contact points between these norms and the aspects where it is possible to increase synergies, in an evident and in an interpretative way, to promote their integrated use to maximise the actions in terms of GHG mitigation. It has to be noticed that this document cannot constitute an official reference if necessary for interpretation of one or more requirements of the mentioned EN ISO standards, nor of the applicable legislation, and cannot be used in case of litigations or for verification aims. Furthermore, it cannot be used to add, reduce or modify the EN ISO standards requirements mentioned in this document.

Keel: en

Alusdokumendid: CWA 17675:2021

EVS-EN 17416:2021

Glass in building - Assessment of release of dangerous substances - Determination of emissions into indoor air from glass products

This document provides specific rules for the assessment of the release on dangerous substances from glass products into indoor air of buildings in complement to the horizontal rules given in EN 16516. This document addresses specifically products as mentioned in TC 129 Mandate - M135 Amendment 1 EN (2012), i.e. products covered by the following European Standards: EN 1036 2 and EN 16477-21. However, this document can also be applied to other glass products containing volatile organic compounds (VOC) such as: EN 1279-5, EN 15755-1 and EN 14449. Glass products that do not contain organic compounds are not in the scope of this document (see Annex A). This document addresses the release of dangerous substances into indoor air from construction products, although it can also be applied to glass products used in other applications such as furniture.

Keel: en

Alusdokumendid: EN 17416:2021

EVS-EN 60601-1-3:2008/A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/A2:2021)

Standardi EN 60601-1-3:2008 muudatus.

Keel: en, et

Alusdokumendid: EN 60601-1-3:2008/A2:2021; IEC 60601-1-3:2008/A2:2021

Muudab dokumenti: EVS-EN 60601-1-3:2008

Muudab dokumenti: EVS-EN 60601-1-3:2008+A1:2013

Muudab dokumenti: EVS-EN 60601-1-3:2008+A1+A11:2016

EVS-EN 60601-1-3:2008+A1+A11+A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008 + IEC 60601-1-3:2008/A1:2013 + IEC 60601-1-3:2008/A2:2021)

See rahvusvaheline standard kehtib ELEKTRILISTE MEDITSIINISEADMETE ja ELEKTRILISTE MEDITSIINISÜSTEEMIDE (edaspidi EM-SEADMETE ja EM-SÜSTEEMIDE) ESMASE OHUTUSE ja OLULISTE TOIMIMISNÄITAJATE kohta. See kollateraalsandard on kohaldatav sellistele RÖNTGENSEADMETELE ja nende koostisosadele, mille puhul inimPATSIENDI RADIOLOOGILIST KUJUTIST kasutatakse diagnoosimiseks, meditsiiniprotseduuride kavandamiseks või juhtimiseks.

Keel: en, et

Alusdokumendid: IEC 60601-1-3:2008; EN 60601-1-3:2008; EN 60601-1-3:2008/AC:2010; IEC 60601-1-3:2008/A1:2013; EN 60601-1-3:2008/A1:2013; EN 60601-1-3:2008/A1:2013/AC:2014; EN 60601-1-3:2008/A11:2016; IEC 60601-1-3:2008/A2:2021; EN 60601-1-3:2008/A2:2021

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A1:2013

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A1:2013/AC:2014

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A11:2016

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/A2:2021

Konsolideerib dokumenti: EVS-EN 60601-1-3:2008/AC:2010

EVS-EN 60825-1:2014+A11:2021

Lasertoodete ohutus. Osa 1: Seadmete klassifikatsioon ja nõuded

Safety of laser products - Part 1: Equipment classification and requirements

IEC 60825-1 is applicable to safety of laser products emitting laser radiation in the wavelength range 180 nm to 1 mm. Although lasers exist which emit at wavelengths less than 180 nm (within the vacuum ultraviolet), these are not included in the scope of the standard since the laser beam normally has to be enclosed in an evacuated enclosure, and, therefore, the potential optical radiation hazards are inherently minimal. A laser product may consist of a single laser with or without a separate power supply or may incorporate one or more lasers in a complex optical, electrical, or mechanical system. Typically, laser products are used for demonstration of physical and optical phenomena, materials processing, data reading and storage, transmission and display of information, etc. Such systems have found use in industry, business, entertainment, research, education, medicine and consumer products. Laser products that are sold to other manufacturers for use as components of any system for subsequent sale are not subject to IEC 60825-1, since the final product will itself be subject to this standard. Laser products that are sold by or for manufacturers of end products for use as repair parts for the end products are also not subject to IEC 60825-1. However, if the laser system within the laser product is operable when removed from the end product, the requirements of this Part 1 apply to the removable laser system. NOTE 1 Operable equipment does not require a tool to prepare for operation. Any laser product is exempt from all further requirements of this Part 1 if classification by the manufacturer of that product according to Clauses 4 and 5 shows that the emission level does not exceed the AEL (accessible emission limit) of Class 1 under all conditions of operation, maintenance, service and failure. Such a laser product may be referred to as an exempt laser product. NOTE 2 The above exemption is to ensure that inherently safe laser products are exempt from Clauses 6,7,8 and 9. In addition to the adverse effects potentially resulting from exposure to laser radiation, some laser equipment may also have other associated hazards, such as electricity, chemicals and high or low temperatures. Laser radiation may cause temporary visual impairment, such as dazzle and glare. Such effects depend on the task and ambient lighting level and are beyond the scope of this Part 1. The classification and other requirements of this standard are intended to address only the laser radiation hazards to the eyes and skin. Other hazards are not included within its scope. This Part 1 describes requirements that are considered sufficient to achieve the required level of product safety for general laser products with respect to hazards to the eye and skin posed by laser radiation, provided that consumer laser products comply with EN 506891 (see 9.5 in EN 60825 1:2014/FprAA:2020). Also, as required in 5.3 b) of EN 60825-1, that laser products classified as Class 1C comply with the respective applicable part of either the EN 60601 series or the EN 60335 series that contains requirements for the safe exposure of the skin (note that the exposure of the skin is not necessarily limited to the MPE values of the skin), if applicable, as well as specific requirements for the performance and testing of the safeguard that prevents hazardous emission towards the eye. Depending on the type of the product, laser products such as for example medical lasers, machines or toys can be required to conform to the applicable performance and testing requirements of their relevant product safety standards. NOTE 3 See 3.92 for "general laser product". Where a laser system forms a part of equipment which is subject to another IEC product safety standard, e.g. for medical equipment (IEC 60601-2-22), IT equipment (IEC 60950 series), audio and video equipment (IEC 60065), audio-video and IT equipment (IEC 62368-1), electrical equipment for measurement, control, and laboratory use (IEC 61010-1), equipment for use in hazardous atmospheres (IEC 60079), or electric toys (IEC 62115), this Part 1 will apply in accordance with the provisions of IEC Guide 1042 for hazards resulting from laser radiation. For ophthalmic instruments, to ensure patient safety, ISO 15004-2 should be consulted and the principles of the limits provided there should be applied for laser radiation (see also Annex C and D). In previous editions, light-emitting diodes (LEDs) were included in the scope of IEC 60825-1, and they may be still included in other parts of the IEC 60825 series. However, with the development of lamp safety standards, optical radiation safety of LEDs in general can be more appropriately addressed by lamp safety standards. The removal of LEDs from the scope of this Part 1 does not preclude other standards from including LEDs whenever they refer to lasers. IEC 62471 may be applied to determine the risk group of an LED or product incorporating one or more LEDs. Some other (vertical) standards may require the application of the measurement, classification, engineering specifications and labelling requirements of this standard (IEC 60825-1) to LED products. Laser products with accessible radiance below the criteria specified in 4.4, designed to function as conventional light sources, and which satisfy the requirements specified in 4.4 may alternatively be evaluated under the IEC 62471 series of standards, "Photobiological safety of lamps and lamp systems". Such a product remains within the scope of this part of IEC 60825, except that the above-described optical radiation emission need not be considered for classification. The MPE (maximum permissible exposure) values provided in Annex A were developed for laser radiation and do not apply to collateral radiation. However, if a concern exists that accessible collateral radiation might be hazardous, the laser MPE values may be applied to conservatively evaluate this potential hazard, or the exposure limit values in IEC 62471 should be consulted. The MPE values in Annex A are not applicable to intentional human exposure to laser radiation for the purpose of medical or cosmetic/aesthetic treatment. NOTE 4 Informative Annexes A to G have been included for purposes of general guidance and to illustrate many typical cases. However, the annexes are not regarded as definitive or exhaustive. The objectives of this part of IEC 60825 are the following: • to introduce a system of classification of lasers and laser products emitting radiation in the wavelength range 180 nm to 1 mm according to their degree of optical radiation hazard in order to aid hazard evaluation and to aid the determination of user control measures; • to establish requirements for the manufacturer to supply information so that proper precautions can be adopted; • to ensure, through labels and instructions, adequate warning to individuals of hazards associated with accessible radiation from laser products; • to

reduce the possibility of injury by minimizing unnecessary accessible radiation and to give improved control of the laser radiation hazards through protective features.

Keel: en

Alusdokumendid: IEC 60825-1:2014; EN 60825-1:2014; EN 60825-1:2014/AC:2017-06; EN 60825-1:2014/A11:2021

Konsolideerib dokumenti: EVS-EN 60825-1:2014

Konsolideerib dokumenti: EVS-EN 60825-1:2014/A11:2021

Konsolideerib dokumenti: EVS-EN 60825-1:2014/AC:2017

EVS-EN ISO 11904-2:2021

Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 2: Technique using a manikin (ISO 11904-2:2021)

This document specifies basic framework measurement methods for sound immission from sound sources placed close to the ear. These measurements are carried out with a manikin, equipped with ear simulators including microphones. The measured values are subsequently converted into corresponding free-field or diffuse-field levels. The results are given as free-field related or diffuse-field related equivalent continuous A-weighted sound pressure levels. The technique is denoted the manikin technique. This document is applicable to exposure to sound from sources close to the ear, for example during equipment tests or at the workplace to sound from earphones or hearing protectors with audio communication facilities. This document is applicable in the frequency range from 20 Hz to 10 kHz. For frequencies above 10 kHz, ISO 11904-1 can be used.

Keel: en

Alusdokumendid: ISO 11904-2:2021; EN ISO 11904-2:2021

Asendab dokumenti: EVS-EN ISO 11904-2:2005

EVS-EN ISO 19734:2021

Eye and face protection - Guidance on selection, use and maintenance (ISO 19734:2021)

This document gives guidance on the control of eye and face hazards including physical, mechanical, chemical, optical radiation and biological and the selection, use and maintenance of eye and face protectors. This document applies to: — Occupational use — Non-occupational use including around the home, leisure activities and hobbies — Schools, educational and research establishments This document does not apply to eye and face protection for: — ionizing radiation; — low frequency radio waves — microwaves — sports or vehicular usage. NOTE See the ISO 18527 series for advice about application to sports. Brief advice on protection when using lasers is included but for detailed advice, see IEC 60825-14. This standard is neither a whole nor partial substitute for risk assessment which is an essential part of any eye and face protection programme

Keel: en

Alusdokumendid: ISO 19734:2021; EN ISO 19734:2021

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

EVS-EN 1793-6:2018+A1:2021

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - In situ values of airborne sound insulation under direct sound field conditions

This document describes a test method for measuring a quantity representative of the intrinsic characteristics of airborne sound insulation for traffic noise reducing devices: the sound insulation index. The test method is intended for the following applications: - determination of the intrinsic characteristics of airborne sound insulation of noise reducing devices to be installed along roads, to be measured either in situ or in laboratory conditions; - determination of the in situ intrinsic characteristics of airborne sound insulation of noise reducing devices in actual use; - comparison of design specifications with actual performance data after the completion of the construction work; - verification of the long term performance of noise reducing devices (with a repeated application of the method); - interactive design process of new products, including the formulation of installation manuals. The test method is not intended for the determination of the intrinsic characteristics of airborne sound insulation of noise reducing devices to be installed in reverberant conditions, e.g. inside tunnels or deep trenches or under covers. Results are expressed as a function of frequency in one-third octave bands, where possible, between 100 Hz and 5 kHz. If it is not possible to get valid measurement results over the whole frequency range indicated, the results will be given in a restricted frequency range and the reasons for the restriction(s) will be clearly reported.

Keel: en

Alusdokumendid: EN 1793-6:2018+A1:2021

Asendab dokumenti: EVS-EN 1793-6:2018

EVS-EN IEC 60584-3:2021

Thermocouples - Part 3: Extension and compensating cables - Tolerances and identification system

IEC 60584-3:2021 It is necessary for thermocouple temperature measurement that the electro-motive force (abbreviated as e.m.f. hereafter) of the thermocouple circuit is precisely measured by a measuring instrument. A thermocouple is electrically connected to the instrument by a proper pair of electric cables. IEC 60584-3:2021 standardizes these cables. It specifies identification and manufacturing tolerances for extension and compensating cables (mineral insulated extension and compensating cables are not included) provided directly to users of industrial processes. These tolerances are determined with respect to the e.m.f. versus temperature relationship of IEC 60584-1. The requirements for extension and compensating cables for use in industrial process control are specified.

Keel: en

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 12007-6:2021

Gas infrastructure - Pipelines for maximum operating pressure up to and including 16 bar - Part 6: Specific functional recommendations for unplasticized polyamide (PA-U)

This document describes the specific functional requirements for polyamide (PA) pipelines in addition to the general functional requirements of EN 12007-1 for: a) a maximum operating pressure (MOP) up to and including 16 bar; b) an operating temperature between -20 °C and +40 °C. This document covers one type of pipe: - PA pipes single layer solid wall. This document specifies common basic principles for gas infrastructure. NOTE 1 Users of this document are aware that more detailed national standards and/or code of practice can exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. NOTE 2 In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). CEN/TR 13737 (all parts) give: - clarification of all legislations/regulations applicable in a member state; - if appropriate, more restrictive national requirements; - a national contact point for the latest information.

Keel: en

Alusdokumendid: CEN/TS 12007-6:2021

CEN/TS 17606:2021

Installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical information for the installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. The term "refrigerating system" used in this document includes air conditioners and heat pumps. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications related to the installation of equipment. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - design and structural specifications for the installation site; - marking and labelling of equipment parts and installation site; - good practice for installing equipment, including tools and personal protection; - risk mitigation methods and related refrigerant charge limits; - risk assessments; - competence of personnel; - safety testing of systems and equipment.

Keel: en

Alusdokumendid: CEN/TS 17606:2021

CEN/TS 17607:2021

Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical specifications for the operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications for the operation, servicing, maintenance, repair and decommissioning. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - good practice for the operation, servicing, maintenance, repair and decommissioning, including tools and personal protection; - risk mitigation methods; - risk assessments; - competence of personnel; - health and safety of personnel; - location of the equipment.

Keel: en

Alusdokumendid: CEN/TS 17607:2021

25 TOOTMISTEHNOLOOGIA

EVS-EN 62591:2016/AC:2021

Industrial communication networks - Wireless communication network and communication profiles - WirelessHART™

Corrigendum to EN 62591:2016

Keel: en

Alusdokumendid: IEC 62591:2016/COR1:2021; EN 62591:2016/AC:2021-03

Parandab dokumenti: EVS-EN 62591:2016

EVS-EN 62601:2016/AC:2021

Industrial networks - Wireless communication network and communication profiles - WIA-PA

Corrigendum to EN 62601:2016

Keel: en

Alusdokumendid: IEC 62601:2015/COR1:2021; EN 62601:2016/AC:2021-03

Parandab dokumenti: EVS-EN 62601:2016

EVS-EN 62948:2017/AC:2021

Industrial networks - Wireless communication network and communication profiles - WIA-FA

Corrigendum to EN 62948:2017

Keel: en

Alusdokumendid: IEC 62948:2017/COR1:2021; EN 62948:2017/AC:2021-03

Parandab dokumenti: EVS-EN 62948:2017

EVS-EN IEC 61784-3:2021

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

IEC 61784-3:2021 explains some common principles that can be used in the transmission of safety-relevant messages among participants within a distributed network which use fieldbus technology in accordance with the requirements of IEC 61508 (all parts) for functional safety. These principles are based on the black channel approach. They can be used in various industrial applications such as process control, manufacturing automation and machinery.

Keel: en

Alusdokumendid: IEC 61784-3:2021; EN IEC 61784-3:2021

Asendab dokumenti: EVS-EN 61784-3:2016

Asendab dokumenti: EVS-EN 61784-3:2016/A1:2017

EVS-EN IEC 62769-1:2021

Field device integration (FDI) - Part 1: Overview

This part of IEC 62769 describes the concepts and overview of the Field Device Integration (FDI) specifications. The detailed motivation for the creation of this technology is also described (see 4.1). Reading this document is helpful to understand the other parts of this multi-part standard.

Keel: en

Alusdokumendid: EN IEC 62769-1:2021; IEC 62769-1:2021

Asendab dokumenti: EVS-EN 62769-1:2015

EVS-EN IEC 62769-150-1:2021

Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS

This part of IEC 62769 specifies an FDI profile for IEC 62734 (ISA100 WIRELESS).

Keel: en

Alusdokumendid: IEC 62769-150-1:2021; EN IEC 62769-150-1:2021

EVS-EN IEC 62769-2:2021

Field Device Integration (FDI) - Part 2: FDI Client

This part of IEC 62769 specifies the FDI Client. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-2:2021; EN IEC 62769-2:2021

Asendab dokumenti: EVS-EN 62769-2:2015

EVS-EN IEC 62769-3:2021

Field Device Integration (FDI) - Part 3: Server

This part of IEC 62769 specifies the FDI Server. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-3:2021; EN IEC 62769-3:2021

Asendab dokumenti: EVS-EN 62769-3:2015

EVS-EN IEC 62769-4:2021

Field Device Integration (FDI) - Part 4: FDI Packages

This part of IEC 62769 specifies the FDI Packages. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in Figure 1. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-4:2021; EN IEC 62769-4:2021

Asendab dokumenti: EVS-EN 62769-4:2015

EVS-EN IEC 62769-5:2021

Field Device Integration (FDI) - Part 5: Information Model

This part of IEC 62769 defines the FDI Information Model. One of the main tasks of the Information Model is to reflect the topology of the automation system. Therefore, it represents the devices of the automation system as well as the connecting communication networks including their properties, relationships, and the operations that can be performed on them. The types in the AddressSpace of the FDI Server constitute a catalogue, which is built from FDI Packages. The fundamental types for the FDI Information Model are well defined in OPC UA for Devices (IEC 62541-100). The FDI Information Model specifies extensions for a few special cases and otherwise explains how these types are used and how the contents are built from elements of DevicePackages. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: EN IEC 62769-5:2021; IEC 62769-5:2021

Asendab dokumenti: EVS-EN 62769-5:2015

EVS-EN IEC 62769-6:2021

Field Device Integration (FDI) - Part 6: Technology Mapping

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI) standard. The technology mapping focuses on implementation regarding the components FDI Client and User Interface Plug-in (UIP) that are specific only to the WORKSTATION platform/.NET as defined in IEC 62769-4.

Keel: en

Alusdokumendid: EN IEC 62769-6:2021; IEC 62769-6:2021

Asendab dokumenti: EVS-EN 62769-6:2015

EVS-EN IEC 62769-7:2021

Field Device Integration (FDI) - Part 7: Communication devices

This part of IEC 62769 specifies the elements implementing communication capabilities called Communication Devices (IEC 62769-5). The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. The document scope with respect to FDI Packages is limited to Communication Devices. The Communication Server shown in Figure 1 is an example of a specific Communication Device. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: EN IEC 62769-7:2021; IEC 62769-7:2021

Asendab dokumenti: EVS-EN 62769-7:2015

EVS-EN ISO 17279-3:2021

Welding - Micro joining of second generation high temperature superconductors - Part 3: Test methods for joints (ISO 17279-3:2021)

This document specifies the requirements for the test methods for joint of micro-joining of 2G HTS to fulfil the requirements of ISO 17279-1 and ISO 17279-2. This document specifies test methods for determining the capability of joints for the production of the specified quality. It defines specific test requirements, but does not assign those requirements to any specific product group.

Keel: en

Alusdokumendid: ISO 17279-3:2021; EN ISO 17279-3:2021

EVS-EN ISO 17677-1:2021

Resistance welding - Vocabulary - Part 1: Spot, projection and seam welding (ISO 17677-1:2021)

This document establishes a vocabulary of terms and definitions for resistance spot welding, projection welding and seam welding. NOTE In addition to terms used in English and French, two of the three official ISO languages, this document gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

Keel: en

Alusdokumendid: ISO 17677-1:2021; EN ISO 17677-1:2021

Asendab dokumenti: EVS-EN ISO 17677-1:2019

EVS-EN ISO/ASTM 52903-1:2021

Additive manufacturing - Material extrusion-based additive manufacturing of plastic materials - Part 1: Feedstock materials (ISO/ASTM 52903-1:2020)

This document describes a method for defining requirements for plastic materials used in extrusion-based additive manufacturing (AM) processes. Materials include unfilled, filled, and reinforced plastic materials suitable for processing into parts. These materials can also contain special additives (e.g. flame retardants, stabilizers, etc.). Processes include all material extrusion-based AM processes. This document is intended for use by manufacturers of materials, feedstocks, plastic parts or any combination of the three using material extrusion-based AM. NOTE In some cases, material manufacturers can also be feedstock manufacturers. In other cases, a material manufacturer can supply materials (example: pellets) to a feedstock manufacturer (example: converter of pellets into filaments). This document does not purport to address all of the safety

concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health, and environmental practices and determine the applicability of regulatory limitations prior to use.

Keel: en

Alusdokumendid: ISO/ASTM 52903-1:2020; EN ISO/ASTM 52903-1:2021

27 ELEKTRI- JA SOOJUSENERGEETIKA

CEN/TS 17606:2021

Installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical information for the installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. The term "refrigerating system" used in this document includes air conditioners and heat pumps. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications related to the installation of equipment. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - design and structural specifications for the installation site; - marking and labelling of equipment parts and installation site; - good practice for installing equipment, including tools and personal protection; - risk mitigation methods and related refrigerant charge limits; - risk assessments; - competence of personnel; - safety testing of systems and equipment.

Keel: en

Alusdokumendid: CEN/TS 17606:2021

CEN/TS 17607:2021

Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical specifications for the operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications for the operation, servicing, maintenance, repair and decommissioning. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - good practice for the operation, servicing, maintenance, repair and decommissioning, including tools and personal protection; - risk mitigation methods; - risk assessments; - competence of personnel; - health and safety of personnel; - location of the equipment.

Keel: en

Alusdokumendid: CEN/TS 17607:2021

EVS-EN IEC 61215-1-2:2021

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules

This document lays down requirements for the design qualification of terrestrial photovoltaic modules suitable for long-term operation in open-air climates. The useful service life of modules so qualified will depend on their design, their environment and the conditions under which they are operated. Test results are not construed as a quantitative prediction of module lifetime. In climates where 98th percentile operating temperatures exceed 70 °C, users are recommended to consider testing to higher temperature test conditions as described in IEC TS 63126. Users desiring qualification of PV products with lesser lifetime expectations are recommended to consider testing designed for PV in consumer electronics, as described in IEC 63163 (under development). Users wishing to gain confidence that the characteristics tested in IEC 61215 appear consistently in a manufactured product may wish to utilize IEC 62941 regarding quality systems in PV manufacturing. This document is intended to apply to all thin-film CdTe based terrestrial flat plate modules. As such, it addresses special requirements for testing of this technology supplementing IEC 61215-1:2021 and IEC 61215-2:2021 requirements for testing. This document does not apply to modules used with concentrated sunlight although it may be utilized for low concentrator modules (1 to 3 suns). For low concentration modules, all tests are performed using the irradiance, current, voltage and power levels expected at the design concentration. The object of this test sequence is to determine the electrical characteristics of the module and to show, as far as possible within reasonable constraints of cost and time, that the module is capable of withstanding prolonged exposure outdoors. Accelerated test conditions are empirically based on those necessary to reproduce selected observed field failures and are applied equally across module types. Acceleration factors may vary with product design and thus not all degradation mechanisms may manifest. Further general information on accelerated test methods including definitions of terms may be found in IEC 62506. Some long-term degradation mechanisms can only reasonably be detected via component testing, due to long times required to produce the failure and necessity of stress conditions that are expensive to produce over large areas. Component tests that have reached a sufficient level of maturity to set pass/fail criteria with high confidence are incorporated into the IEC 61215 series via addition to Table 1 in IEC 61215-1. In contrast, the tests procedures described in this series, in IEC 61215-2, are performed on modules. This document defines PV technology dependent modifications to the testing procedures and requirements per IEC 61215-1:2021 and IEC 61215-2:2021.

Keel: en

Alusdokumendid: IEC 61215-1-2:2021; EN IEC 61215-1-2:2021
Asendab dokumenti: EVS-EN 61215-1-2:2017

EVS-EN IEC 62787:2021

Concentrator photovoltaic (CPV) solar cells and cell on carrier (CoC) assemblies - Qualification

This document specifies the minimum requirements for the qualification of concentrator photovoltaic (CPV) cells and Cell on Carrier (CoC) assemblies for incorporation into CPV receivers, modules and systems. The object of this qualification standard is to determine the optoelectronic, mechanical, thermal, and processing characteristics of CPV cells and CoCs to show that they are capable of withstanding assembly processes and CPV application environments. The qualification tests of this document are designed to demonstrate that cells or CoCs are suitable for typical assembly processes, and when properly assembled, are capable of passing IEC 62108. This document defines qualification testing for two levels of concentrator photovoltaic device assembly: a) cell, or bare cell; and b) cell on carrier (CoC). NOTE Note that a variety of alternate names are used within the industry, such as solar cell assembly, receiver, etc.

Keel: en

Alusdokumendid: IEC 62787:2021; EN IEC 62787:2021

29 ELEKTROTEHNIKA

EVS-EN 50110-2:2021

Operation of electrical installations - Part 2: National annexes

Transparency on national legislation and standards to be obeyed when working

Keel: en

Alusdokumendid: EN 50110-2:2021

Asendab dokumenti: EVS-EN 50110-2:2010

EVS-EN 60320-1:2015/A1:2021

Appliance couplers for household and similar general purposes - Part 1: General requirements

Amendment to EN 60320-1:2015

Keel: en

Alusdokumendid: IEC 60320-1:2015/A1:2018; EN 60320-1:2015/A1:2021

Muudab dokumenti: EVS-EN 60320-1:2015

EVS-EN 60320-3:2014/A1:2021

Appliance couplers for household and similar general purposes - Part 3: Standard sheets and gauges

Amendment to EN 60320-3:2014

Keel: en

Alusdokumendid: IEC 60320-3:2014/A1:2018; EN 60320-3:2014/A1:2021

Muudab dokumenti: EVS-EN 60320-3:2014

EVS-EN IEC 60320-2-1:2021

Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 2-1: Õmblusmasinate pistikühendused

Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers

IEC 60320-2-1:2018 is applicable to special purpose appliance couplers for household sewing machines. These sewing machine couplers are for alternating current only and have a rated voltage not exceeding 250 V and a rated current not exceeding 2,5 A. This third edition cancels and replaces the second edition published in 2000. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - Aligned with IEC 60320-1:2015. This Part 2-1 is to be used in conjunction with IEC 60320-1: Appliance couplers for household and similar general purposes – Part 1: General requirements. It was established on the basis of the third edition of that standard (2015).

Keel: en

Alusdokumendid: IEC 60320-2-1:2018; EN IEC 60320-2-1:2021

Asendab dokumenti: EVS-EN 60320-2-1:2001

EVS-EN IEC 60320-2-3:2021

Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 2-3: Seadme-pistikühendused kõrgema kaitseastmega kui IPX0

Appliance couplers for household and similar general purposes - Part 2-3: Appliance couplers with a degree of protection higher than IPX0

IEC 60320-1:2018 applies with the following addition: This document applies to appliance couplers with a degree of protection against ingress of water higher than IPX0. This second edition cancels and replaces the first edition published in 1998 and Amendment 1:2004. This edition constitutes a technical revision. This edition includes the following significant technical

changes with respect to the previous edition: - Aligned with IEC 60320-1:2015. - The scope is extended to cover current ratings up to and including 16 A. - The scope is extended to cover Class I appliance couplers. - The scope is extended to cover appliance couplers for hot and very hot conditions. - Added classification regarding the use of retaining devices. - Added classification for indoor and outdoor use.

Keel: en

Alusdokumendid: IEC 60320-2-3:2018; EN IEC 60320-2-3:2021

Asendab dokumenti: EVS-EN 60320-2-3:2002

Asendab dokumenti: EVS-EN 60320-2-3:2002/A1:2005

EVS-EN IEC 60320-2-4:2021

Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 2-4: Seadme kaalust sõltuvad hambumis-pistikühendused

Appliance couplers for household and similar general purposes - Part 2-4: Couplers dependent on appliance weight for engagement

IEC 60320-2-4:2018 is applicable to two-pole appliance couplers for alternating current only, with or without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 16 A, for household and similar general purposes and intended for incorporation or integration within electric appliances or other electric equipment of multi-part construction for 50 Hz or 60 Hz supply which depend on the weight of the appliance to ensure correct engagement. This second edition cancels and replaces the first edition published in 2005 and Amendment 1:2009. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - IEC 60320-2-4 is aligned with IEC 60320-1:2015. - IEC 60320-2-4 is aligned with IEC 60335-1 and IEC 60335-2-15. IEC 60320-2-4 appliance couplers are incorporated into appliances designed and manufactured to these standards. To this end, particular attention is drawn to 14.2 and Clause 20. - It also now proposes that appliance couplers with auxiliary contacts be considered.

Keel: en

Alusdokumendid: IEC 60320-2-4:2018; EN IEC 60320-2-4:2021

Asendab dokumenti: EVS-EN 60320-2-4:2006

Asendab dokumenti: EVS-EN 60320-2-4:2006/A1:2010

EVS-EN IEC 60598-1:2021

Valgustid. Osa 1: Üldnõuded ja katsetused

Luminaires - Part 1: General requirements and tests

IEC 60598-1:2020 specifies general requirements for luminaires, incorporating electric light sources for operation from supply voltages up to 1 000 V. The requirements and related tests of this document cover: classification, marking, mechanical construction, electrical construction and photobiological safety. This ninth edition cancels and replaces the eighth edition published in 2014 and Amendment 1:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - Revision of Clause 4.30, Fixing cover live parts of non-user replaceable light source; - Subclause 4.24.2, Blue Light Hazard: removal of Risk Group 0; - Subclause 5.2.16: additional requirements for AC mains appliance inlets related to IEC 61984; - Addition of Subclause 3.3.25, UV protection of cable; - Addition of Clause 4.34, Inclusion of EMF safety requirements (IEC 62493); - Revision of the requirements for functional earth and protective earth; - Addition of Clause 4.35, Protection against fast rotating parts; - Revision of Clause 3.2, Rated voltage marking; - Revision of Subclause 5.2.10, Cord anchorage; - Revision of Annex G for touch current and protective conductor current test set-up; - Addition of requirements for constant light output function and programmable current output; - Revision of Subclause 8.2.3 c), touch voltage limits for interrupted DC voltage; - Introduction of PELV; - Introduction of Ethernet power supply connection for luminaires (PoE); - Section 9, Introduction of IPX9; - Addition of Subclause 3.3.26 for wall mounted luminaires; - Revision of Annex D introducing alternative thermal tests for luminaires with ta marking higher than 25°C; - Revision of Table 10.3 and Subclause 3.3.19 for protective conductor current limits; - Track-mounted luminaires: cross reference to Annex A of IEC 60570:2003/AMD2:2019; - Revision of Subclause 10.2.2, alternative DC electric strength test; - Revision of Annex D for recessed luminaires; - Subclause 4.12.5: revision of Table 4.2 for torque test on metal glands; - Revision of use of bridging capacitors in luminaires; - Revision of electrical connection to class III plugs.

Keel: en

Alusdokumendid: IEC 60598-1:2020; EN IEC 60598-1:2021

Asendab dokumenti: EVS-EN 60598-1:2015

Asendab dokumenti: EVS-EN 60598-1:2015/A1:2018

Asendab dokumenti: EVS-EN 60598-1:2015/AC:2016

Asendab dokumenti: EVS-EN 60598-1:2015+A1:2018

EVS-EN IEC 60799:2021

Elektritarvikud. Juhtmekimbud ja vaheühendus-juhtmekimbud

Electrical accessories - Cord sets and interconnection cord sets

IEC 60799:2018 specifies requirements for cord sets and interconnection cord sets for household and similar general purpose equipment. It does not apply to cord sets for industrial purposes (with plugs and connectors according to IEC 60309) nor to cord extension sets. This third edition cancels and replaces the second edition published in 1998. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - alignment with IEC 60320-1:2015; - extension to include appliance couplers in accordance with IEC 60320-2-3:- (Under preparation. Stage at the time of publication: IEC/FDIS 60320-2-3:2018).

Keel: en

Alusdokumendid: IEC 60799:2018; EN IEC 60799:2021

Asendab dokumenti: EVS-EN 60799:2001

EVS-EN IEC 62281:2019/A1:2021

Safety of primary and secondary lithium cells and batteries during transport

Amendment to EN IEC 62281:2019

Keel: en

Alusdokumendid: IEC 62281:2019/A1:2021; EN IEC 62281:2019/A1:2021

Muudab dokumenti: EVS-EN IEC 62281:2019

31 ELEKTROONIKA

EVS-EN 60825-1:2014+A11:2021

Lasertoodete ohutus. Osa 1: Seadmete klassifikatsioon ja nõuded

Safety of laser products - Part 1: Equipment classification and requirements

IEC 60825-1 is applicable to safety of laser products emitting laser radiation in the wavelength range 180 nm to 1 mm. Although lasers exist which emit at wavelengths less than 180 nm (within the vacuum ultraviolet), these are not included in the scope of the standard since the laser beam normally has to be enclosed in an evacuated enclosure, and, therefore, the potential optical radiation hazards are inherently minimal. A laser product may consist of a single laser with or without a separate power supply or may incorporate one or more lasers in a complex optical, electrical, or mechanical system. Typically, laser products are used for demonstration of physical and optical phenomena, materials processing, data reading and storage, transmission and display of information, etc. Such systems have found use in industry, business, entertainment, research, education, medicine and consumer products. Laser products that are sold to other manufacturers for use as components of any system for subsequent sale are not subject to IEC 60825-1, since the final product will itself be subject to this standard. Laser products that are sold by or for manufacturers of end products for use as repair parts for the end products are also not subject to IEC 60825-1. However, if the laser system within the laser product is operable when removed from the end product, the requirements of this Part 1 apply to the removable laser system. NOTE 1 Operable equipment does not require a tool to prepare for operation. Any laser product is exempt from all further requirements of this Part 1 if classification by the manufacturer of that product according to Clauses 4 and 5 shows that the emission level does not exceed the AEL (accessible emission limit) of Class 1 under all conditions of operation, maintenance, service and failure. Such a laser product may be referred to as an exempt laser product. NOTE 2 The above exemption is to ensure that inherently safe laser products are exempt from Clauses 6,7,8 and 9. In addition to the adverse effects potentially resulting from exposure to laser radiation, some laser equipment may also have other associated hazards, such as electricity, chemicals and high or low temperatures. Laser radiation may cause temporary visual impairment, such as dazzle and glare. Such effects depend on the task and ambient lighting level and are beyond the scope of this Part 1. The classification and other requirements of this standard are intended to address only the laser radiation hazards to the eyes and skin. Other hazards are not included within its scope. This Part 1 describes requirements that are considered sufficient to achieve the required level of product safety for general laser products with respect to hazards to the eye and skin posed by laser radiation, provided that consumer laser products comply with EN 506891 (see 9.5 in EN 60825-1:2014/FprAA:2020). Also, as required in 5.3 b) of EN 60825-1, that laser products classified as Class 1C comply with the respective applicable part of either the EN 60601 series or the EN 60335 series that contains requirements for the safe exposure of the skin (note that the exposure of the skin is not necessarily limited to the MPE values of the skin), if applicable, as well as specific requirements for the performance and testing of the safeguard that prevents hazardous emission towards the eye. Depending on the type of the product, laser products such as for example medical lasers, machines or toys can be required to conform to the applicable performance and testing requirements of their relevant product safety standards. NOTE 3 See 3.92 for "general laser product". Where a laser system forms a part of equipment which is subject to another IEC product safety standard, e.g. for medical equipment (IEC 60601-2-22), IT equipment (IEC 60950 series), audio and video equipment (IEC 60065), audio-video and IT equipment (IEC 62368-1), electrical equipment for measurement, control, and laboratory use (IEC 61010-1), equipment for use in hazardous atmospheres (IEC 60079), or electric toys (IEC 62115), this Part 1 will apply in accordance with the provisions of IEC Guide 1042 for hazards resulting from laser radiation. For ophthalmic instruments, to ensure patient safety, ISO 15004-2 should be consulted and the principles of the limits provided there should be applied for laser radiation (see also Annex C and D). In previous editions, light-emitting diodes (LEDs) were included in the scope of IEC 60825-1, and they may be still included in other parts of the IEC 60825 series. However, with the development of lamp safety standards, optical radiation safety of LEDs in general can be more appropriately addressed by lamp safety standards. The removal of LEDs from the scope of this Part 1 does not preclude other standards from including LEDs whenever they refer to lasers. IEC 62471 may be applied to determine the risk group of an LED or product incorporating one or more LEDs. Some other (vertical) standards may require the application of the measurement, classification, engineering specifications and labelling requirements of this standard (IEC 60825-1) to LED products. Laser products with accessible radiance below the criteria specified in 4.4, designed to function as conventional light sources, and which satisfy the requirements specified in 4.4 may alternatively be evaluated under the IEC 62471 series of standards, "Photobiological safety of lamps and lamp systems". Such a product remains within the scope of this part of IEC 60825, except that the above-described optical radiation emission need not be considered for classification. The MPE (maximum permissible exposure) values provided in Annex A were developed for laser radiation and do not apply to collateral radiation. However, if a concern exists that accessible collateral radiation might be hazardous, the laser MPE values may be applied to conservatively evaluate this potential hazard, or the exposure limit values in IEC 62471 should be consulted. The MPE values in Annex A are not applicable to intentional human exposure to laser radiation for the purpose of medical or cosmetic/aesthetic treatment. NOTE 4 Informative Annexes A to G have been included for purposes of general guidance and to illustrate many typical cases. However, the annexes are not regarded as definitive or exhaustive. The objectives of this part of IEC 60825 are the following: • to introduce a system of classification of lasers and laser products emitting radiation in the wavelength range 180 nm to 1 mm according to their degree of optical radiation hazard in order to aid hazard evaluation and to aid the determination of user control measures; • to establish requirements for the manufacturer to supply information so that proper precautions can be adopted; • to ensure, through labels and instructions, adequate warning to individuals of hazards associated with accessible radiation from laser products; • to reduce the possibility of injury by minimizing unnecessary accessible radiation and to give improved control of the laser radiation hazards through protective features.

Keel: en

Alusdokumendid: IEC 60825-1:2014; EN 60825-1:2014; EN 60825-1:2014/AC:2017-06; EN 60825-1:2014/A11:2021

Konsolideerib dokumenti: EVS-EN 60825-1:2014
Konsolideerib dokumenti: EVS-EN 60825-1:2014/A11:2021
Konsolideerib dokumenti: EVS-EN 60825-1:2014/AC:2017

EVS-EN IEC 61188-6-2:2021

Circuit boards and circuit board assemblies - Design and use - Part 6-2: Land pattern design - Description of land pattern for the most common surface mounted components (SMD)

IEC 61188-6-2:2021 describes the requirements of design and use for soldering surfaces of land pattern on circuit boards. This document includes land pattern for surface mounted components. These requirements are based on the solder joint requirements of IEC 61191-2:2017.

Keel: en

Alusdokumendid: IEC 61188-6-2:2021; EN IEC 61188-6-2:2021

EVS-EN IEC 61189-5-502:2021

Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 5-502: General test methods for materials and assemblies - Surface insulation resistance (SIR) testing of assemblies

IEC 61189-5-502:2021 is used for evaluating the changes to the surface insulation resistance of a pre-selected material set on a representative test coupon and quantifies the deleterious effects of improperly used materials and processes that can lead to decreases in electrical resistance.

Keel: en

Alusdokumendid: IEC 61189-5-502:2021; EN IEC 61189-5-502:2021

EVS-EN IEC 61189-5-601:2021

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-601: General test methods for materials and assemblies - Reflow soldering ability test for solder joint, and reflow heat resistance test for printed boards

IEC 61189-5-601:2021 specifies the reflow soldering ability test method for components mounted on organic rigid printed boards, the reflow heat resistance test method for organic rigid printed boards, and the reflow soldering ability test method for the lands of organic rigid printed boards in applications using solder alloys, which are eutectic or near-eutectic tin-lead (Pb), or lead-free alloys. The printed boards materials for this organic rigid printed boards are epoxide woven E-glass laminated sheets that are specified in IEC 61249-2 (all parts). The objective of this document is to ensure the soldering ability of the solder joint and of the lands of the printed boards. In addition, test methods are provided to ensure that the printed boards can resist the heat load to which they are exposed during soldering.

Keel: en

Alusdokumendid: IEC 61189-5-601:2021; EN IEC 61189-5-601:2021

EVS-EN IEC 61760-3:2021

Surface mounting technology - Part 3: Standard method for the specification of components for through-hole reflow (THR) soldering

This part of IEC 61760 gives a reference set of requirements, process conditions and related test conditions to be used when compiling specifications of electronic components that are intended for usage in through-hole reflow soldering technology. The object of this document is to ensure that components with leads intended for through-hole reflow and surface mounting components can be subjected to the same placement and mounting processes. Hereto, this document defines test and requirements that need to be part of any component generic, sectional or detail specification, when through-hole reflow soldering is intended. Furthermore, this document provides component users and manufacturers with a reference set of typical process conditions used in through-hole reflow soldering technology.

Keel: en

Alusdokumendid: IEC 61760-3:2021; EN IEC 61760-3:2021

Asendab dokumenti: EVS-EN 61760-3:2010

33 SIDETEHNIKA

EVS-EN 301 489-50 V2.3.1:2021

Raadioseadmete ja raadiosideteeenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 50. Eritingimused kärgühenduse tugijaamale (BS), repiiterile ja lisaseadmetele; Elektromagnetilise ühilduvuse harmoneeritud standard ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies technical characteristics and methods of measurements in respect of ElectroMagnetic Compatibility (EMC) for the following equipment types: 1) digital cellular base station equipment, including BS with antenna ports and BS without antenna ports; 2) repeaters; 3) associated ancillary equipment. Including individual and combinations of technologies listed in table 1. Table 1: Cellular Mobile Communication Technologies Technology (Air technology); Technology

Generation; Standard SET; ETSI Standard GSM (GSM/EDGE); 2G/3G; IMT-2000 SC (single carrier); ETSI EN 301 502, ETSI TS 137 104, ETSI TS 137 141 CDMA 2000; 3G; CDMA2000 (IMT-MC multi carrier); ETSI EN 301 526, ETSI EN 301 908-5, ETSI EN 301 908-7, ETSI EN 301 449, ETSI EN 302 426 UMTS (UTRA, W-CDMA); 3G; IMT-2000 Direct Spread; ETSI TS 125 104, ETSI TS 125 105, ETSI TS 125 106 LTE (see note 1) (E-UTRA); 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 136 141, ETSI TS 136 106, ETSI TS 136 143 LTE (see note 1) (E-UTRA), AAS; 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 137 114, ETSI TS 137 145-1, ETSI TS 137 145-2 MSR (see note 2) AAS; 4G IMT-advanced; ETSI TS 137 104, ETSI TS 137 141, ETSI TS 137 114, ETSI TS 137 145-1, ETSI TS 137 145-2 WMAN (OFDMA); 3G; IMT-2000 OFDMA; ETSI EN 301 908-22 NR OTA; 5G; IMT-advanced; ETSI TS 138 104, ETSI TS 138 141-1, ETSI TS 138 141-2 Standalone NB-IoT; 4G; IMT-2000; ETSI TS 136 104 NOTE 1: Including LAA, inband NB-IoT or guard band NB-IoT. NOTE 2: Combination of technologies GSM, W-CDMA, LTE and NR. Technical specifications related to the antenna port and emissions from the enclosure port of Base Station (BS), combinations of radio and associated ancillary equipment or repeaters are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum. The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1, except for any special conditions included in the present document. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in Annex A.

Keel: en

Alusdokumendid: ETSI EN 301 489-50 V2.3.1

EVS-EN 301 549 V3.2.1:2021

IKT toodete ja teenuste juurdepääsu nõuded

Accessibility requirements for ICT products and services

The present document specifies the functional accessibility requirements applicable to ICT products and services, together with a description of the test procedures and evaluation methodology for each accessibility requirement in a form that is suitable for use in public procurement within Europe. The present document is intended to be used with web based technologies, non-web technologies and hybrids that use both. It covers both software and hardware as well as services. It is intended for use by both providers and procurers, but it is expected that it will also be of use to many others as well. The relationship between the present document and the essential requirements of Directive 2016/2102 on the accessibility of the websites and mobile applications of public sector bodies is given in Annex A. The present document contains the necessary functional requirements and provides a reference document such that if procedures are followed by different actors, the results of testing are similar and the interpretation of those results is clear. The test descriptions and evaluation methodology included in the present document are elaborated to a level of detail compliant with ISO/IEC 17007:2009, so that conformance testing can give conclusive results.

Keel: en

Alusdokumendid: EN 301 549 V3.2.1

Asendab dokumenti: EVS-EN 301 549 V3.1.1:2019

EVS-EN 60601-1-2:2015/A1:2021

Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused **Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests**

Muudatus standardile EN 60601-1-2:2015

Keel: en

Alusdokumendid: IEC 60601-1-2:2014/A1:2020; EN 60601-1-2:2015/A1:2021

Muudab dokumenti: EVS-EN 60601-1-2:2015

EVS-EN 60601-1-2:2015+A1:2021

Elektrilised meditsiiniseadmed. Osa 1-2: Üldnõuded esmasele ohutusele ja olulistele toimimisnäitajatele. Kollateraalsandard: Elektromagnetiline ühilduvus. Nõuded ja katsetused **Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests (IEC 60601-1-2:2014 + IEC 60601-1-2:2014/A1:2020)**

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ELECTRICAL EQUIPMENT and MEDICAL ELECTRICAL SYSTEMS, hereafter referred to as ME EQUIPMENT and ME SYSTEMS. This collateral standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of ME EQUIPMENT and ME SYSTEMS in the presence of ELECTROMAGNETIC DISTURBANCES and to ELECTROMAGNETIC DISTURBANCES emitted by ME EQUIPMENT and ME SYSTEMS. BASIC SAFETY with regard to ELECTROMAGNETIC DISTURBANCES is applicable to all ME EQUIPMENT and ME SYSTEMS.

Keel: en

Alusdokumendid: EN 60601-1-2:2015; IEC 60601-1-2:2014; EN 60601-1-2:2015/A1:2021; IEC 60601-1-2:2014/A1:2020

Konsolideerib dokumenti: EVS-EN 60601-1-2:2015

Konsolideerib dokumenti: EVS-EN 60601-1-2:2015/A1:2021

EVS-EN IEC 55014-1:2021

Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

This part of CISPR 14 specifies the requirements that apply to the emission of radio-frequency disturbances in the frequency range 9 kHz to 400 GHz from appliances, electric tools and similar apparatus as defined below, whether powered by AC or DC

(including a battery). This document is applicable to the following equipment: • household appliances or similar equipment; NOTE 1 Examples are equipment used: – for typical housekeeping functions in the household environment, which includes the dwelling and its associated buildings, the garden, etc.; – for typical housekeeping functions in shops, offices, commercial and other similar working environments; – on farms; – by clients in hotels and other residential type environments; – for induction cooking or air-conditioning, either in residential or commercial environments. • electric tools; NOTE 2 Examples of electric tools include electric motor-operated or electromagnetically driven hand-held tools, transportable tools, lawn and garden machinery. • similar apparatus. NOTE 3 Examples are: – external power controllers using semiconductor devices; – motor-driven electro-medical equipment; – electric/electronic toys; – personal care and beauty care appliances; – automatic goods-dispensing machines; – entertainment machines; – cine or slide projectors; – battery chargers and external power supplies for use with products under the scope of this document; – electric fence energisers. Also included in the scope of this document are separate parts of the above mentioned equipment such as motors and switching devices (e.g. power or protective relays). However, no emission requirements apply to such separate parts, unless otherwise stated in this document. Products which incorporate radio transmit/receive functions are included in the scope of this document. Equipment under the scope of this document making use of IPT is also in the scope. Excluded from the scope of this document are: – equipment for which all emission requirements in the radio-frequency range are explicitly formulated in other CISPR standards; NOTE 4 Examples are: – luminaires, including portable luminaires for children, discharge lamps and other lighting devices under the scope of CISPR 15; – information technology equipment, e.g. home computers, personal computers, electronic copying machines under the scope of CISPR 32; – audio/video equipment and electronic music instruments other than toys under the scope of CISPR 32; – mains communication devices, as well as baby surveillance systems; – equipment which is under the scope of CISPR 11 (e.g. microwave ovens) but be aware of 6.5 on multifunction equipment (e.g. for another function requiring click measurements) – radio controls, walkie-talkies and other types of radio-transmitters; – arc welding equipment. – equipment intended to be used only on a vehicle, ship or aircraft; – equipment used only in industrial environment – the effects of electromagnetic phenomena relating to the safety of the equipment. Multifunction equipment may be required to comply with clauses in this and other standards. The details are given in 6.5. The emission requirements in this document are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU including their spurious emissions.

Keel: en

Alusdokumendid: CISPR 14-1:2020; EN IEC 55014-1:2021

Asendab dokumenti: EVS-EN 55014-1:2017

Asendab dokumenti: EVS-EN 55014-1:2017/A11:2020

Asendab dokumenti: EVS-EN 55014-1:2017+A11:2020

EVS-EN IEC 55014-2:2021

Elektromagnetiline ühilduvus. Nõuded majapidamismasinatete, elektrilistele tööriistadele ja muudele taolistele seadmetele. Osa 2: Häiringutaluvus. Tooteperekonna standard **Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard**

This part of CISPR 14 specifies the electromagnetic immunity requirements in the frequency range 0 Hz to 400 GHz that apply to appliances, electric tools and similar apparatus as specified below, whether powered by AC or DC (including a battery). This document specifies immunity requirements for continuous and transient electromagnetic disturbances, both conducted and radiated. Unless otherwise specified, this document is applicable to all equipment in the scope of CISPR 14-1, namely: • household appliances or similar apparatus; NOTE 1 Examples are equipment used: – for typical housekeeping functions in the household environment, which includes the dwelling and its associated buildings, the garden, etc.; – for typical housekeeping functions in shops, offices, commercial and other similar working environments; – on farms; – by clients in hotels and other residential type environments; – for induction cooking or air conditioning, either in residential or commercial environments. • electric tools; NOTE 2 Examples of electric tools include electric motor-operated or electromagnetically driven hand-held tools, transportable tools, lawn and garden machinery. • similar apparatus; NOTE 3 Examples are: – external power controllers using semiconductor devices; – motor-driven electro-medical equipment; – electric/electronic toys; – personal care and beauty care appliances; – automatic goods-dispensing machines; – entertainment machines; – cine or slide projectors; – battery chargers and external power supplies for use with products under the scope of this document; – electric fence energisers. Included in the scope of this document are also microwave ovens for domestic use or catering. Equipment which incorporate radio transmit/receive functions are included in the scope of this document. NOTE 4 For handling cases where equipment under the scope of this document is combined with transmit and/or receive radio functions, see Clause 8. Excluded from the scope of this document are: – equipment for which all electromagnetic immunity requirements are explicitly formulated in other CISPR or IEC standards; NOTE 5 Examples are: • luminaires, including portable luminaires for children, discharge lamps, LED lamps and other lighting devices under the scope of IEC 61547 (but see 8.7); • multimedia equipment under the scope of CISPR 35; • mains communication devices, as well as baby surveillance systems; • arc welding equipment. – equipment intended to be part of the fixed electrical installation of buildings (e.g. fuses, circuit breakers, cables and switches); – medical electrical equipment, including those in the scope of CISPR 14-1; – equipment used only in industrial environment; – equipment intended to be used exclusively in locations where special electromagnetic conditions exist (e.g. high electromagnetic fields nearby broadcast transmitting stations or high energy pulses nearby power generation stations); – equipment intended to be used exclusively on a vehicle, ship, boat or aircraft; – the effects of electromagnetic phenomena relating to the safety of apparatus (see IEC 60335 series); Also excluded from the scope of this document is AC single-phase equipment with a rated voltage higher than 250 V between phase and neutral and AC multi-phase equipment with rated voltage higher than 480 V. Abnormal operation of the equipment, such as simulated faults in the electric circuitry for testing purposes, is not taken into consideration.

Keel: en

Alusdokumendid: CISPR 14-2:2020; EN IEC 55014-2:2021

Asendab dokumenti: EVS-EN 55014-2:2015

EVS-EN IEC 60793-1-34:2021

Optical fibres - Part 1-34: Measurement methods and test procedures - Fibre curl

IEC 60793-1-34:2021 establishes uniform requirements for the mechanical characteristic: fibre curl or latent curvature in uncoated optical fibres, i.e. a specified length of the fibre has been stripped from coating. Fibre curl has been identified as an

important parameter for minimizing the splice loss of optical fibres when using passive alignment fusion splicers. Two methods are recognized for the measurement of fibre curl, in uncoated optical fibres: - method A: side view microscopy; - method B: laser beam scattering. Both methods measure the radius of curvature of an uncoated fibre by determining the amount of deflection that occurs as an unsupported fibre end is rotated about the fibre's axis. Method A uses visual or digital video methods to determine the deflection of the fibre while method B uses a line sensor to measure the maximum deflection of one laser beam relative to a reference laser beam. By measuring the deflection behaviour of the fibre as it is rotated about its axis and understanding the geometry of the measuring device, the fibre's radius of curvature can be calculated from simple circular models, the derivation of which are given in Annex C. Both methods are applicable to type B optical fibres as described in IEC 60793 (all parts). Method A is the reference test method, used to resolve disputes. This third edition cancels and replaces the second edition published in 2006. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - modification of several derivation equations for laser scattering; - change of angular increment from 10° to 30° to 10° to 45°; - change of Annex B from informative to normative.

Keel: en

Alusdokumendid: IEC 60793-1-34:2021; EN IEC 60793-1-34:2021

Asendab dokumenti: EVS-EN 60793-1-34:2006

EVS-EN IEC 60794-1-211:2021

Optical fibre cables - Part 1-211: Generic specification - Basic optical cable test procedures - Environmental test methods - Sheath shrinkage, Method F11

This part of IEC 60794 defines test procedures to measure the shrinkage of the sheath due to thermal exposure of cables. A first test method, F11A, is included for cables where the fibre or buffered fibre and the sheath of the cable are intended to be fully terminated into a connector at one or both cable ends. A second test method, F11B, is included in this document for sheath shrinkage testing for general purpose. See IEC 60794-1-2 for a reference guide to test methods of all types and for general requirements.

Keel: en

Alusdokumendid: IEC 60794-1-211:2021; EN IEC 60794-1-211:2021

Asendab dokumenti: EVS-EN IEC 60794-1-22:2018

EVS-EN IEC 60958-5:2021

Digital audio interface - Part 5: Consumer application enhancement

IEC 60958-5:2021 enhances the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1 and IEC 60958-3, introducing: - multichannel; - multi-stream; - high-resolution; - multimedia extension; - related applications.

Keel: en

Alusdokumendid: IEC 60958-5:2021; EN IEC 60958-5:2021

EVS-EN IEC 61300-2-14:2021

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power

IEC 61300-2-14:2021 describes a procedure for determining the suitability of a fibre optic interconnecting device or a passive component to withstand exposure to the optical power which occurs during its operation. This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - harmonizing IEC 61300-1:2016 and IEC 61300-3-4:2012; - addition of abbreviated terms; - addition of Clause A.2 regarding input optical power from both ends.

Keel: en

Alusdokumendid: IEC 61300-2-14:2021; EN IEC 61300-2-14:2021

Asendab dokumenti: EVS-EN 61300-2-14:2013

EVS-EN IEC 62680-1-3:2021

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

IEC 62680-1-3:2021 defines the USB Type-C™ receptacles, plug and cables. The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are compatible with existing USB interface electrical and functional specifications. This specification covers the following aspects that are needed to produce and use this new USB cable/connector solution in newer platforms and devices, and that interoperate with existing platforms and devices: - USB Type-C receptacles, including electro-mechanical definition and performance requirements - USB Type-C plugs and cable assemblies, including electro-mechanical definition and performance requirements - USB Type-C to legacy cable assemblies and adapters - USB Type-C-based device detection and interface configuration, including support for legacy connections - USB Power Delivery optimized for the USB Type-C connector. This specification is intended as a supplement to the existing USB 2.0, USB 3.1 and USB Power Delivery specifications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementations. IEC 62680-1-3:2021 cancels and replaces the third edition published in 2018 and constitutes a technical revision. New release primarily for enabling USB4 over USB Type-C connectors and cables. Also includes incorporation of all approved ECNs as of the revision date plus editorial clean-up.

Keel: en

Alusdokumendid: IEC 62680-1-3:2021; EN IEC 62680-1-3:2021

35 INFOTEHNOLOOGIA

CLC/TS 50459-1:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

This document describes how ERTMS and non-ERTMS information will be arranged and displayed from an ergonomic point of view. More specifically, it covers information that is out of the scope of ERA_ERTMS_015560. This document describes more ergonomic details than currently provided by the ERTMS/GSM-R specifications. This document defines the ergonomics for the Driver-Machine Interface (DMI) for the following applications: - stand-alone ERTMS/GSM-R Train Radio Systems; - non-ERTMS/ETCS Train Control Systems; - other technical systems currently provided on the rolling stock. The ergonomics covers: - the general arrangements (dialogue structure, sequences, layout philosophy, colour philosophy), - the symbols, - the audible information, - the data entry arrangements. This document is limited to ergonomic considerations and does not define the technology to be used for the implementation but it does give guidelines about how to implement the requirements using different technology types (soft keys, touch screen device, LCD, electromechanical instruments, indicator lamps, etc.). This document is applicable to all trains fitted with the ERTMS/ETCS and also to trains fitted with train radio (GSM-R) DMI. The scope of this document is to define ergonomic principles for the interface between the driver and the above listed applications. TDD is out of scope of the CLC/TS 50459 series. For human factor items, such as display of information, display location, viewing angles and organization of the screens, see EN 16186 series.

Keel: en

Alusdokumendid: CLC/TS 50459-1:2021

Asendab dokumenti: CLC/TS 50459-1:2015

CLC/TS 50459-2:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 2: Ergonomic arrangements of GSM-R information

This document describes from an ergonomic point of view how GSM-R information will be arranged and displayed. More specifically it covers information that is out of the scope of ERA document ERA_ERTMS_015560. This document describes more ergonomic details than currently provided by the GSM-R specifications. This document defines the ergonomics for the Driver-Machine Interface (DMI) for the stand alone ERTMS/GSM-R Voice Radio Systems.

Keel: en

Alusdokumendid: CLC/TS 50459-2:2021

Asendab dokumenti: CLC/TS 50459-2:2015

CLC/TS 50459-3:2021

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Part 3: Ergonomic arrangements of non ETCS information

This document describes from an ergonomic point of view how non ETCS information are arranged and displayed on the CCD. More specifically, it covers information that is not within the scope of ERA document ERA_ERTMS_015560. This document describes two possible technologies for implementing the ETCS DMI namely touch screen and soft key. National systems not integrated within ETCS DMI are not within the scope of this document. Redundancy concepts are not within the scope of this document.

Keel: en

Alusdokumendid: CLC/TS 50459-3:2021

Asendab dokumenti: CLC/TS 50459-3:2016

CLC/TS 50600-2-10:2021

Information technology - Data centre facilities and infrastructures - Part 2-10: Earthquake risk and impact analysis

This document provides requirements and recommendations for the type of risk assessment to be employed concerning seismic activity and earthquakes in relation to data centres. In addition, it describes design concepts that can be employed as mitigation actions within the construction, and other elements of design, of data centres.

Keel: en

Alusdokumendid: CLC/TS 50600-2-10:2021

EVS-EN 16157-4:2021

Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 4: VMS publication

This European Standard (EN 16157 series) specifies and defines component facets supporting the exchange and shared use of data and information in the field of traffic and travel. The component facets include the framework and context for exchanges, the modelling approach, data content, data structure and relationships. This European Standard is applicable to: - Traffic and travel information which is of relevance to road networks (non-urban and urban), - Public transport information that is of direct relevance to the use of a road network (e.g. road link via train or ferry service), - Traffic and travel information in the case of Cooperative intelligent transport systems (C-ITS). This European Standard establishes specifications for data exchange

between any two instances of the following actors: - Traffic Information Centres (TICs), - Traffic Control Centres (TCCs), - Service Providers (SPs), Use of this European Standard may be applicable for use by other actors. This European Standard series covers, at least, the following types of informational content: - Road traffic event information – planned and unplanned occurrences both on the road network and in the surrounding environment, - Operator initiated actions, - Road traffic measurement data, status data, and travel time data, - Travel information relevant to road users, including weather and environmental information, - Road traffic management information and instructions relating to use of the road network. This part of the CEN/TS 16157 series specifies the informational structures, relationships, roles, attributes and associated data types required for publishing variable message sign information within the Datex II framework. This is specified in two publications, a DATEX II VMS Table Publication sub-model and a VMS Publication sub-model, which are part of the DATEX II platform independent model, but this part excludes those elements that relate to: - location information which are specified in EN 16157-2, - common information elements, which are specified in EN 16157-7, - situation information which are specified in EN 16157-3. The VMS Table Publication supports the occasional exchange of tables containing generally static reference information about deployed VMS which enable subsequent efficient references to be made to pre-defined static information relating to those VMS. The VMS Publication supports the exchange of the graphic and textual content of one or several VMS plus any status information on device configuration that aid the comprehension of the informational content. This content is potentially subject to rapid change. These publications are not intended to support the control or configuration of VMS equipment. Each is part of the DATEX II platform independent model.

Keel: en

Alusdokumendid: EN 16157-4:2021

Asendab dokumenti: CEN/TS 16157-4:2014

EVS-EN 62591:2016/AC:2021

Industrial communication networks - Wireless communication network and communication profiles - WirelessHART™

Corrigendum to EN 62591:2016

Keel: en

Alusdokumendid: IEC 62591:2016/COR1:2021; EN 62591:2016/AC:2021-03

Parandab dokumenti: EVS-EN 62591:2016

EVS-EN 62601:2016/AC:2021

Industrial networks - Wireless communication network and communication profiles - WIA-PA

Corrigendum to EN 62601:2016

Keel: en

Alusdokumendid: IEC 62601:2015/COR1:2021; EN 62601:2016/AC:2021-03

Parandab dokumenti: EVS-EN 62601:2016

EVS-EN 62948:2017/AC:2021

Industrial networks - Wireless communication network and communication profiles - WIA-FA

Corrigendum to EN 62948:2017

Keel: en

Alusdokumendid: IEC 62948:2017/COR1:2021; EN 62948:2017/AC:2021-03

Parandab dokumenti: EVS-EN 62948:2017

EVS-EN IEC 61784-3:2021

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

IEC 61784-3:2021 explains some common principles that can be used in the transmission of safety-relevant messages among participants within a distributed network which use fieldbus technology in accordance with the requirements of IEC 61508 (all parts) for functional safety. These principles are based on the black channel approach. They can be used in various industrial applications such as process control, manufacturing automation and machinery.

Keel: en

Alusdokumendid: IEC 61784-3:2021; EN IEC 61784-3:2021

Asendab dokumenti: EVS-EN 61784-3:2016

Asendab dokumenti: EVS-EN 61784-3:2016/A1:2017

EVS-EN IEC 62680-1-3:2021

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

IEC 62680-1-3:2021 defines the USB Type-C™ receptacles, plug and cables. The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are compatible with existing USB interface electrical and functional specifications. This specification covers the following aspects that are needed to produce and use this new USB cable/connector solution in newer platforms and devices, and that interoperate with existing platforms and devices: - USB Type-C receptacles, including electro-mechanical definition and performance requirements - USB Type-C plugs and cable assemblies, including electro-mechanical definition and performance requirements - USB Type-C to legacy cable assemblies and adapters - USB Type-C-based device detection and interface configuration, including support for legacy connections - USB Power Delivery optimized for the USB Type-C connector. This specification is intended as a supplement to the existing USB 2.0,

USB 3.1 and USB Power Delivery specifications. It addresses only the elements required to implement and support the USB Type-C receptacles, plugs and cables. Normative information is provided to allow interoperability of components designed to this specification. Informative information, when provided, may illustrate possible design implementations. IEC 62680-1-3:2021 cancels and replaces the third edition published in 2018 and constitutes a technical revision. New release primarily for enabling USB4 over USB Type-C connectors and cables. Also includes incorporation of all approved ECNs as of the revision date plus editorial clean-up.

Keel: en

Alusdokumendid: IEC 62680-1-3:2021; EN IEC 62680-1-3:2021

Asendab dokumenti: EVS-EN IEC 62680-1-3:2018

EVS-EN IEC 62769-1:2021

Field device integration (FDI) - Part 1: Overview

This part of IEC 62769 describes the concepts and overview of the Field Device Integration (FDI) specifications. The detailed motivation for the creation of this technology is also described (see 4.1). Reading this document is helpful to understand the other parts of this multi-part standard.

Keel: en

Alusdokumendid: EN IEC 62769-1:2021; IEC 62769-1:2021

Asendab dokumenti: EVS-EN 62769-1:2015

EVS-EN IEC 62769-150-1:2021

Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS

This part of IEC 62769 specifies an FDI profile for IEC 62734 (ISA100 WIRELESS).

Keel: en

Alusdokumendid: IEC 62769-150-1:2021; EN IEC 62769-150-1:2021

EVS-EN IEC 62769-2:2021

Field Device Integration (FDI) - Part 2: FDI Client

This part of IEC 62769 specifies the FDI Client. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-2:2021; EN IEC 62769-2:2021

Asendab dokumenti: EVS-EN 62769-2:2015

EVS-EN IEC 62769-3:2021

Field Device Integration (FDI) - Part 3: Server

This part of IEC 62769 specifies the FDI Server. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-3:2021; EN IEC 62769-3:2021

Asendab dokumenti: EVS-EN 62769-3:2015

EVS-EN IEC 62769-4:2021

Field Device Integration (FDI) - Part 4: FDI Packages

This part of IEC 62769 specifies the FDI Packages. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in Figure 1. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: IEC 62769-4:2021; EN IEC 62769-4:2021

Asendab dokumenti: EVS-EN 62769-4:2015

EVS-EN IEC 62769-5:2021

Field Device Integration (FDI) - Part 5: Information Model

This part of IEC 62769 defines the FDI Information Model. One of the main tasks of the Information Model is to reflect the topology of the automation system. Therefore, it represents the devices of the automation system as well as the connecting communication networks including their properties, relationships, and the operations that can be performed on them. The types in the AddressSpace of the FDI Server constitute a catalogue, which is built from FDI Packages. The fundamental types for the FDI Information Model are well defined in OPC UA for Devices (IEC 62541-100). The FDI Information Model specifies extensions for a few special cases and otherwise explains how these types are used and how the contents are built from elements of DevicePackages. The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: EN IEC 62769-5:2021; IEC 62769-5:2021

Asendab dokumenti: EVS-EN 62769-5:2015

EVS-EN IEC 62769-6:2021

Field Device Integration (FDI) - Part 6: Technology Mapping

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI) standard. The technology mapping focuses on implementation regarding the components FDI Client and User Interface Plug-in (UIP) that are specific only to the WORKSTATION platform/.NET as defined in IEC 62769-4.

Keel: en

Alusdokumendid: EN IEC 62769-6:2021; IEC 62769-6:2021

Asendab dokumenti: EVS-EN 62769-6:2015

EVS-EN IEC 62769-7:2021

Field Device Integration (FDI) - Part 7: Communication devices

This part of IEC 62769 specifies the elements implementing communication capabilities called Communication Devices (IEC 62769-5). The overall FDI architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. The document scope with respect to FDI Packages is limited to Communication Devices. The Communication Server shown in Figure 1 is an example of a specific Communication Device. [Figure 1 - FDI architecture diagram]

Keel: en

Alusdokumendid: EN IEC 62769-7:2021; IEC 62769-7:2021

Asendab dokumenti: EVS-EN 62769-7:2015

39 TÄPPISMEHAANIKA. JUVEELITOOTED

EVS-EN ISO 11426:2021

Jewellery and precious metals - Determination of gold - Cupellation method (fire assay) (ISO 11426:2021)

This document specifies a cupellation method (fire assay) for the determination of gold on a material considered homogeneous. The gold content of the sample lies preferably between 100 and 999,5 parts per thousand (‰) by weight. Fineness above 999,5 ‰ can be determined using a spectroscopy method by difference (e.g. ISO 15093). The procedure is applicable to most types of gold samples. Some modifications are indicated for specific cases (presence of large amount of base metals, platinum or palladium, silver). It is not compatible with the presence above trace levels of iridium, rhodium and ruthenium (more than 0,25 ‰ for the sum of all three elements). This method is also intended to be used as the recommended method for the determination of fineness in jewellery alloys covered by ISO 9202.

Keel: en

Alusdokumendid: ISO 11426:2021; EN ISO 11426:2021

Asendab dokumenti: EVS-EN ISO 11426:2016

43 MAANTEESÕIDUKITE EHITUS

EVS-EN ISO 19363:2021

Electrically propelled road vehicles - Magnetic field wireless power transfer - Safety and interoperability requirements (ISO 19363:2020)

This document defines the requirements and operation of the on-board vehicle equipment that enables magnetic field wireless power transfer (MF-WPT) for traction battery charging of electric vehicles. It is intended to be used for passenger cars and light duty vehicles. This document addresses the following aspects for an EV device: — safety requirements; — transferred power and power transfer efficiency; — ground clearance of the EV device; — functionality with associated off-board systems under various conditions and independent of manufacturer; — test procedures. EV devices that fulfil the requirements in this document are intended to operate with supply devices that fulfil the MF-WPT related requirements in the IEC 61980 series. NOTE 1 Charging of a vehicle in motion is not considered in this edition. NOTE 2 Bi-directional power transfer is not considered in this edition.

Keel: en

Alusdokumendid: ISO 19363:2020; EN ISO 19363:2021

45 RAUDTEETEHNIKA

EVS-EN 13749:2021

Raudteealased rakendused. Rattapaarid ja pöördvankrid. Pöördvankri raami konstruktsiooninõuete spetsifitseerimise meetod

Railway applications - Wheelsets and bogies - Method of specifying the structural requirements of bogie frames

This document specifies the method to be followed to achieve a satisfactory design of bogie frames and includes design procedures, assessment methods, verification and manufacturing quality requirements. It is limited to the structural requirements of bogie frames including bolsters and axlebox housings. For the purpose of this document, these terms are taken to include all functional attachments, e.g. damper brackets.

Keel: en

Alusdokumendid: EN 13749:2021

EVS-EN 15807:2021

Raudteealased rakendused. Suruõhkpidurite vagunitevahelised ühendused Railway applications - Pneumatic half couplings

This document applies to pneumatic half couplings designed to couple either the brake pipes or main reservoir pipes of railway vehicles, without taking the type of vehicles and track-gauge into consideration. This document gives the requirements for the design, dimensions, testing and quality assurance of pneumatic half couplings.

Keel: en

Alusdokumendid: EN 15807:2021

Asendab dokumenti: EVS-EN 15807:2011

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 13852-3:2021

Kraanad. Ujuvkraanad. Osa 3: Kergujuvkraanad Cranes - Offshore cranes - Part 3: Light offshore cranes

This document applies to light offshore cranes including their supporting pedestals and structures. NOTE Supporting pedestal and structures such as columns and boom rests, are covered by this document to the extent where their main purpose is to support the crane. This document is applicable to light offshore cranes, whose structures are made of steel, and fulfil all of the following characteristics: - maximum rated capacity 15 tonnes or maximum static load moment 3 000 kNm; - limitation for off-board lifting operation up to $H_s = 2,0$ m and wind speed 15 m/s (3 s gust); - maximum number of working cycles class U1 ($C \leq 3,15 \times 10^4$) according to EN 13001-1. This document provides requirements for all significant hazards, hazardous situations and events relevant to light offshore cranes for lifting of goods and lifting of persons, when used as intended and under conditions foreseen by the risk assessment (see Clause 4). This document is applicable to light offshore cranes, which are manufactured after the date of approval by CEN of this document. This document is not applicable for: a) transportation, assembly, disabling, scrapping, installation or erecting of the crane; b) any item attached to the hook, such as loads, non-fixed load lifting attachments, lifting accessories, baskets, carriers and containers; c) lifting operations in ambient temperatures below -20 °C; d) lifting operations in ambient temperatures above 45 °C; e) lifting operations involving more than one crane; f) accidental loads as result of collisions, earthquakes, explosions, etc., which are not covered by exceptional loads defined in Table B.7; g) emergency personnel rescue operations (except training); h) subsea lifting operations; i) general purpose offshore cranes (covered by EN 13852-1), floating cranes and motion compensated cranes.

Keel: en

Alusdokumendid: EN 13852-3:2021

EVS-EN IEC 61924-2:2021

Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems (INS) - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results

This part of IEC 61924 specifies the minimum requirements for the design, manufacture, integration, methods of testing and required test results for an integrated navigation system (INS) to comply with the International Maritime Organization (IMO) requirements of Resolution MSC.252(83), as amended by Resolution MSC.452(99). In addition, it takes account of IMO Resolution A.694(17) to which IEC 60945 is associated. When a requirement in this document is different from IEC 60945, the requirement of this document takes precedence. For bridge alert management, IMO Resolution MSC.302(87) supersedes IMO Resolution MSC.252(83). Accordingly, this document incorporates references to IEC 62923-1 and IEC 62923-2 which are associated with Resolution MSC.302(87) for requirements and tests, where applicable. This document indicates which requirements and associated tests of MSC.252(83) have been superseded by MSC.302(87). NOTE All text of this document whose wording is identical to that in IMO Resolution MSC.252(83), as amended by MSC.452(99), is printed in italics and the Resolution and paragraph number indicated between brackets.

Keel: en

Alusdokumendid: IEC 61924-2:2021; EN IEC 61924-2:2021

Asendab dokumenti: EVS-EN 61924-2:2013

EVS-EN ISO 7840:2021

Väikelaevad. Tulekindlad kütusevoolikud Small craft - Fire-resistant fuel hoses (ISO 7840:2021)

This document specifies general requirements and physical tests for fire-resistant hoses for conveying petrol or petrol blended with ethanol, and diesel fuel or diesel fuel blended with FAME, designed for a working pressure not exceeding 0,34 MPa for hoses with inner diameter up to and including 10 mm, and 0,25 MPa for hoses up to 63 mm inner diameter in small craft. It applies to hoses for small craft with permanently installed fuel systems. It does not apply to hoses entirely within the splash well at the stern of the craft connected directly to an outboard engine. Specifications for non-fire-resistant fuel hoses are given in ISO 8469:2021. Specifications for permanently installed fuel systems are given in ISO 10088:2013.

Keel: en

Alusdokumendid: ISO 7840:2021; EN ISO 7840:2021

Asendab dokumenti: EVS-EN ISO 7840:2018

EVS-EN 3475-512:2021**Aerospace series - Cables, electrical, aircraft use - Test methods - Part 512: Flexure endurance**

This document specifies a method of testing flexure endurance of the cable when it is subjected to alternating flexing. It shall be used together with EN 3475-100.

Keel: en

Alusdokumendid: EN 3475-512:2021

Asendab dokumenti: EVS-EN 3475-512:2002

EVS-EN 3639:2021**Aerospace series - Heat resisting alloy X6NiCrTiMoV26-15 (1.4980) - Softened and cold worked - Wires for forged fasteners - $D \leq 15$ mm - $900 \text{ MPa} \leq R_m \leq 1\ 100 \text{ MPa}$**

This document specifies the requirements relating to: Heat resisting alloy X6NiCrTiMoV26-15 (1.4980) Softened and cold worked Wires for forged fasteners $D \leq 15$ mm $900 \text{ MPa} \leq R_m \leq 1\ 100 \text{ MPa}$ for aerospace applications. W.nr: 1.4980.ASD-STAN designation: FE-PA2601.

Keel: en

Alusdokumendid: EN 3639:2021

EVS-EN 4035:2021**Aerospace series - Rod end, adjustable, with self-aligning double row ball bearing, in corrosion resisting steel, reduced internal radial clearance and threaded shank in titanium alloy - Dimensions and loads**

This document specifies the characteristics of adjustable rod ends with self-aligning double row ball bearing in corrosion resisting steel with reduced internal radial clearance and threaded shank in titanium alloy, designed to withstand only slow rotations and oscillations under load. They consist of: - a rod end comprising: - circumferential groove to confirm that the assembled rod-end is "in safety" emphasized with the application of red paint; - either seals or shields; - an optional longitudinal groove for locking purpose; - an inner ring with balls. These rod ends are intended for use with flight control rods or rods for aerospace structures. They are intended to be used in the temperature range: -54 °C to 150 °C. However, being lubricated with the following greases: - very high pressure grease, ester type (code A), operational range -73 °C to 121 °C; or - very high pressure grease, synthetic hydrocarbons, general purpose (code B), operational range -54 °C to 177 °C (see EN 2067); their field of application when lubricated with code A grease is limited to 121 °C.

Keel: en

Alusdokumendid: EN 4035:2021

Asendab dokumenti: EVS-EN 4035:2006

EVS-EN 4036:2021**Aerospace series - Rod end, adjustable, with self-aligning double row ball bearing and threaded shank, in corrosion resisting steel, reduced internal radial clearance - Dimensions and loads**

This document specifies the characteristics of adjustable rod ends with self-aligning double row ball bearing with reduced internal radial clearance and threaded shank in corrosion resisting steel, designed to withstand only slow rotations and oscillations under load. They consist of: - a rod end comprising: - circumferential groove to identify location; - either seals or shields; - an optional longitudinal groove for locking purpose; - an inner ring with balls. These rod ends are intended for use with flight control rods or rods for aerospace structures. They are intended to be used in the temperature range: -54 °C to 150 °C. However, being lubricated with the following greases: - very high pressure grease, ester type (code A), operational range -73 °C to 121 °C; or - very high pressure grease, synthetic hydrocarbons, general purpose (code B), operational range -54 °C to 177 °C (see EN 2067); their field of application when lubricated with code A grease is limited to 121 °C.

Keel: en

Alusdokumendid: EN 4036:2021

Asendab dokumenti: EVS-EN 4036:2006

EVS-EN 6025:2021**Aerospace series - Plates - Aluminium alloy 2024 - Close tolerances flatness - Thickness - $6 \text{ mm} \leq a \leq 55 \text{ mm}$ - Dimensions**

This document specifies the dimensions and tolerances of plates in aluminium alloy 2024 with close-tolerance flatness, thickness $6 \text{ mm} < a \leq 55 \text{ mm}$, for aerospace applications.

Keel: en

Alusdokumendid: EN 6025:2021

EVS-EN 13001-2:2021**Kraana ohutus. Üldine ehitus. Osa 2: Koormusmõjurid
Crane safety - General design - Part 2: Load actions**

This document specifies load actions and load combinations for the calculation of load effects as basis for the proof of competence of a crane and its main components. It will be used together with the other generic parts of the EN 13001 series of standards, see Annex E. As such they specify conditions and requirements on design to prevent mechanical hazards of cranes and provide a method of verification of those requirements. NOTE Specific requirements for particular types of crane are given in the appropriate European product standards for the particular crane type, see Annex E. The following is a list of significant hazardous situations and hazardous events that could result in risks to persons during normal use and reasonably foreseeable misuse. Clause 4 of this document provides means to reduce or eliminate the risks of mechanical failures due to the following: a) rigid body instability of the crane or its parts (tilting); b) exceeding the limits of strength (yield, ultimate, fatigue); c) elastic instability of the crane or its parts or components (buckling, bulging). The hazards covered by this document are identified by Annex G. This document is not applicable to cranes that are manufactured before the date of its publication as EN.

Keel: en

Alusdokumendid: EN 13001-2:2021

Asendab dokumenti: EVS-EN 13001-2:2014

EVS-EN 13852-3:2021**Kraanad. Ujuvkraanad. Osa 3: Kergujuvkraanad
Cranes - Offshore cranes - Part 3: Light offshore cranes**

This document applies to light offshore cranes including their supporting pedestals and structures. NOTE Supporting pedestal and structures such as columns and boom rests, are covered by this document to the extent where their main purpose is to support the crane. This document is applicable to light offshore cranes, whose structures are made of steel, and fulfil all of the following characteristics: - maximum rated capacity 15 tonnes or maximum static load moment 3 000 kNm; - limitation for off-board lifting operation up to $H_s = 2,0$ m and wind speed 15 m/s (3 s gust); - maximum number of working cycles class U1 ($C \leq 3,15 \times 10^4$) according to EN 13001-1. This document provides requirements for all significant hazards, hazardous situations and events relevant to light offshore cranes for lifting of goods and lifting of persons, when used as intended and under conditions foreseen by the risk assessment (see Clause 4). This document is applicable to light offshore cranes, which are manufactured after the date of approval by CEN of this document. This document is not applicable for: a) transportation, assembly, disabling, scrapping, installation or erecting of the crane; b) any item attached to the hook, such as loads, non-fixed load lifting attachments, lifting accessories, baskets, carriers and containers; c) lifting operations in ambient temperatures below -20 °C; d) lifting operations in ambient temperatures above 45 °C; e) lifting operations involving more than one crane; f) accidental loads as result of collisions, earthquakes, explosions, etc., which are not covered by exceptional loads defined in Table B.7; g) emergency personnel rescue operations (except training); h) subsea lifting operations; i) general purpose offshore cranes (covered by EN 13852-1), floating cranes and motion compensated cranes.

Keel: en

Alusdokumendid: EN 13852-3:2021

EVS-EN 528:2021**Rööbastel liikuvad virnastajad. Virnastajate ohutusnõuded
Rail dependent storage and retrieval equipment - Safety requirements for S/R machines**

This document applies to all types of Storage and Retrieval (S/R) machines, restricted to the rails on which they travel within and outside the aisles for the storage and retrieval of unit loads and/or long goods such as bar materials and/or for order picking or similar duties. These machines shall embody lifting means along a mast and may include lateral handling facilities. Also included is the transfer equipment used to change between aisles. Control of machines may range from manual to fully automatic. S/R-machine-related satellite vehicles according to definition 3.20 are included as a load-handling-device (LHD). References in this standard to racking, buildings and systems only apply where it is necessary to assess the hazards and risks at their interfaces with S/R machines. This document deals with all significant hazards relevant to rail dependent storage and retrieval equipment, when they are used under the conditions intended by the manufacturer including reasonably foreseeable misuse (see Annex F "List of significant hazards"). This document applies to machines and equipment that are manufactured after the date of issue of this document. Illustrations of examples of machines and transfer equipment to which this standard applies are shown in Annex A. Safety requirements and/or measures in this standard apply to equipment used under indoor conditions. However, additional risk assessments and safety measures need to be considered for uses in severe conditions, e.g. extremely high temperatures, loads, the nature of which could lead to a dangerous situation (e.g. especially brittle loads, explosives), earthquake effects and also contact with foodstuff. This document also deals with the technical requirements for electromagnetic compatibility (EMC).

Keel: en

Alusdokumendid: EN 528; EN 528:2021

Asendab dokumenti: EVS-EN 528:2008

CEN/TS 17445:2021**Geosynthetics - Standard test for the simulation of rainfall-induced erosion on the surface of a slope protected by geosynthetic erosion control products**

This document specifies an index test method for the simulation of rainfall-induced erosion on the surface of a slope protected by geosynthetic erosion control products. The test is normally carried out on specimens conditioned under a specified atmosphere. The test is applicable to most geosynthetics, but is especially suited to geosynthetic erosion control products.

Keel: en

Alusdokumendid: CEN/TS 17445:2021

EVS-EN ISO 17130:2021**Leather - Physical and mechanical tests - Determination of dimensional change (ISO 17130:2021)**

This document specifies a method of determining the dimensional change (shrinkage) of leathers caused by ageing. It is applicable to all leathers.

Keel: en

Alusdokumendid: ISO 17130:2021; EN ISO 17130:2021

Asendab dokumenti: EVS-EN ISO 17130:2013

EVS-EN ISO 25619-1:2021**Geosynthetics - Determination of compression behaviour - Part 1: Compressive creep properties (ISO 25619-1:2021)**

This document specifies index test methods for determining the compressive creep properties of geosynthetic products. The test specimens are subjected either to normal compressive loading or to a combination of normal compressive loading and shear loading. The test method with a normal load only (see Clause 5) is the standard method. The test method in which combined normal and shear loads are applied (see Clause 6) is intended for products that are sensitive to shear failure, i.e. which have a columnar or cusped structure. The tests are carried out on dry specimens or on specimens immersed in water. The test is intended to be carried out with the specimen immersed in water when any part of the geosynthetic product contains a hydrophilic polymer.

Keel: en

Alusdokumendid: ISO 25619-1:2021; EN ISO 25619-1:2021

Asendab dokumenti: EVS-EN ISO 25619-1:2009

EVS-EN ISO 27587:2021**Leather - Chemical tests - Determination of free formaldehyde in process auxiliaries (ISO 27587:2021)**

This document specifies a method for the determination of free formaldehyde, which is released under dynamic conditions when the sample is heated in an inert dry atmosphere, in process auxiliaries for leather. The analytical result obtained according to this procedure is expressed in milligrams per kilogram (mg/kg) sample.

Keel: en

Alusdokumendid: ISO 27587:2021; EN ISO 27587:2021

Asendab dokumenti: EVS-EN ISO 27587:2009

EVS-EN ISO 21187:2021**Milk - Quantitative determination of microbiological quality - Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results (ISO 21187:2021)**

This document gives guidelines for the establishment of a conversion relationship between the results of an alternative method and an anchor method, and its verification for the quantitative determination of the microbiological quality of milk. NOTE The conversion relationship can be used a) to convert results from an alternative method to the anchor basis or b) to convert results/limits, expressed on an anchor basis, to results in units of an alternative method.

Keel: en

Alusdokumendid: ISO 21187:2021; EN ISO 21187:2021

Asendab dokumenti: EVS-EN ISO 21187:2005

EVS-EN ISO 4120:2021**Sensory analysis - Methodology - Triangle test (ISO 4120:2021)**

This document specifies a procedure for determining whether a perceptible sensory difference or similarity exists between samples of two products. The method is a forced-choice procedure. The method is applicable whether a difference exists in a single sensory attribute or in several attributes. The method is statistically more efficient than the duo-trio test (described in ISO 10399), but has limited use with products that exhibit strong carryover and/or lingering flavours. The method is applicable even

when the nature of the difference is unknown [i.e. it determines neither the size nor the direction of difference between samples, nor is there any indication of the attribute(s) responsible for the difference]. The method is applicable only if the products are homogeneous. The method is effective for: a) determining that: - either a perceptible difference results (triangle testing for difference); - a perceptible difference does not result (triangle testing for similarity), when, for example, a change is made in ingredients, processing, packaging, handling or storage; b) selecting, training and monitoring assessors.

Keel: en

Alusdokumendid: ISO 4120:2021; EN ISO 4120:2021

Asendab dokumenti: EVS-EN ISO 4120:2008

73 MÄENDUS JA MAAVARAD

EVS-EN 16301:2021

Natural stone test methods - Determination of sensitivity to accidental staining

This document specifies a method to assess the sensitivity of natural stones when exposed to accidental staining. It defines a procedure for the application of the stains as well as the cleaning and the assessment of the surface appearance after cleaning. It also covers the possibility to assess the efficiency of a chemical treatment. Note that the method does not intend to present any de-staining technique.

Keel: en

Alusdokumendid: EN 16301:2021

Asendab dokumenti: EVS-EN 16301:2013

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 15663:2021

Petroleum, petrochemical and natural gas industries - Life cycle costing (ISO 15663:2021)

This document specifies requirements for and gives guidance on the application of life cycle costing to create value for the development activities and operations associated with drilling, exploitation, processing and transport of petroleum, petrochemical and natural gas resources. This document covers facilities and associated activities within different business categories (upstream, midstream, downstream and petrochemical). The life cycle costing process as described in this document is applicable when making decisions between competing options that are differentiated by cost and/or economic value. This document is not concerned with decision-making related to the economic performance of individual options or options differentiated by factors other than cost or economic value. Guidance is provided on the management methodology and application of life cycle costing in support of decision-making across life cycle phases. The extent of planning and management depends on the magnitude of the costs involved, the potential value that can be created and the life cycle phase. It also provides the means of identifying cost drivers and provides a cost-control framework for these cost drivers, allowing effective cost control and optimization over the entire life of an asset.

Keel: en

Alusdokumendid: ISO 15663:2021; EN ISO 15663:2021

Asendab dokumenti: EVS-EN ISO 15663-1:2007

EVS-EN ISO 21656:2021

Solid recovered fuels - Determination of ash content (ISO 21656:2021)

This Standard specifies a method for the determination of ash content of all solid recovered fuels.

Keel: en

Alusdokumendid: ISO 21656:2021; EN ISO 21656:2021

Asendab dokumenti: EVS-EN 15403:2011

EVS-EN ISO 21660-3:2021

Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample (ISO 21660-3:2021)

This International Standard specifies a method for the determination of moisture in an analysis sample by drying the sample in an oven. It is applicable to all solid recovered fuels.

Keel: en

Alusdokumendid: ISO 21660-3:2021; EN ISO 21660-3:2021

Asendab dokumenti: EVS-EN 15414-3:2011

EVS-EN ISO 21912:2021

Solid recovered fuels - Safe handling and storage of solid recovered fuels (ISO 21912:2021)

This International Standard provides principles and requirements for safe handling and storage of solid recovered fuels (SRF). The International Standard covers the handling, transportation and storage of SRF throughout the supply chain, from the point of reception of non-hazardous waste.

Keel: en

Alusdokumendid: ISO 21912:2021; EN ISO 21912:2021

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 17416:2021

Glass in building - Assessment of release of dangerous substances - Determination of emissions into indoor air from glass products

This document provides specific rules for the assessment of the release of dangerous substances from glass products into indoor air of buildings in complement to the horizontal rules given in EN 16516. This document addresses specifically products as mentioned in TC 129 Mandate - M135 Amendment 1 EN (2012), i.e. products covered by the following European Standards: EN 1036-2 and EN 16477-21. However, this document can also be applied to other glass products containing volatile organic compounds (VOC) such as: EN 1279-5, EN 15755-1 and EN 14449. Glass products that do not contain organic compounds are not in the scope of this document (see Annex A). This document addresses the release of dangerous substances into indoor air from construction products, although it can also be applied to glass products used in other applications such as furniture.

Keel: en

Alusdokumendid: EN 17416:2021

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 17334:2021

Glued-in rods in glued structural timber products - Testing, requirements and bond shear strength classification

This document specifies test methods for the determination of the suitability of two component epoxy and two component polyurethane adhesives for glued-in steel rods in glued laminated timber (GLT) and glued solid timber (GST) according to EN 14080, cross laminated timber (CLT) according to EN 16351 and laminated veneer lumber (LVL) according to EN 14374. NOTE 1 The English term "glued-in rods" has been chosen as the established term instead of "bonded-in rods". It specifies performance requirements and the determination of characteristic bond strength values for such adhesives for the prefabrication under factory or factory-like conditions of joints between load-bearing timber products and steel rods only. This document does not cover the performance of adhesives for on-site gluing (except for factory-like conditions). NOTE 2 Factory like conditions provide shelter from direct weathering and dirt, prevent undue movement of the joints during curing of the adhesive and provide temperature and relative humidity conditions and control as in factory production environment. This document also covers glued-in rods in surface treated wood. It does not cover glued-in rods in modified and stabilized wood with considerably reduced swelling and shrinkage properties, e.g. acetylated wood, heat treated wood, polymer impregnated wood and preservative treated wood. The joints are intended for load-bearing timber structures in service classes 1 and 2 according to EN 1995-1-1 which are loaded predominantly static or quasi static according to EN 1990 and EN 1991-1-1. The joints are intended for load-bearing timber structures which are not subjected to a prolonged exposure to temperatures over 60 °C. A design procedure for glued-in rods in glued structural timber products is given in the informative Annex A. NOTE 3 Several provisions of this document can apply to in situ repair and upgrading of existing timber structures including (cracked/fissured) solid wood beams. For adhesives for glued-in rods used in on-site repair or applications with solid timber additional provisions apply, e.g. related to rheology and site temperature conditions. Such provisions are not part of this document.

Keel: en

Alusdokumendid: EN 17334:2021

EVS-EN 17418:2021

Two-component epoxy and polyurethane adhesives for on-site repair of cracked timber structures - Testing, requirements and repair strength verification

This document specifies test methods and requirements for two-component epoxy and polyurethane adhesives for on-site repair of cracks in timber structures made of strength graded structural timber with rectangular cross-section, structural finger-jointed timber, glued solid timber and glued laminated timber made of softwood species by injection of the repair adhesive with glue line thicknesses up to 8 mm. The adhesive can also be used to rehabilitate cracks in the area of joints made by nails, screws, dowel-type fasteners and dowels with threads. The adhesive can also be used to fill gaps between the faces of structural components. This document addresses exclusively adhesives which fulfil the requirements according to Clause 8. NOTE There is no sufficient experience with adhesives which do not fulfil the requirements in 8.4.4. This document also covers the repair of surface treated wood. It does not cover the repair of preservative treated wood, modified and stabilized wood with considerably reduced swelling and shrinkage properties, e.g. acetylated wood, heat treated wood and polymer impregnated wood. The adhesive is intended for the repair of load bearing timber structures not subjected to temperatures more than 60 °C over a longer time in service classes 1 and 2 according to EN 1995-1-1 which are loaded predominantly static or non-fatigue quasi static, see EN 1990 and EN 1991-1-1. A verification of quality and bond line integrity of the on-site repair bonding is given in an informative Annex A.

Keel: en

Alusdokumendid: EN 17418:2021

EVS-EN ISO 1628-1:2021

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles (ISO 1628-1:2021)

This document defines the general conditions for the determination of the reduced viscosity, intrinsic viscosity and $[\eta]$ value of organic polymers in dilute solution. It defines the standard parameters that are applied to viscosity measurement. This document is used to develop standards for measuring the viscosities in solution of individual types of polymer. It is also used to measure and report the viscosities of polymers in solution for which no separate standards exist.

Keel: en
Alusdokumendid: ISO 1628-1:2021; EN ISO 1628-1:2021
Asendab dokumenti: EVS-EN ISO 1628-1:2009
Asendab dokumenti: EVS-EN ISO 1628-1:2009/A1:2012

91 EHITUSMATERJALID JA EHITUS

CEN/TS 17606:2021

Installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical information for the installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. The term "refrigerating system" used in this document includes air conditioners and heat pumps. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications related to the installation of equipment. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - design and structural specifications for the installation site; - marking and labelling of equipment parts and installation site; - good practice for installing equipment, including tools and personal protection; - risk mitigation methods and related refrigerant charge limits; - risk assessments; - competence of personnel; - safety testing of systems and equipment.

Keel: en
Alusdokumendid: CEN/TS 17606:2021

CEN/TS 17607:2021

Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards

This document provides technical specifications for the operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, in particular from class A3, complementing existing standards. Refrigerants from toxicity class B are excluded from this scope. This document includes risk mitigation measures not yet addressed in existing standards for specific refrigerant classes, or not fully reflecting the state of the art, and establishes complementary technical specifications for the operation, servicing, maintenance, repair and decommissioning. The following aspects are considered: - explosive atmosphere workplace and equipment; NOTE Further information can be found in Directive 99/92/EC (ATEX Workplace Directive) and Directive 2014/34/EU (ATEX Equipment Directive). - good practice for the operation, servicing, maintenance, repair and decommissioning, including tools and personal protection; - risk mitigation methods; - risk assessments; - competence of personnel; - health and safety of personnel; - location of the equipment.

Keel: en
Alusdokumendid: CEN/TS 17607:2021

EVS-EN 12390-18:2021

Testing hardened concrete - Part 18: Determination of the chloride migration coefficient

This document specifies the procedure for obtaining the non-steady-state chloride migration coefficient of specimens of hardened concrete at a specified age (see Annex A). The test procedure does not take into account any interaction of concrete with the saline solution over time. The test result is a durability indicator with respect to the resistance of the concrete investigated against chloride penetration. The test procedure does not apply to concrete specimens with surface treatments such as silanes. If the aggregate or any other embedded elements (such as metallic fibres or conducting particles) are electrically conductive, this will influence the magnitude of chloride migration. This fact is taken into account when establishing threshold values. It prevents comparison of chloride migration values between concretes if the aggregates induce a difference of half an order of magnitude (higher or lower) of chloride migration.

Keel: en
Alusdokumendid: EN 12390-18:2021

EVS-EN 14500:2021

Blinds and shutters - Thermal and visual comfort - Test and calculation methods

This document defines test and calculation methods for the determination of the reflection and transmission characteristics to be used to determine the thermal and visual comfort performance classes of external blinds, internal blinds and shutters, as specified in EN 14501:2021. This document also specifies the method to determine the darkening performance of external blinds, internal blinds and shutters, as specified in EN 14501:2021. This document applies to the whole range of shutters, awnings and blinds defined in EN 12216, described as solar protection devices in this document. Some of the characteristics (e.g. g_{tot}) are not applicable when products are not parallel to the glazing (e.g. folding-arm awnings). NOTE 1 Informative Annex D presents an approach for the determination of characteristics in case of projectable products. Retro-reflecting products are outside the scope of this document for reflectance measurements. NOTE 2 Retro-reflecting products refer to products for which the reflected radiation comes back to the light source in the same direction. Products using a significant amount of fluorescent are outside the scope of this document. NOTE 3 "Significant amount" refers to materials which are designed to be fluorescent or retroreflective and marketed as such. It does not refer to trace amounts of materials exhibiting fluorescence, e.g. for colour or identification purposes. Small amounts of materials such as titanium dioxide, which are not primarily included to achieve fluorescence, can be present.

Keel: en
Alusdokumendid: EN 14500:2021
Asendab dokumenti: EVS-EN 14500:2008

EVS-EN 14501:2021

Blinds and shutters - Thermal and visual comfort - Performance characteristics and classification

This document applies to the whole range of shutters, awnings and blinds defined in EN 12216, described as solar protection devices in this document. It specifies the corresponding properties and classifications: - relating to thermal comfort: - the solar factor (total solar energy transmittance); - the secondary heat transfer factor; - the direct solar transmittance; - relating to visual comfort: - the darkening performance; - the night privacy; - the visual contact with the outside; - the glare control; - the daylight utilization; - the rendering of colours. NOTE For other purposes, more detailed methods using different parameters can be used. Some of the characteristics (e.g. g_{tot}) are not applicable when solar protection devices are not parallel to the glazing (e.g. folding-arm awnings). This document is not applicable to the solar protection devices using fluorescent materials.

Keel: en
Alusdokumendid: EN 14501:2021
Asendab dokumenti: EVS-EN 14501:2005

EVS-EN 16301:2021

Natural stone test methods - Determination of sensitivity to accidental staining

This document specifies a method to assess the sensitivity of natural stones when exposed to accidental staining. It defines a procedure for the application of the stains as well as the cleaning and the assessment of the surface appearance after cleaning. It also covers the possibility to assess the efficiency of a chemical treatment. Note that the method does not intend to present any de-staining technique.

Keel: en
Alusdokumendid: EN 16301:2021
Asendab dokumenti: EVS-EN 16301:2013

EVS-EN 1992-1-1:2005+A1:2015/NA:2015/AC:2021

Eurokoodeks 2: Betoonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonetele. Eesti standardi rahvuslik lisa

Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings - Estonian National Annex

Standardi EVS-EN 1992-1-1:2005+A1:2015/NA:2015 parandus

Keel: en, et
Parandab dokumenti: EVS-EN 1992-1-1:2005+A1:2015/NA:2015

EVS-EN 206:2014+A2:2021

Betoon. Spetsifitseerimine, toimivus, tootmine ja vastavus Concrete - Specification, performance, production and conformity

(1) See standard rakendub monoliitsete ja monteeritavate konstruktsioonide ning hoonete ja rajatiste betoonelementide valmistamisel kasutatavale betoonile. (2) Selles Euroopa standardis käsitletav betoon võib olla: normaal-, raske- ja kergbetoon; platsibetoon, kaubabetoon või betoontoodete tehases valmistatav betoon; tihendatud või isetihenev, mis ei sisalda peale manustatud õhu olulisel määral kaasatud õhku. (3) Standard spetsifitseerib nõuded: betooni komponentidele; betoonisegu ja kivistunud betooni omadustele ning nende vastavuse tõestamisele; betooni koostisele esitatavatele piirangutele; betooni omaduste spetsifitseerimisele; betoonisegu tarnimisele; tootmisohje meetoditele; vastavuskriteeriumidele ja vastavuse hindamisele. (4) Selle standardi käsitlusalasse kuuluvatele teatud toodetele (nt betoonelementidele) või menetlustele kehtestatud teised Euroopa standardid võivad nõuda või lubada kõrvalekaldeid. (5) Eriliste rakenduste korral võivad teised Euroopa standardid esitada täiendavaid või erinevaid nõudeid, nagu: teede ja muude liikluspindade ehitamisel kasutatavale betoonile (nt standardi EN 13877-1 kohased betoonsillutised); eritehnoloogiatele (nt standardi EN 14487 kohane pritsbetoon). (6) Eriliste betoonitüüpide ja rakenduste puhul võidakse spetsifitseerida täiendavaid nõudeid või erinevaid katsemeetodeid, näiteks: massiivkonstruktsioonide betoon (nt tammid); kuivbetoonisegud; betoon, mille D_{max} on 4 mm või väiksem (mört); isetihenevad betoonid (ITB), mis sisaldavad kerg- või rasket täitematerjali või kiudu; korebetoon (nt drenide vett läbilaskev betoon). (7) See standard ei rakendu poorbetoonile; vahtbetoonile; betoonile, mille tihedus on alla 800 kg/m³; tulekindlale betoonile. (8) See standard ei käsitle terve- ja ohutusnõudeid töötajate kaitsmiseks betooni tootmisel ja tarnimisel.

Keel: en, et
Alusdokumendid: EN 206:2013+A2:2021
Asendab dokumenti: EVS-EN 206:2014+A1:2016

EVS-EN 1793-6:2018+A1:2021**Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - In situ values of airborne sound insulation under direct sound field conditions**

This document describes a test method for measuring a quantity representative of the intrinsic characteristics of airborne sound insulation for traffic noise reducing devices: the sound insulation index. The test method is intended for the following applications: - determination of the intrinsic characteristics of airborne sound insulation of noise reducing devices to be installed along roads, to be measured either in situ or in laboratory conditions; - determination of the in situ intrinsic characteristics of airborne sound insulation of noise reducing devices in actual use; - comparison of design specifications with actual performance data after the completion of the construction work; - verification of the long term performance of noise reducing devices (with a repeated application of the method); - interactive design process of new products, including the formulation of installation manuals. The test method is not intended for the determination of the intrinsic characteristics of airborne sound insulation of noise reducing devices to be installed in reverberant conditions, e.g. inside tunnels or deep trenches or under covers. Results are expressed as a function of frequency in one-third octave bands, where possible, between 100 Hz and 5 kHz. If it is not possible to get valid measurement results over the whole frequency range indicated, the results will be given in a restricted frequency range and the reasons for the restriction(s) will be clearly reported.

Keel: en

Alusdokumendid: EN 1793-6:2018+A1:2021

Asendab dokumenti: EVS-EN 1793-6:2018

EVS-EN 60730-2-5:2015/A2:2021**Elektrilised automaatjuhtimisseadmed. Osa 2-5: Erinõuded automaatsetele elektrilistele põletijuhtimissüsteemidele****Automatic electrical controls - Part 2-5: Particular requirements for automatic electrical burner control systems**

Amendment to EN 60730-2-5:2015

Keel: en

Alusdokumendid: IEC 60730-2-5:2013/A2:2021; EN 60730-2-5:2015/A2:2021

Muudab dokumenti: EVS-EN 60730-2-5:2015

EVS-EN ISO 4918:2021**Resilient, textile and laminate floor coverings - Castor chair test (ISO 4918:2016)**

ISO 4918:2016 specifies methods for determining the change of appearance and stability of a textile floor covering or any damage caused by detachment of layers, opening of joints, or crazing of a resilient or laminate floor covering under the movement of a castor chair.

Keel: en

Alusdokumendid: ISO 4918:2016; EN ISO 4918:2021

Asendab dokumenti: EVS-EN 425:2002

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 17677-1:2019

Resistance welding - Vocabulary - Part 1: Spot, projection and seam welding (ISO 17677-1:2019)

Keel: en

Alusdokumendid: ISO 17677-1:2019; EN ISO 17677-1:2019

Asendatud järgmise dokumendiga: EVS-EN ISO 17677-1:2021

Standardi staatus: Kehtetu

EVS-EN ISO 22300:2018

Security and resilience - Vocabulary (ISO 22300:2018)

Keel: en

Alusdokumendid: ISO 22300:2018; EN ISO 22300:2018

Asendatud järgmise dokumendiga: EVS-EN ISO 22300:2021

Standardi staatus: Kehtetu

ISO/TS 80004-6:2013 et

Nanotehnoloogiad. Sõnastik. Osa 6: Nanoobjektide karakteriseerimine

Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2013 et)

Keel: et

Alusdokumendid: ISO/TS 80004-6:2013

Standardi staatus: Kehtetu

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

CLC/TS 50459-1:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-1:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-1:2021

Standardi staatus: Kehtetu

CLC/TS 50459-2:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 2: Ergonomic arrangements of GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-2:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-2:2021

Standardi staatus: Kehtetu

CLC/TS 50459-3:2016

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 3: Ergonomic arrangements of non ETCS information

Keel: en

Alusdokumendid: CLC/TS 50459-3:2016

Asendatud järgmise dokumendiga: CLC/TS 50459-3:2021

Standardi staatus: Kehtetu

EVS-EN ISO 22300:2018

Security and resilience - Vocabulary (ISO 22300:2018)

Keel: en

Alusdokumendid: ISO 22300:2018; EN ISO 22300:2018

Asendatud järgmise dokumendiga: EVS-EN ISO 22300:2021

Standardi staatus: Kehtetu

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 21187:2005

Milk - Quantitative determination of bacteriological quality - Guidance for establishing and verifying a conversion relationship between routine method results and anchor method results

Keel: en

Alusdokumendid: ISO 21187:2004; EN ISO 21187:2005

Asendatud järgmise dokumendiga: EVS-EN ISO 21187:2021

Standardi staatus: Kehtetu

ISO/TS 80004-6:2013 et

Nanotehnoloogiad. Sõnastik. Osa 6: Nanoobjektide karakteriseerimine

Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2013 et)

Keel: et

Alusdokumendid: ISO/TS 80004-6:2013

Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 4823:2015

Dentistry - Elastomeric impression materials (ISO 4823:2015)

Keel: en

Alusdokumendid: ISO 4823:2015; EN ISO 4823:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 4823:2021

Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CLC/TS 50459-1:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-1:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-1:2021

Standardi staatus: Kehtetu

CLC/TS 50459-2:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 2: Ergonomic arrangements of GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-2:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-2:2021

Standardi staatus: Kehtetu

CLC/TS 50459-3:2016

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 3: Ergonomic arrangements of non ETCS information

Keel: en

Alusdokumendid: CLC/TS 50459-3:2016

Asendatud järgmise dokumendiga: CLC/TS 50459-3:2021

Standardi staatus: Kehtetu

EVS-EN 50131-2-5:2008

Alarm systems - Intrusion and hold-up systems - Part 2-5: Requirements for combined passive infrared and ultrasonic detectors

Keel: en

Alusdokumendid: EN 50131-2-5:2008

Parandatud järgmise dokumendiga: EVS-EN 50131-2-5:2008/IS1:2014

Standardi staatus: Kehtetu

EVS-EN 50131-2-5:2008/IS1:2014

Alarm systems - Intrusion and hold-up systems - Part 2-5: Requirements for combined passive infrared and ultrasonic detectors

Keel: en

Alusdokumendid: EN 50131-2-5:2008/IS1:2014

Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

EVS-EN 1793-6:2018

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - In situ values of airborne sound insulation under direct sound field conditions

Keel: en

Alusdokumendid: EN 1793-6:2018

Asendatud järgmise dokumendiga: EVS-EN 1793-6:2018+A1:2021

Standardi staatus: Kehtetu

EVS-EN 60584-3:2008

Thermocouples - Part 3: Extension and compensating cables - Tolerances and identification systems

Keel: en

Alusdokumendid: IEC 60584-3:2007; EN 60584-3:2008

Asendatud järgmise dokumendiga: EVS-EN IEC 60584-3:2021

Standardi staatus: Kehtetu

EVS-EN ISO 11904-2:2005

Acoustics - Determination of sound immission from sound sources placed close to the ear - Part 2: Technique using a manikin

Keel: en

Alusdokumendid: ISO 11904-2:2004; EN ISO 11904-2:2004

Asendatud järgmise dokumendiga: EVS-EN ISO 11904-2:2021

Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 14876:2007

Transportable gas cylinders - Periodic inspection and testing of welded steel pressure drums

Keel: en

Alusdokumendid: EN 14876:2007

Standardi staatus: Kehtetu

EVS-EN 15888:2014

Transporditavad gaasiballoonid. Balloonipakett. Perioodiline ülevaatus ja katsetamine Transportable gas cylinders - Cylinder bundles - Periodic inspection and testing

Keel: en

Alusdokumendid: EN 15888:2014

Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOGIA

EVS-EN 61784-3:2016

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

Keel: en

Alusdokumendid: IEC 61784-3:2016; EN 61784-3:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 61784-3:2021

Muudetud järgmise dokumendiga: EVS-EN 61784-3:2016/A1:2017

Standardi staatus: Kehtetu

EVS-EN 61784-3:2016/A1:2017

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

Keel: en
Alusdokumendid: IEC 61784-3:2016/A1:2017; EN 61784-3:2016/A1:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-3:2021
Standardi staatus: Kehtetu

EVS-EN 62769-1:2015

Field device integration (FDI) - Part 1: Overview

Keel: en
Alusdokumendid: IEC 62769-1:2015; EN 62769-1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-1:2021
Standardi staatus: Kehtetu

EVS-EN 62769-2:2015

Field Device Integration (FDI) - Part 2: FDI Client

Keel: en
Alusdokumendid: IEC 62769-2:2015; EN 62769-2:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-2:2021
Standardi staatus: Kehtetu

EVS-EN 62769-3:2015

Field Device Integration (FDI) - Part 3: FDI Server

Keel: en
Alusdokumendid: IEC 62769-3:2015; EN 62769-3:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-3:2021
Standardi staatus: Kehtetu

EVS-EN 62769-4:2015

Field Device Integration (FDI) - Part 4: FDI Packages

Keel: en
Alusdokumendid: IEC 62769-4:2015; EN 62769-4:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-4:2021
Standardi staatus: Kehtetu

EVS-EN 62769-5:2015

Field Device Integration (FDI) - Part 5: FDI Information Model

Keel: en
Alusdokumendid: IEC 62769-5:2015; EN 62769-5:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-5:2021
Standardi staatus: Kehtetu

EVS-EN 62769-6:2015

Field Device Integration (FDI) - Part 6: FDI Technology Mapping

Keel: en
Alusdokumendid: IEC 62769-6:2015; EN 62769-6:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-6:2021
Standardi staatus: Kehtetu

EVS-EN 62769-7:2015

Field Device Integration (FDI) - Part 7: FDI Communication Devices

Keel: en
Alusdokumendid: IEC 62769-7:2015; EN 62769-7:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-7:2021
Standardi staatus: Kehtetu

EVS-EN ISO 17677-1:2019

Resistance welding - Vocabulary - Part 1: Spot, projection and seam welding (ISO 17677-1:2019)

Keel: en
Alusdokumendid: ISO 17677-1:2019; EN ISO 17677-1:2019
Asendatud järgmise dokumendiga: EVS-EN ISO 17677-1:2021
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 61215-1-2:2017

Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules

Keel: en

Alusdokumendid: IEC 61215-1-2:2016; EN 61215-1-2:2017

Asendatud järgmise dokumendiga: EVS-EN IEC 61215-1-2:2021

Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50110-2:2010

Operation of electrical installations - Part 2: National annexes

Keel: en

Alusdokumendid: EN 50110-2:2010

Asendatud järgmise dokumendiga: EVS-EN 50110-2:2021

Standardi staatus: Kehtetu

EVS-EN 60320-2-1:2001

Seadme-pistikühendused majapidamis- ja muuks taoliseks üldkasutuseks. Osa 2-1:

Ömblusmasinate pistikühendused

Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers

Keel: en

Alusdokumendid: IEC 60320-2-1:2000; EN 60320-2-1:2000

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-2-1:2021

Standardi staatus: Kehtetu

EVS-EN 60320-2-3:2002

Appliance couplers for household and similar general purposes - Part 2: Appliance couplers with a degree of protection higher than IPXO

Keel: en

Alusdokumendid: IEC 60320-2-3:1998; EN 60320-2-3:1998

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-2-3:2021

Muudetud järgmise dokumendiga: EVS-EN 60320-2-3:2002/A1:2005

Standardi staatus: Kehtetu

EVS-EN 60320-2-3:2002/A1:2005

Appliance couplers for household and similar general purposes - Part 2: Appliance couplers with a degree of protection higher than IPXO

Keel: en

Alusdokumendid: IEC 60320-2-3:1998/A1:2004; EN 60320-2-3:1998/A1:2005

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-2-3:2021

Standardi staatus: Kehtetu

EVS-EN 60320-2-4:2006

Kodumajapidamis- ja muude taoliste üldtarbeseadmete pistikühendused. Osa 2-4: Seadme kaalust sõltuvad pistikühendused

Appliance couplers for household and similar general purposes Part 2-4: Couplers dependent on appliance weight for engagement

Keel: en

Alusdokumendid: IEC 60320-2-4:2005; EN 60320-2-4:2006

Asendatud järgmise dokumendiga: EVS-EN IEC 60320-2-4:2021

Muudetud järgmise dokumendiga: EVS-EN 60320-2-4:2006/A1:2010

Standardi staatus: Kehtetu

EVS-EN 60320-2-4:2006/A1:2010

Majapidamis- ja muude taoliste üldtarbeseadmete seadme-pistikühendused. Osa 2-4: Seadme kaalust sõltuva ühendatusega seadme-pistikühendused

Appliance couplers for household and similar general purposes - Part 2-4: Appliance couplers dependent on appliance weight for engagement

Keel: en
Alusdokumendid: IEC 60320-2-4:2005/A1:2009; EN 60320-2-4:2006/A1:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60320-2-4:2021
Standardi staatus: Kehtetu

EVS-EN 60598-1:2015

Valgustid. Osa 1: Üldnõuded ja katsetused Luminaires - Part 1: General requirements and tests

Keel: en
Alusdokumendid: IEC 60598-1:2014; EN 60598-1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60598-1:2015+A1:2018
Muudetud järgmise dokumendiga: EVS-EN 60598-1:2015/A1:2018
Parandatud järgmise dokumendiga: EVS-EN 60598-1:2015/AC:2016
Standardi staatus: Kehtetu

EVS-EN 60598-1:2015/A1:2018

Valgustid. Osa 1: Üldnõuded ja katsetused Luminaires - Part 1: General requirements and tests

Keel: en
Alusdokumendid: IEC 60598-1:2014/A1:2017; EN 60598-1:2015/A1:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60598-1:2015+A1:2018
Standardi staatus: Kehtetu

EVS-EN 60598-1:2015/AC:2016

Valgustid. Osa 1: Üldnõuded ja katsetused Luminaires - Part 1: General requirements and tests

Keel: en
Alusdokumendid: IEC 60598-1:2014/COR2:2015; EN 60598-1:2015/AC:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 60598-1:2015+A1:2018
Standardi staatus: Kehtetu

EVS-EN 60598-1:2015+A1:2018

Valgustid. Osa 1: Üldnõuded ja katsetused Luminaires - Part 1: General requirements and tests

Keel: en
Alusdokumendid: IEC 60598-1:2014; EN 60598-1:2015; IEC 60598-1:2014/COR2:2015; EN 60598-1:2015/AC:2016; IEC 60598-1:2014/A1:2017; EN 60598-1:2015/A1:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-1:2021
Standardi staatus: Kehtetu

EVS-EN 60799:2001

Juhtmekimbud ja vaheühendus-juhtmekimbud Cord sets and interconnection cord sets

Keel: en
Alusdokumendid: IEC 60799:1998; EN 60799:1998
Asendatud järgmise dokumendiga: EVS-EN IEC 60799:2021
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61760-3:2010

Surface mounting technology - Part 3: Standard method for the specification of components for Through Hole Reflow (THR) soldering

Keel: en
Alusdokumendid: IEC 61760-3:2010; EN 61760-3:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 61760-3:2021
Standardi staatus: Kehtetu

EVS-EN 301 549 V3.1.1:2019

IKT toodete ja teenuste juurdepääsu nõuded Accessibility requirements for ICT products and services

Keel: en
Alusdokumendid: EN 301 549 V3.1.1
Asendatud järgmise dokumendiga: EVS-EN 301 549 V3.2.1:2021
Standardi staatus: Kehtetu

EVS-EN 55014-1:2017

Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 1: Emissioon Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

Keel: en
Alusdokumendid: CISPR 14-1:2016; CISPR 14-1:2016/COR1:2016; EN 55014-1:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 55014-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 55014-1:2017+A11:2020
Muudetud järgmise dokumendiga: EN 55014-1:2017/prA1 {fragment 4}:2019
Muudetud järgmise dokumendiga: EN 55014-1:2017/prA1 {fragment 5}:2019
Muudetud järgmise dokumendiga: EN 55014-1:2017/prA1_fragment 2:2018
Muudetud järgmise dokumendiga: EN 55014-1:2017/prA1_fragment_3:2018
Muudetud järgmise dokumendiga: EVS-EN 55014-1:2017/A11:2020
Standardi staatus: Kehtetu

EVS-EN 55014-1:2017/A11:2020

Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 1: Emissioon Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

Keel: en
Alusdokumendid: EN 55014-1:2017/A11:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 55014-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 55014-1:2017+A11:2020
Standardi staatus: Kehtetu

EVS-EN 55014-1:2017+A11:2020

Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 1: Emissioon Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission

Keel: en
Alusdokumendid: CISPR 14-1:2016; CISPR 14-1:2016/COR1:2016; EN 55014-1:2017; EN 55014-1:2017/A11:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 55014-1:2021
Standardi staatus: Kehtetu

EVS-EN 55014-2:2015

Elektromagnetiline ühilduvus. Nõuded majapidamismasinadele, elektrilistele tööriistadele ja nendesarnastele seadmetele. Osa 2: Häiringukindlus. Tooteperekonna standard Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard

Keel: en
Alusdokumendid: EN 55014-2:2015; CISPR 14-2:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 55014-2:2021
Standardi staatus: Kehtetu

EVS-EN 60793-1-34:2006

Optical fibres - Part 1-34: Measurement methods and test procedures - Fibre curl

Keel: en
Alusdokumendid: IEC 60793-1-34:2006; EN 60793-1-34:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60793-1-34:2021
Standardi staatus: Kehtetu

EVS-EN 61300-2-14:2013

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power (IEC 61300-2-14:2012)

Keel: en

Alusdokumendid: IEC 61300-2-14:2012; EN 61300-2-14:2013

Asendatud järgmise dokumendiga: EVS-EN IEC 61300-2-14:2021

Standardi staatus: Kehtetu

EVS-EN 62106:2015

Raadioandmeedastussüsteemi (RDS) spetsifikatsioon VHF/FM raadioringhäälingule raadiosagedusvahemikus 87,5 MHz kuni 108,0 MHz

Specification of the radio data system (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 MHz to 108,0 MHz

Keel: en, et

Alusdokumendid: IEC 62106:2015; EN 62106:2015

Standardi staatus: Kehtetu

EVS-EN IEC 60794-1-22:2018

Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods

Keel: en

Alusdokumendid: IEC 60794-1-22:2017; EN IEC 60794-1-22:2018

Asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-211:2021

Standardi staatus: Kehtetu

EVS-EN IEC 62680-1-3:2018

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

Keel: en

Alusdokumendid: IEC 62680-1-3:2018; EN IEC 62680-1-3:2018

Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-3:2021

Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN/TS 16157-4:2014

Intelligent transport systems - DATEX II data exchange specifications for traffic management and information - Part 4: Variable Message Sign (VMS) Publications

Keel: en

Alusdokumendid: CEN/TS 16157-4:2014

Asendatud järgmise dokumendiga: EVS-EN 16157-4:2021

Standardi staatus: Kehtetu

CLC/TS 50459-1:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-1:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-1:2021

Standardi staatus: Kehtetu

CLC/TS 50459-2:2015

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 2: Ergonomic arrangements of GSM-R information

Keel: en

Alusdokumendid: CLC/TS 50459-2:2015

Asendatud järgmise dokumendiga: CLC/TS 50459-2:2021

Standardi staatus: Kehtetu

CLC/TS 50459-3:2016

Railway applications - Communication, signalling and processing systems - European Rail Traffic Management System - Driver-Machine Interface - Part 3: Ergonomic arrangements of non ETCS information

Keel: en

Alusdokumendid: CLC/TS 50459-3:2016

Asendatud järgmise dokumendiga: CLC/TS 50459-3:2021

Standardi staatus: Kehtetu

EVS-EN 61784-3:2016

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

Keel: en

Alusdokumendid: IEC 61784-3:2016; EN 61784-3:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 61784-3:2021

Muudetud järgmise dokumendiga: EVS-EN 61784-3:2016/A1:2017

Standardi staatus: Kehtetu

EVS-EN 61784-3:2016/A1:2017

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions

Keel: en

Alusdokumendid: IEC 61784-3:2016/A1:2017; EN 61784-3:2016/A1:2017

Asendatud järgmise dokumendiga: EVS-EN IEC 61784-3:2021

Standardi staatus: Kehtetu

EVS-EN 62769-1:2015

Field device integration (FDI) - Part 1: Overview

Keel: en

Alusdokumendid: IEC 62769-1:2015; EN 62769-1:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62769-1:2021

Standardi staatus: Kehtetu

EVS-EN 62769-2:2015

Field Device Integration (FDI) - Part 2: FDI Client

Keel: en

Alusdokumendid: IEC 62769-2:2015; EN 62769-2:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62769-2:2021

Standardi staatus: Kehtetu

EVS-EN 62769-3:2015

Field Device Integration (FDI) - Part 3: FDI Server

Keel: en

Alusdokumendid: IEC 62769-3:2015; EN 62769-3:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62769-3:2021

Standardi staatus: Kehtetu

EVS-EN 62769-4:2015

Field Device Integration (FDI) - Part 4: FDI Packages

Keel: en

Alusdokumendid: IEC 62769-4:2015; EN 62769-4:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62769-4:2021

Standardi staatus: Kehtetu

EVS-EN 62769-5:2015

Field Device Integration (FDI) - Part 5: FDI Information Model

Keel: en

Alusdokumendid: IEC 62769-5:2015; EN 62769-5:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62769-5:2021

Standardi staatus: Kehtetu

EVS-EN 62769-6:2015

Field Device Integration (FDI) - Part 6: FDI Technology Mapping

Keel: en

Alusdokumendid: IEC 62769-6:2015; EN 62769-6:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-6:2021
Standardi staatus: Kehtetu

EVS-EN 62769-7:2015

Field Device Integration (FDI) - Part 7: FDI Communication Devices

Keel: en
Alusdokumendid: IEC 62769-7:2015; EN 62769-7:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-7:2021
Standardi staatus: Kehtetu

EVS-EN IEC 62680-1-3:2018

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

Keel: en
Alusdokumendid: IEC 62680-1-3:2018; EN IEC 62680-1-3:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-3:2021
Standardi staatus: Kehtetu

39 TÄPPISMEHAANIKA. JUVEELITOOTED

EVS-EN ISO 11426:2016

Jewellery - Determination of gold in gold jewellery alloys - Cupellation method (fire assay) (ISO 11426:2014)

Keel: en
Alusdokumendid: ISO 11426:2014; EN ISO 11426:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 11426:2021
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 13749:2011

Raudteealased rakendused. Rattapaarid ja pöördvankrid. Pöördvankri raami konstruktsiooninõuete spetsifitseerimise meetod Railway applications - Wheelsets and bogies - Method of specifying the structural requirements of bogie frames

Keel: en
Alusdokumendid: EN 13749:2011
Asendatud järgmise dokumendiga: EVS-EN 13749:2021
Standardi staatus: Kehtetu

EVS-EN 15807:2011

Raudteealased rakendused. Suruõhkpiduri vagunitevahelised ühendused Railway applications - Pneumatic half couplings

Keel: en
Alusdokumendid: EN 15807:2011
Asendatud järgmise dokumendiga: EVS-EN 15807:2021
Standardi staatus: Kehtetu

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 61924-2:2013

Maritime navigation and radiocommunication equipment and systems - Integrated navigation systems - Part 2: Modular structure for INS - Operational and performance requirements, methods of testing and required test results (IEC 61924-2:2012)

Keel: en
Alusdokumendid: IEC 61924-2:2012; EN 61924-2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61924-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 7840:2018

Small craft - Fire-resistant fuel hoses (ISO 7840:2013)

Keel: en

Alusdokumendid: ISO 7840:2013; EN ISO 7840:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 7840:2021
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3475-512:2002

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 512: Flexure endurance

Keel: en
Alusdokumendid: EN 3475-512:2002
Asendatud järgmise dokumendiga: EVS-EN 3475-512:2021
Standardi staatus: Kehtetu

EVS-EN 4035:2006

Aerospace series - Rod ends, adjustable with self-aligning double row ball bearing in corrosion resisting steel, reduced internal radial clearance and threaded shank in titanium alloy - Dimensions and loads

Keel: en
Alusdokumendid: EN 4035:2006
Asendatud järgmise dokumendiga: EVS-EN 4035:2021
Standardi staatus: Kehtetu

EVS-EN 4036:2006

Aerospace series - Rod ends, adjustable with self-aligning double row ball bearing and threaded shank in corrosion resisting steel, reduced internal radial clearance - Dimensions and loads

Keel: en
Alusdokumendid: EN 4036:2006
Asendatud järgmise dokumendiga: EVS-EN 4036:2021
Standardi staatus: Kehtetu

53 TÖSTE- JA TEISALDUS-SEADMED

EVS-EN 13001-2:2014

Kraana ohutus. Üldine ehitus. Osa 2: Koormuse mõjud Crane safety - General design - Part 2: Load actions

Keel: en
Alusdokumendid: EN 13001-2:2014
Asendatud järgmise dokumendiga: EVS-EN 13001-2:2021
Standardi staatus: Kehtetu

EVS-EN 528:2008

Rööbastel liikuvad virnastid ja mahatõsturid. Ohutusnõuded Rail dependent storage and retrieval equipment - Safety requirements

Keel: en
Alusdokumendid: EN 528:2008
Asendatud järgmise dokumendiga: EVS-EN 528:2021
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 17130:2013

Leather - Physical and mechanical tests - Determination of dimensional change (ISO 17130:2013)

Keel: en
Alusdokumendid: ISO 17130:2013; EN ISO 17130:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 17130:2021
Standardi staatus: Kehtetu

EVS-EN ISO 25619-1:2009

Geosüntetika. Survekäitumise määramine. Osa 1: Surveroome parameetrid Geosynthetics - Determination of compression behaviour - Part 1: Compressive creep properties

Keel: en
Alusdokumendid: ISO 25619-1:2008; EN ISO 25619-1:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 25619-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 27587:2009

Leather - Chemical tests - Determination of the free formaldehyde in process auxiliaries

Keel: en
Alusdokumendid: ISO 27587:2009; EN ISO 27587:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 27587:2021
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 21187:2005

Milk - Quantitative determination of bacteriological quality - Guidance for establishing and verifying a conversion relationship between routine method results and anchor method results

Keel: en
Alusdokumendid: ISO 21187:2004; EN ISO 21187:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 21187:2021
Standardi staatus: Kehtetu

EVS-EN ISO 4120:2008

Sensory analysis - Methodology - Triangle test

Keel: en
Alusdokumendid: ISO 4120:2004; EN ISO 4120:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 4120:2021
Standardi staatus: Kehtetu

73 MÄENDUS JA MAAVARAD

EVS-EN 16301:2013

Natural stone test methods - Determination of sensitivity to accidental staining

Keel: en
Alusdokumendid: EN 16301:2013
Asendatud järgmise dokumendiga: EVS-EN 16301:2021
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15403:2011

Solid recovered fuels - Determination of ash content

Keel: en
Alusdokumendid: EN 15403:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 21656:2021
Standardi staatus: Kehtetu

EVS-EN 15414-3:2011

Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample

Keel: en
Alusdokumendid: EN 15414-3:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 21660-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 15663-1:2007

Nafta- ja maagaasitööstused. Kasutuskulude tsükkel. Osa 1: Metoodika Petroleum and natural gas industries - Life cycle costing - Part 1: Methodology

Keel: en
Alusdokumendid: ISO 15663-1:2000; EN ISO 15663-1:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 15663:2021
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 12023:2000

Isekinnituvad teibid. Soojas niiskes keskkonnas läbi teibi tungiva veeauru mõõtmine **Self adhesive tapes - Measurement of water vapour transmission in a warm humid atmosphere**

Keel: en
Alusdokumendid: EN 12023:1996
Standardi staatus: Kehtetu

EVS-EN 12029:2000

Isekinnituvad teibid. Vees lahustuvate korrodeerivate ionide määramine **Self adhesive tapes - Determination of the water-soluble corrosive ions**

Keel: en
Alusdokumendid: EN 12029:1996
Standardi staatus: Kehtetu

EVS-EN 12030:2000

Isekinnituvad teibid. Löögikindluse mõõtmine **Self adhesive tapes - Measurement of impact resistance**

Keel: en
Alusdokumendid: EN 12030:1996
Standardi staatus: Kehtetu

EVS-EN 12031:2000

Isekinnituvad teibid. Murdumistugevuse mõõtmine **Self-adhesive tapes - Measurement of bursting strength**

Keel: en
Alusdokumendid: EN 12031:1996
Standardi staatus: Kehtetu

EVS-EN ISO 1628-1:2009

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles

Keel: en
Alusdokumendid: ISO 1628-1:2009; EN ISO 1628-1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 1628-1:2021
Muudetud järgmise dokumendiga: EVS-EN ISO 1628-1:2009/A1:2012
Standardi staatus: Kehtetu

EVS-EN ISO 1628-1:2009/A1:2012

Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscometers - Part 1: General principles - Amendment 1 (ISO 1628-1:2009/Amd 1:2012)

Keel: en
Alusdokumendid: ISO 1628-1:2009/Amd 1:2012; EN ISO 1628-1:2009/A1:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 1628-1:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 14500:2008

Blinds and shutters - Thermal and visual comfort - Test ad calculation methods

Keel: en
Alusdokumendid: EN 14500:2008
Asendatud järgmise dokumendiga: EVS-EN 14500:2021
Standardi staatus: Kehtetu

EVS-EN 14501:2005

Blinds and shutters - Thermal and visual comfort - Performance characteristics and classification

Keel: en
Alusdokumendid: EN 14501:2005
Asendatud järgmise dokumendiga: EVS-EN 14501:2021
Standardi staatus: Kehtetu

EVS-EN 16301:2013

Natural stone test methods - Determination of sensitivity to accidental staining

Keel: en

Alusdokumendid: EN 16301:2013

Asendatud järgmise dokumendiga: EVS-EN 16301:2021

Standardi staatus: Kehtetu

EVS-EN 20140-2:1999

Akustika. Heliisolatsiooni mõõtmine hoonetes ja hooneosadel. Osa 2: Täpsete andmete määramine, kontrollimine ja kasutamine

Acoustics - Measurement of sound insulation in buildings and of building elements - Part 2: Determination, verification and application of precision data

Keel: en

Alusdokumendid: ISO 140-2:1991+Cor 1:1993; EN 20140-2:1993

Asendatud järgmise dokumendiga: EVS-EN ISO 12999-1:2014

Standardi staatus: Kehtetu

EVS-EN 206:2014+A1:2016

Betoon. Spetsifitseerimine, toimivus, tootmine ja vastavus

Concrete - Specification, performance, production and conformity

Keel: en, et

Alusdokumendid: EN 206:2013+A1:2016; EVS-EN 206:2014+A1:2016/AC:2019

Asendatud järgmise dokumendiga: EVS-EN 206:2014+A2:2021

Parandatud järgmise dokumendiga: EVS-EN 206:2014+A1:2016/AC:2019

Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 1793-6:2018

Road traffic noise reducing devices - Test method for determining the acoustic performance - Part 6: Intrinsic characteristics - In situ values of airborne sound insulation under direct sound field conditions

Keel: en

Alusdokumendid: EN 1793-6:2018

Asendatud järgmise dokumendiga: EVS-EN 1793-6:2018+A1:2021

Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 425:2002

Resilient and laminate floor coverings - Castor chair test

Keel: en

Alusdokumendid: EN 425:2002

Asendatud järgmise dokumendiga: EVS-EN ISO 4918:2021

Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast 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 arvamusküsitlusele 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 kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 14511-1

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

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

Keel: en

Alusdokumendid: prEN 14511-1

Asendab dokumenti: EVS-EN 14511-1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEVS-ISO 4225

Õhu kvaliteet. Üldosa. Sõnastik

Air quality. General aspects. Vocabulary (ISO 4225:2020)

See dokument täpsustab õhukvaliteediga seotud termineid ja määratlusi (vt 3.1.1.1). Need on kas üldised mõisted või neid kasutatakse õhukvaliteedi määramiseks proovide võtmise (vt 3.3.3.1) ja gaaside, aurude (vt 3.1.5.8) ja õhus sisalduvate osakeste (vt 3.2.2.1) mõõtmiseks. Lisatud on mõisted, mida on peetud oluliseks, kuna nende määratlus on vajalik ebaselguse vältimiseks ja kasutamise järjepidavuse tagamiseks. Terminite tähestikuline register on esitatud lisas A. Käesolevat dokumenti kohaldatakse kõigi õhukvaliteediga seotud rahvusvaheliste standardite, ISO tehniliste aruannete, ISO tehniliste kirjelduste ja ISO juhendite suhtes.

Keel: en

Alusdokumendid: ISO 4225:2020

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17649

Gas infrastructure - Safety Management System (SMS) and Pipeline Integrity Management System (PIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar. This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure. The described SMS is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and non-conventional gases such as biomethane and hydrogen and substitute natural gases including injected gases. This document covers also EN 16726, which 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. The requirements and test methods for biomethane at the point of entry into natural gas network are covered by EN 16723-1. This document can apply for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437. Specific requirements for occupational health and safety are excluded from this document. For these, national legislation and other European and/or international standards, e.g. OHSAS 18001, apply. This document specifies common basic principles for gas infrastructure. It is important that users of this document are aware that more detailed national standards and/or codes of practice may exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). NOTE 1 CEN/TR 13737 (all parts) contains: - clarification of relevant legislation/regulations applicable in a country; - if appropriate, more restrictive national requirements; - national contact points for the latest information.

Keel: en

Alusdokumendid: prEN 17649

Asendab dokumenti: EVS-EN 15399:2018

Asendab dokumenti: EVS-EN 16348:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 4179

Aerospace series - Qualification and approval of personnel for nondestructive testing

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

Keel: en

Alusdokumendid: prEN 4179

Asendab dokumenti: EVS-EN 4179:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 10651-5

Lung ventilators for medical use - Particular requirements for basic safety and essential performance - Part 5: Gas-powered emergency resuscitators (ISO 10651-5:2006)

This part of ISO 10651 specifies the basic safety and essential performance requirements for gas-powered emergency resuscitators (3.10) intended for use with humans by first responders. This equipment is intended for emergency field use and is intended to be continuously operator attended in normal use. This part of ISO 10651 also specifies the requirements for resuscitator sets (3.22). This part of ISO 10651 is not applicable to electrically-powered resuscitators. NOTE ISO 10651-3 covers emergency and transport ventilators.

Keel: en

Alusdokumendid: ISO 10651-5:2006; prEN ISO 10651-5

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 10942

Ophthalmic instruments - Direct ophthalmoscopes (ISO/DIS 10942:2021)

This International Standard, together with ISO 15004-1 and ISO 15004-2, specifies minimum requirements and test methods for hand-held direct ophthalmoscopes designed for directly observing the eye fundus. This International Standard takes precedence over ISO 15004-1 and ISO 15004-2, if differences exist.

Keel: en

Alusdokumendid: ISO/DIS 10942; prEN ISO 10942

Asendab dokumenti: EVS-EN ISO 10942:2006

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 21388

Acoustics - Hearing aid fitting management (HAFM) (ISO 21388:2020)

This document applies to hearing aid fitting management (HAFM) services offered by hearing aid professionals (HAP) when providing benefit for their clients. The provision of hearing aids relies on the knowledge and practices of a hearing aid professional, to ensure the proper fitting and adequate service in the interest of the client with hearing loss. This document specifies general processes of HAFM from the client profile to the follow-up through administering, organising and controlling hearing aid fitting through all stages. It also specifies important preconditions such as education, facilities and systems that are required to ensure proper services. The focus of this document is the services offered to the majority of adult clients with hearing impairment. It is recognized that certain populations with hearing loss such as children, persons with other disabilities or persons with implantable devices can require services outside the scope of this document. This document generally applies to air conduction hearing aids and for the most part also to bone conduction devices. Hearing loss can be a consequence of serious medical conditions. Hearing aid professionals are not in a position to diagnose or treat such conditions. When assisting clients seeking hearing rehabilitation without prior medical examination, hearing aid professionals are expected to be observant of symptoms of such conditions and refer to proper medical care. Further to the main body of the document, which specifies the HAFM requirements and processes, several informative annexes are provided. Appropriate education of hearing aid professionals is vital for exercising HAFM. Annex A defines the competencies required for the HAFM processes. Annex B offers a recommended curriculum for the education of hearing aid professionals. Annex C is an example of an appropriate fitting room. Annex D gives guidance on the referral of clients for medical or other specialist examination and treatment. Annex E is a recommendation for important information to be exchanged with the client during the process of HAFM. Annex F is a comprehensive terminology list offering definitions of the most current terms related to HAFM. It is the intention that these annexes be helpful to those who wish to deliver HAFM of the highest quality.

Keel: en

Alusdokumendid: prEN ISO 21388; ISO 21388:2020

Asendab dokumenti: EVS-EN 15927:2010

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 21802

Assistive products - Guidelines on cognitive accessibility - Daily time management (ISO 21802:2019)

This document specifies principles of cognitive accessibility within the area of daily time management. This document gives guidelines for design application for features and functions known to increase the accessibility of products and systems used to support daily time management for people with cognitive impairment regardless of age. This document does not provide test methods and specific instructions for measuring and reporting.

Keel: en

Alusdokumendid: ISO 21802:2019; prEN ISO 21802

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 27427

Anaesthetic and respiratory equipment - Nebulizing systems and components (ISO/DIS 27427:2021)

This document specifies requirements for the safety and performance testing of general-purpose nebulizing systems intended for continuous or breath-actuated delivery of liquids, in aerosol form, to humans through the respiratory system. This document includes gas-powered nebulizers which can be powered by, e.g., compressors, pipeline systems, cylinders, etc., and electrically powered nebulizers [e.g., spinning disc, ultrasonic, vibrating mesh (active and passive), and capillary devices] or manually powered nebulizers. This document does not specify the minimum performance of nebulizing systems. This document does not apply to: a) devices intended for nasal deposition; b) devices intended solely to provide humidification or hydration by providing water in aerosol form. NOTE ISO 80601-2-74 [3] and ISO 20789[4] cover these devices. This document does not apply to drug-specific nebulizers or their components (e.g., metered dose inhalers, metered liquid inhalers, dry powder inhalers).

Keel: en

Alusdokumendid: ISO/DIS 27427; prEN ISO 27427

Asendab dokumenti: EVS-EN ISO 27427:2019

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 5361

Anaesthetic and respiratory equipment - Tracheal tubes and connectors (ISO/DIS 5361:2021)

This document provides essential performance and safety requirements for oro-tracheal and naso-tracheal tubes and tracheal tube connectors. Tracheal tubes with walls reinforced with metal or nylon, tracheal tubes with shoulders, tapered tracheal tubes, tracheal tubes with means for suctioning, monitoring or delivery of drugs or other gases, and the many other types of tracheal tubes devised for specialized applications are included in this document, as many specialized tracheal tubes are now commonly used, and all share similar essential requirements as defined in this document. Tracheobronchial (including Endobronchial) tubes, tracheostomy tubes, and supralaryngeal airways are excluded from the scope of this document. Tracheal tubes intended for use with flammable anaesthetic gases or agents, lasers, or electrosurgical equipment are outside the scope of this document. NOTE Bibliography references [1] to [4] deal with laser surgery of the airway.

Keel: en

Alusdokumendid: ISO/DIS 5361; prEN ISO 5361

Asendab dokumenti: EVS-EN ISO 5361:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 12259-14:2020/prA1

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 14: Sprinklers for residential applications

This document specifies requirements for the construction and performance of residential sprinklers as well as test methods for their type approval, which are operated by a change of state of an element or bursting of a glass bulb under the influence of heat and incorporating the following types of water seals: - conical metal spring with a PTFE gasket or coating; - metal cap or disc with PTFE gasket or coating; - copper gasket, with or without a PTFE coating. Sprinklers in accordance with this document will only be used in automatic sprinkler systems for domestic and residential applications as defined in EN 16925.

Keel: en

Alusdokumendid: EN 12259-14:2020/prA1

Muudab dokumenti: EVS-EN 12259-14:2020

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-11:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-11:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-14:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers

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

Keel: en

Alusdokumendid: EN 50632-2-14:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-14:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-17:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-17: Particular requirements for routers and trimmers

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

Keel: en

Alusdokumendid: EN 50632-2-17:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-17:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-19:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-19: Particular requirements for jointers

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

Keel: en

Alusdokumendid: EN 50632-2-19:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-19:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-3:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-3:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-4:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-4:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-5:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-5: Particular requirements for circular saws

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

Keel: en

Alusdokumendid: EN 50632-2-5:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-5:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-3-1:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws

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

Keel: en

Alusdokumendid: EN 50632-3-1:2016/prA1

Muudab dokumenti: EVS-EN 50632-3-1:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-3-9:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 3-9: Particular requirements for transportable mitre saws

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

Keel: en

Alusdokumendid: EN 50632-3-9:2016/prA1

Muudab dokumenti: EVS-EN 50632-3-9:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14717

Welding and allied processes - Environmental check list

This document provides check lists for the assessment of the environmental aspects of welding fabrication of metallic materials including site and repair work. Informative annexes indicate recommended actions for avoiding and reducing the possible environmental impacts outside the workshop.

Keel: en

Alusdokumendid: prEN 14717

Asendab dokumenti: EVS-EN 14717:2005

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 15882-2

Extended application of results from fire resistance tests for service installations - Part 2: Fire dampers

This document provides guidance and rules to notified bodies (for fire dampers) allowing them to produce/validate an extended field of application report for fire dampers. This document identifies the parameters that affect the fire resistance of dampers. It also identifies the factors that need to be considered when deciding whether, or by how much, the parameter can be extended when contemplating the fire resistance performance of an untested, or untestable variation in the construction. This document explains the principles behind how a conclusion on the influence of specific parameters/constructional details relating to the relevant criteria (E, I, S) can be achieved. This document does not cover dampers used for smoke control. It is the intention that the application of this document makes it possible to identify which specifications to test to maximize the field of application. Some information on test programmes is given for guidance purposes.

Keel: en

Alusdokumendid: prEN 15882-2

Asendab dokumenti: EVS-EN 15882-2:2015

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17646

Secure storage units - Classification for high security locks according to their resistance to unauthorized opening - distributed systems

This European Standard specifies requirements and testing procedures for high security locks used in distributed systems, which are mainly used in secure storage units. A distributed system, as per the definition of this European Standard, is a system with components connected by a transmission system, wired or wireless. Also, a token represents a distributed system as of a transmission distance of 15 cm or more. The present standard responded to the state of the art requirements for distributed systems when it was written down. However it is mandatory that the standard has to be revised with a relatively high frequency of 3 years or less, as the research in the area of cryptography and relevant attacks evolve with high speed as well as the referenced standards. As the general regulations of EN 1300 don't require such a high frequency of updating, it is recommended to separate the standards.

Keel: en

Alusdokumendid: prEN 17646

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 62676-2-33:2021

Video surveillance systems for use in security applications - Part 2-33: Cloud uplink and remote management system access

This part of the IEC 62676 series specifies management systems interfaces and mechanism for remote operational access to physical security devices such as video surveillance devices and systems. For video surveillance, the use cases focus on accessing live video and retrieving recordings. The mechanism defined in this specification are not restricted to surveillance applications but also cover remote access to security systems and electronic access control systems. Configuration of devices and management systems is out of scope of this specification. Clause 4 introduces to remote management access. Clause 5 defines a set of requirements that the protocol needs to fulfil. Clause 6 extends the token-based resource-addressing scheme of the underlying specification IEC 60839-11-31. Clause 7 describes how to retrieve information about remote resources. Clause 8 defines how to connect to devices that are not directly reachable because they are e.g. located behind firewalls.

Keel: en

Alusdokumendid: IEC 62676-2-33:202X; prEN IEC 62676-2-33:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 10872

Water and soil quality - Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda) (ISO 10872:2020)

This document specifies a method for determining the toxicity of environmental samples on growth, fertility and reproduction of *Caenorhabditis elegans*. The method applies to contaminated whole fresh water sediment (maximum salinity 5 ‰), soil and waste, as well as to pore water, elutriates and aqueous extracts that were obtained from contaminated sediment, soil and waste.

Keel: en

Alusdokumendid: ISO 10872:2020; prEN ISO 10872

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 21676

Water quality - Determination of the dissolved fraction of selected active pharmaceutical ingredients, transformation products and other organic substances in water and treated waste water - Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS or -HRMS) after direct injection (ISO 21676:2018)

This document specifies a method for the determination of the dissolved fraction of selected active pharmaceutical ingredients and transformation products, as well as other organic substances (see Table 1 of the document) in drinking water, ground water, surface water and treated waste water. The lower application range of this method can vary depending on the sensitivity of the equipment used and the matrix of the sample. For most compounds to which this document applies, the range is $\geq 0,025$ µg/l for drinking water, ground water and surface water, and $\geq 0,050$ µg/l for treated waste water. The method can be used to determine further organic substances or in other types of water (e.g. process water) provided that accuracy has been tested and verified for each case, and that storage conditions of both samples and reference solutions have been validated.

Keel: en

Alusdokumendid: ISO 21676:2018; prEN ISO 21676

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 23320

Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using diffusive samplers (ISO/DIS 23320:2021)

This document specifies performance requirements and test methods under prescribed laboratory conditions for the evaluation of diffusive samplers and of procedures using these samplers for the determination of gases and vapours in workplace atmospheres. This document is applicable to diffusive samplers and measuring procedures using these samplers in which sampling and analysis are carried out in separate stages. This document is not applicable to — diffusive samplers which are used for the direct determination of concentrations, — diffusive samplers which rely on sorption into a liquid. This document addresses requirements for method developers and/or manufacturers. NOTE For the purposes of this document a manufacturer can be any commercial or non-commercial entity.

Keel: en

Alusdokumendid: ISO/DIS 23320; prEN ISO 23320

Asendab dokumenti: EVS-EN 838:2010

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEVS-ISO 4225

Õhu kvaliteet. Üldosa. Sõnastik Air quality. General aspects. Vocabulary (ISO 4225:2020)

See dokument täpsustab õhukvaliteediga seotud termineid ja määratlusi (vt 3.1.1.1). Need on kas üldised mõisted või neid kasutatakse õhukvaliteedi määramiseks proovide võtmise (vt 3.3.3.1) ja gaaside, aurude (vt 3.1.5.8) ja õhus sisalduvate osakeste (vt 3.2.2.1) mõõtmiseks. Lisatud on mõisted, mida on peetud oluliseks, kuna nende määratlus on vajalik ebaselguse vältimiseks ja kasutamise järjepidavuse tagamiseks. Terminite tähestikuline register on esitatud lisas A. Käesolevat dokumenti

kõhaldatase kõigi õhukvaliteediga seotud rahvusvaheliste standardite, ISO tehniliste aruannete, ISO tehniliste kirjelduste ja ISO juhendite suhtes.

Keel: en

Alusdokumendid: ISO 4225:2020

Arvamusküsitluse lõppkuupäev: 30.05.2021

17 METROLOOGIA JA MÕÖTMINE. FÜSIKALISED NÄHTUSED

prEN ISO 21388

Acoustics - Hearing aid fitting management (HAFM) (ISO 21388:2020)

This document applies to hearing aid fitting management (HAFM) services offered by hearing aid professionals (HAP) when providing benefit for their clients. The provision of hearing aids relies on the knowledge and practices of a hearing aid professional, to ensure the proper fitting and adequate service in the interest of the client with hearing loss. This document specifies general processes of HAFM from the client profile to the follow-up through administering, organising and controlling hearing aid fitting through all stages. It also specifies important preconditions such as education, facilities and systems that are required to ensure proper services. The focus of this document is the services offered to the majority of adult clients with hearing impairment. It is recognized that certain populations with hearing loss such as children, persons with other disabilities or persons with implantable devices can require services outside the scope of this document. This document generally applies to air conduction hearing aids and for the most part also to bone conduction devices. Hearing loss can be a consequence of serious medical conditions. Hearing aid professionals are not in a position to diagnose or treat such conditions. When assisting clients seeking hearing rehabilitation without prior medical examination, hearing aid professionals are expected to be observant of symptoms of such conditions and refer to proper medical care. Further to the main body of the document, which specifies the HAFM requirements and processes, several informative annexes are provided. Appropriate education of hearing aid professionals is vital for exercising HAFM. Annex A defines the competencies required for the HAFM processes. Annex B offers a recommended curriculum for the education of hearing aid professionals. Annex C is an example of an appropriate fitting room. Annex D gives guidance on the referral of clients for medical or other specialist examination and treatment. Annex E is a recommendation for important information to be exchanged with the client during the process of HAFM. Annex F is a comprehensive terminology list offering definitions of the most current terms related to HAFM. It is the intention that these annexes be helpful to those who wish to deliver HAFM of the highest quality.

Keel: en

Alusdokumendid: prEN ISO 21388; ISO 21388:2020

Asendab dokumenti: EVS-EN 15927:2010

Arvamusküsitluse lõppkuupäev: 30.05.2021

19 KATSETAMINE

prEN 4179

Aerospace series - Qualification and approval of personnel for nondestructive testing

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

Keel: en

Alusdokumendid: prEN 4179

Asendab dokumenti: EVS-EN 4179:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EN 12080:2017/prA1

Railway applications - Axleboxes - Rolling bearings

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

Keel: en

Alusdokumendid: EN 12080:2017/prA1

Muudab dokumenti: EVS-EN 12080:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN ISO 13918:2018/prA1

Welding - Studs and ceramic ferrules for arc stud welding - Amendment 1

Amendment to EN ISO 13918:2018

Keel: en

Alusdokumendid: ISO 13918:2017/DAMd 1; EN ISO 13918:2018/prA1

Muudab dokumenti: EVS-EN ISO 13918:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 13483

Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems - Specification

This document specifies the requirements and test methods for verification for hose assemblies with vapour recovery for delivery systems on petrol filling stations. The hose assemblies with vapour recovery for delivery systems on petrol filling stations need to be capable of withstanding anticipated mechanical, thermal and chemical stressing and be resistant to the combustible liquids used in these applications as well as their vapour and vapour air mixtures. It is imperative that the assemblies be constructed in such a way that actions during normal operation cannot give rise to dangerous electrostatic charges nor that there will be any reduction in the performance of the vapour recovery. The assemblies are intended for use at ambient temperatures between -30 °C and $+55\text{ °C}$ for normal temperature class and -40 °C and $+55\text{ °C}$ for low temperature class at a working pressure $\leq 16\text{ bar}$. Hoses can be constructed from rubber or thermoplastic elastomer (TPE) and this document specifies the requirements for three types of hoses in two grades and two classes of hose assemblies for measured fuel dispensing systems, including oxygenated fuels ($\leq 15\%$ oxygenated compounds) with internal vapour recovery tubing or hose. NOTE This document is not applicable to multi chamber fuel dispensing hoses. As part of the certification of a new dispenser, testing of fuel samples in accordance with EN 228 are carried out at least eight weeks after the first use of the equipment to avoid unrepresentative sulphur content results.

Keel: en

Alusdokumendid: prEN 13483

Asendab dokumenti: EVS-EN 13483:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14071

LPG equipment and accessories - Pressure relief valves for LPG pressure vessels - Ancillary equipment

This document specifies the design, testing and inspection requirements for pressure relief valve isolating devices, valve manifolds, vent pipes and system assemblies which are, where necessary, used with pressure relief valves for use in static pressure vessels for Liquefied Petroleum Gas (LPG) service. This document addresses both prototype testing and production testing of isolating devices and PRV manifolds. Pressure relief valves for LPG pressure vessels are specified in EN 14129:2014.

Keel: en

Alusdokumendid: prEN 14071

Asendab dokumenti: EVS-EN 14071:2015+A1:2019

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14129

LPG Equipment and accessories - Pressure relief valves for LPG pressure vessels

This European Standard specifies the requirements for the design and testing of spring loaded pressure relief valves and thermal expansion valves for use in: - static LPG pressure vessels, NOTE The pressure vessels can be situated above ground, underground or mounded. - LPG pressure vessels on road tankers, rail tankers, tank-containers or demountable tanks. This document does not address production testing. Normative Annex B prescribes testing with conditioning at -40 °C for valves for use under extreme low temperature conditions. The requirements for pressure relief valve accessories such as isolating devices, changeover manifolds and vent pipes are specified in EN 14071. EN 14570 identifies the requirements for the pressure relief valve capacities for static pressure vessels. EN 12252 identifies the requirements for the pressure relief valve capacities for road tankers. Valves designed in accordance with this standard are specifically for use in LPG applications. Valves

manufactured in accordance with EN ISO 4126-1 may also be used in certain LPG applications. Terms used with LPG pressure relief valves are described graphically in Annex A.

Keel: en

Alusdokumendid: prEN 14129

Asendab dokumenti: EVS-EN 14129:2014

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14912

LPG equipment and accessories - Inspection and maintenance of LPG cylinder valves at time of periodic inspection of cylinders

This document specifies the requirements for inspection and maintenance of LPG cylinder valves, either manually operated or self-closing, for reuse. It applies when the valve is either inspected or refurbished at the time of periodic inspection of the cylinder. This document may also be applied at any other time, for example, when maintenance of the valve is necessary.

Keel: en

Alusdokumendid: prEN 14912

Asendab dokumenti: EVS-EN 14912:2015

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17649

Gas infrastructure - Safety Management System (SMS) and Pipeline Integrity Management System (PIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar. This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure. The described SMS is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and non-conventional gases such as biomethane and hydrogen and substitute natural gases including injected gases. This document covers also EN 16726, which 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. The requirements and test methods for biomethane at the point of entry into natural gas network are covered by EN 16723-1. This document can apply for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437. Specific requirements for occupational health and safety are excluded from this document. For these, national legislation and other European and/or international standards, e.g. OHSAS 18001, apply. This document specifies common basic principles for gas infrastructure. It is important that users of this document are aware that more detailed national standards and/or codes of practice may exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). NOTE 1 CEN/TR 13737 (all parts) contains: - clarification of relevant legislation/regulations applicable in a country; - if appropriate, more restrictive national requirements; - national contact points for the latest information.

Keel: en

Alusdokumendid: prEN 17649

Asendab dokumenti: EVS-EN 15399:2018

Asendab dokumenti: EVS-EN 16348:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 21011

Cryogenic vessels - Valves for cryogenic service (ISO/DIS 21011:2021)

This document specifies the requirements for the design, manufacture and testing of valves for a rated temperature of -40 °C and below (cryogenic service), i.e. for operation with cryogenic fluids in addition to operation at temperatures from ambient to cryogenic. It applies to all types of cryogenic valves, including vacuum jacketed cryogenic valves up to size DN 200. This document can be used as guidance for larger size valves. This document is not applicable to pressure relief valves covered by ISO 21013-1.

Keel: en

Alusdokumendid: ISO/DIS 21011; prEN ISO 21011

Asendab dokumenti: EVS-EN 1626:2008

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-1:2015/prA2

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

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

Keel: en

Alusdokumendid: EN 50632-1:2015/prA2

Muudab dokumenti: EVS-EN 50632-1:2015

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-11:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-11:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-14:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-14: Particular requirements for planers

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

Keel: en

Alusdokumendid: EN 50632-2-14:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-14:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-17:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-17: Particular requirements for routers and trimmers

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

Keel: en

Alusdokumendid: EN 50632-2-17:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-17:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-19:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-19: Particular requirements for jointers

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

Keel: en

Alusdokumendid: EN 50632-2-19:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-19:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-22:2015/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-22:2015/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-3:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-3:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-4:2016/prA1

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

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

Keel: en

Alusdokumendid: EN 50632-2-4:2016/prA1

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-2-5:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-5: Particular requirements for circular saws

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

Keel: en

Alusdokumendid: EN 50632-2-5:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-5:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN ISO 13918:2018/prA1

Welding - Studs and ceramic ferrules for arc stud welding - Amendment 1

Amendment to EN ISO 13918:2018

Keel: en

Alusdokumendid: ISO 13918:2017/DAMd 1; EN ISO 13918:2018/prA1

Muudab dokumenti: EVS-EN ISO 13918:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 10169

Continuously organic coated (coil coated) steel flat products - Technical delivery conditions

This document specifies requirements for continuously organic coated (coil coated) steel flat products. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip). NOTE National provisions can set up relationships between the performances of the coatings as required in this document and the outdoor atmospheres and ambiances required for a relevant building under study. This document is not applicable to continuously organic coated flat products made of: - tin mill products; - electrical steels.

Keel: en

Alusdokumendid: prEN 10169

Asendab dokumenti: EVS-EN 10169:2010+A1:2012

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14717

Welding and allied processes - Environmental check list

This document provides check lists for the assessment of the environmental aspects of welding fabrication of metallic materials including site and repair work. Informative annexes indicate recommended actions for avoiding and reducing the possible environmental impacts outside the workshop.

Keel: en

Alusdokumendid: prEN 14717

Asendab dokumenti: EVS-EN 14717:2005

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 10675-2

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

This document specifies acceptance levels for indications from imperfections in aluminium butt welds detected by radiographic testing. If agreed, the acceptance levels can be applied to other types of welds (such as fillet welds etc.) or materials. The acceptance levels can be related to welding standards, application standards, specifications or codes. This document assumes that the radiographic testing has been carried out in accordance with ISO 17636-1 for RT-F (F = film) or ISO 17636-2 for RT-S (S = radioscopy) and RT-D (D = digital detectors). When assessing whether a weld meets the requirements specified for a weld quality level, the sizes of imperfections permitted by standards are compared with the dimensions of indications revealed by a radiograph made of the weld.

Keel: en

Alusdokumendid: ISO/DIS 10675-2; prEN ISO 10675-2

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

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 4531

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO/DIS 4531:2021)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. It also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. It is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en

Alusdokumendid: ISO/DIS 4531; prEN ISO 4531

Asendab dokumenti: EVS-EN ISO 4531:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 9220

Metallic coatings - Measurement of coating thickness - Scanning electron microscope method (ISO/DIS 9220:2021)

This document specifies a destructive method for the measurement of the local thickness of metallic coatings (hereafter also other inorganic coatings are meant) by examination of cross-sections with a scanning electron microscope (SEM). The method can be used for thicknesses up to several millimetres, but for such thick coatings it is usually more practical to use a light microscope (ISO 1463) when applicable. The lower thickness limit depends on the achieved measurement uncertainty (see Clause 10).

Keel: en

Alusdokumendid: ISO/DIS 9220; prEN ISO 9220

Asendab dokumenti: EVS-EN ISO 9220:1999

Arvamusküsitluse lõppkuupäev: 30.05.2021

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN 62282-3-201:2017/prA1:2021

Fuel cell technologies - Part 3-201: Stationary fuel cell power systems - Performance test methods for small fuel cell power systems

Amendment to EN 62282-3-201:2017

Keel: en

Alusdokumendid: IEC 62282-3-201:2017/A1:202X; EN 62282-3-201:2017/prA1:2021

Muudab dokumenti: EVS-EN 62282-3-201:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-1

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

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

Keel: en

Alusdokumendid: prEN 14511-1

Asendab dokumenti: EVS-EN 14511-1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-2

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions

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

Keel: en

Alusdokumendid: prEN 14511-2

Asendab dokumenti: EVS-EN 14511-2:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-3

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods

1.1 The scope of prEN 14511-1:2021 is applicable. 1.2 This document specifies the test methods for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and cooling. These test methods also apply for the rating and performance of process chillers. It also specifies the method of testing and reporting for heat recovery capacities, system reduced capacities and the capacity of individual indoor units of multisplit systems, where applicable. This document also makes possible to rate multisplit and modular heat recovery multisplit systems by rating separately the indoor and outdoor units.

Keel: en

Alusdokumendid: prEN 14511-3

Asendab dokumenti: EVS-EN 14511-3:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-4

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements

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

Keel: en

Alusdokumendid: prEN 14511-4

Asendab dokumenti: EVS-EN 14511-4:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 62108:2021

Concentrator photovoltaic (CPV) modules and assemblies - Design qualification and type approval

This International Standard specifies the minimum requirements for the design qualification and type approval of concentrator photovoltaic (CPV) modules and assemblies suitable for long-term operation in general open-air climates as defined in IEC 60721-2-1. The test sequence is partially based on that specified in IEC 61215-1 for the design qualification and type approval of flat-plate terrestrial crystalline silicon PV modules. However, some changes have been made to account for the special features of CPV receivers and modules, particularly with regard to the separation of on-site and in-lab tests, effects of tracking alignment, high current density, and rapid temperature changes, which have resulted in the formulation of some new test procedures or new requirements. The object of this test standard is to determine the electrical, mechanical, and thermal characteristics of the CPV modules and assemblies and to show, as far as possible within reasonable constraints of cost and time, that the CPV modules and assemblies are capable of withstanding prolonged exposure in climates described in the scope. The actual life of CPV modules and assemblies so qualified will depend on their design, production, environment, and the conditions under which they are operated. This standard shall be used in conjunction with the retest guidelines described in Annex B.

Keel: en

Alusdokumendid: IEC 62108:202X; prEN IEC 62108:2021

Asendab dokumenti: EVS-EN 62108:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 24664

Refrigerating systems and heat pumps - Pressure relief devices and their associated piping - Methods for calculation (ISO/DIS 24664:2021)

1.1 This Standard describes the calculation of mass flow for sizing pressure relief devices for components of refrigerating systems. NOTE The term "refrigerating system" used in this Standard includes heat pumps. 1.2 This Standard describes the calculation of discharge capacities for pressure relief valves and other pressure relief devices in refrigerating systems including the necessary data for sizing these when relieving to atmosphere or to components within the system at lower pressure. 1.3 This Standard specifies the requirements for selection of pressure relief devices to prevent excessive pressure due to internal and external heat sources, the sources of increasing pressure (e.g. compressor, heaters, etc.) and thermal expansion of trapped liquid. 1.4 This Standard describes the calculation of the pressure loss in the upstream and downstream line of pressure relief valves and other pressure relief devices and includes the necessary data. 1.5 This Standard refers to other relevant standards in Clause 5.

Keel: en

Alusdokumendid: ISO/DIS 24664; prEN ISO 24664

Asendab dokumenti: EVS-EN 13136:2013+A1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

29 ELEKTROTEHNIKA

EN 60061-1:1993/prAB

Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps

EN 60061-1:1993/A59:2019 'Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp Caps' (PR= 66049) was developed by CLC/TC 34 'Lamps and related equipment' in parallel under the Frankfurt Agreement.

Keel: en

Alusdokumendid: EN 60061-1:1993/prAB

Muudab dokumenti: EN 60061-1:1993/prA59:2018

Muudab dokumenti: EVS-EN 60061-1:2001

Muudab dokumenti: EVS-EN 60061-1:2001+A42:2009

Muudab dokumenti: EVS-EN 60061-1:2001+A44:2011

Muudab dokumenti: EVS-EN 60061-1:2001+A49:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN IEC 63013:2019/prA1:2021

LED packages - Long-term luminous and radiant flux maintenance projection

Amendment to EN IEC 63013:2019

Keel: en

Alusdokumendid: IEC 63013:2017/A1:202X; EN IEC 63013:2019/prA1:2021

Muudab dokumenti: EVS-EN IEC 63013:2019

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 50522

Earthing of power installations exceeding 1 kV a.c.

This document is applicable to specify the requirements for the design and erection of earthing systems of electrical installations, in systems with nominal voltage above 1 kV AC and nominal frequency up to and including 60 Hz, so as to provide safety and proper functioning for the use intended. NOTE 1 The technical and procedural principles of this document can be applied when 3rd parties' installations and facilities are planned and/or erected in the vicinity of HV electrical power installations. For the purpose of interpreting this document, an electrical power installation is considered to be one of the following: a) substation, including substation for railway power supply; b) electrical power installations on mast, pole and tower; switchgear and/or transformers located outside a closed electrical operating area; c) one (or more) power station(s) located on a single site; the electrical power installation includes generators and transformers with all associated switchgear and all electrical auxiliary systems. Connections between generating stations located on different sites are excluded; d) the electrical system of a factory, industrial plant or other industrial, agricultural, commercial or public premises; e) electrical power installations on offshore facilities for the purpose of generation, transmission, distribution and/or storage of electricity; f) transition towers/poles between overhead lines and underground lines. The electrical power installation includes, among others, the following equipment: - rotating electrical machines; -switchgear; -transformers and reactors; -converters; -cables; -wiring systems; -batteries; -capacitors; -earthing systems; -buildings and fences which are part of a closed electrical operating area; -associated protection, control and auxiliary systems; -large air core reactor. NOTE 2 In general, a standard for an item of equipment takes precedence over this document. This document does not apply to the design and erection of earthing systems of any of the following: - overhead and underground lines between separate installations; NOTE 3 The standard, EN 50341 series Overhead lines exceeding AC 1 kV, specifies requirements for the design and erection of earthing systems in overhead lines. -electrified railway tracks and rolling stock; -mining equipment and installations; -fluorescent lamp installations; -installations on ships and off-shore installations; -electrostatic equipment (e.g. electrostatic precipitators, spray-painting units); -test sites; -medical equipment, e.g. medical X-ray equipment. NOTE 4 The scope of this document does not include the requirements for carrying out live working on electrical power installations. NOTE 5 The scope of this document considers safety requirements for HV installations and its influences on LV installations. For electrical installation up to 1 kV, the standard IEC 60364 series applies.

Keel: en

Alusdokumendid: prEN 50522

Asendab dokumenti: EVS-EN 50522:2010

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 50708-3-4

Power transformers - Additional European requirements - Part 3-4: Large power transformer - Special tests for corrugated tank and radiators

This document describes a special test for hermetically sealed transformers with integral filling equipped with corrugated tank or tank with expandable radiators for Large Power Transformers > 3 150 kVA.

Keel: en

Alusdokumendid: prEN 50708-3-4

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 60034-1:2021

Rotating electrical machines - Part 1: Rating and performance

This part of IEC 60034 is applicable to all rotating electrical machines except rotating electrical machines for rail and road vehicles, which are covered by the IEC 60349 series of standards. Machines within the scope of this document may also be subject to superseding, modifying or additional requirements in other standards, for example, IEC 60079 and IEC 60092. NOTE If particular clauses of this document are modified to meet special applications, for example machines subject to radioactivity or machines for aerospace, all other clauses apply insofar as they are compatible.

Keel: en

Alusdokumendid: IEC 60034-1:202X; prEN IEC 60034-1:2021

Asendab dokumenti: FprEN 60034-1:2015

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 63370:2021

Lithium-Ion Batteries and Charging Systems - Safety

This International Standard applies to the safety of lithium-ion batteries and charging systems for use in rechargeable battery-powered motor-operated or magnetically driven - hand-held tools (IEC 62841-2); - transportable tools (IEC 62841-3); - lawn and garden machinery (IEC 62841-4); The above listed categories are hereinafter referred to as "products". NOTE 1 This document is structured in a way that other Technical Committees could reference this document in end product standards. For example, products outside of the Scope of the IEC 62841 series of standards often use the same battery charging systems as in products covered by the IEC 62841 series of standards. The maximum nominal voltage assigned by the manufacturer for battery packs is 75 V d.c. Electric shock hazard is considered to exist only between parts of opposite polarity. Battery packs covered under this document intended to be charged by a non-isolated charger shall be evaluated by this document and to the requirements for protection against electric shock specified in IEC 62841-1:2014. When evaluating a battery pack for protection against electric shock, creepage distances, clearances and distances through insulation, the battery pack shall be fitted to the intended charger. Since battery packs covered under this document are submitted to different use patterns (such as rough use, high charging and discharging currents), their safety can be evaluated only by this document or by IEC 62841-1:2014 and not by using other standards for battery packs, such as IEC 62133-2:2017, unless otherwise indicated in this document. All relevant aspects related to the safety of batteries are addressed in this document, such that the requirements of IEC 62133-2:2017 need not be separately applied. For integral batteries, this document only applies to the combination of the product and the integral battery.

When evaluating the risk of fire associated with batteries, consideration has been given to the fact that these batteries are unattended energy sources and have been evaluated as such in this document. Requirements in other documents regarding the risk of fire due to the charging of these batteries are therefore considered to be fulfilled. The following is considered within the context of these requirements: - These requirements address the risk of fire or explosion of these batteries and not any possible hazards associated with toxicity nor potential hazards associated with transportation or disposal. NOTE 2 IEC 62281:2019 covers the safety aspects of lithium-ion batteries during transport. - Batteries and charging systems covered by these requirements are not intended to be serviced by the end user. - This document is intended to provide an evaluation of the combination of a battery and charging system. - This document addresses the safety of lithium-ion batteries and charging systems during storage, use and charging. These requirements are only considered to be supplementary requirements in regards to battery charger fire and electric shock. - This document refers to and requires parameters supplied in reference to the cells that establish conditions for safe use of those cells. Those parameters form the basis of acceptance criteria for a number of tests contained herein. This document does not independently evaluate the safety of cells. These parameters, taken as a set, constitute the "specified operating region" for a cell. There may be several sets of specified operating region(s). This document is not intended to apply to general purpose batteries. This document does not apply to the safety of battery chargers themselves. However, this document covers the safe functioning of lithium-ion batteries and charging systems. [...]

Keel: en

Alusdokumendid: IEC 63370:202X; prEN IEC 63370:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

31 ELEKTROONIKA

prEN IEC 61051-2:2021

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

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

Keel: en

Alusdokumendid: IEC 61051-2:202X; prEN IEC 61051-2:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

33 SIDETEHNIKA

prEN 300 132-3 V2.1.13

Environmental Engineering (EE); Power supply interface at the input of Information and Communication Technology (ICT) equipment; Part 3: Up to 400 V Direct Current (DC)

The present document contains requirements and measurements methods for the physical interface "A3" that is situated between the power supply system(s) and the power consuming ICT equipment: • the nominal voltage at power interface "A3" of ICT equipment defined in the present document is DC voltage up to 400 V; • the output performance of the power equipment including the cable network at the interface "A3"; • the input of the ICT equipment connected to interface "A3". The DC power can be supplied by a DC output power system e.g. via on-grid AC rectifiers, from DC/DC converters in solar systems, fuel cells, standby generators including a battery backup. The present document aims at providing compatibility at interface "A3" between the power supply equipment and different ICT equipment (including/monitoring, cooling system, etc.) connected to the same power supply. The requirements are defined for the purpose of the present document: • to identify a power supply system with the same characteristics for all ICT equipment defined in the area of application; the area of application may be any location where the interface "A3" is used i.e. telecommunication centres, Radio Base Stations, datacentres and customer premises; • to facilitate interworking of different loads; • to facilitate the standardization of power supply systems for ICT equipment; • to facilitate the installation, operation and maintenance in the same network of ICT equipment and systems from different origins. • to secure robustness against temporary voltage deviations and transients during abnormal conditions General requirements for safety and EMC are out of the scope of the present document series unless specific requirement not defined in existing safety or EMC standards.

Keel: en

Alusdokumendid: Draft ETSI EN 300 132-3 V2.1.13

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 301 489-12 V3.1.2

Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 12. Eritingimused väga väikese apertuuriga satelliitantenniga terminalidele, sagedusvahemikus 4 GHz kuni 30 GHz töötavad paikse satelliitside (FSS) interaktiivsed maajaamad; Elektromagnetilise ühilduvuse harmoneeritud standard

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS); Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies technical characteristics and methods of measurement for the Earth Stations (ESs) operating in the frequency ranges between 3,625 GHz and 30 GHz in the Fixed Satellite Service (FSS) bands, and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions from the enclosure port of the Earth Stations (ESs) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum, see table 1. Table 1: Radio Technologies in scope of the present document: Technology; ETSI Standard VSAT for Transmit-only, transmit/receive or receive-only satellite Earth Stations operating in the 10,70 GHz to 14,50 GHz frequency bands; ETSI EN 301 428 ES for Satellite News Gathering Transportable Earth Stations (SNG TESS) operating in the 10,70 GHz to 14,50 GHz frequency bands; ETSI EN 301 430 VSAT for Transmit-only, transmit-and-receive, receive-only satellite Earth Stations operating in the 3,625 GHz to 6,425 GHz frequency bands; ETSI EN 301 443 ES for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit in the 19,70 GHz to 30,0 GHz frequency bands; ETSI EN 301 459 ES for Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit in the 17,70 GHz to 29,5 GHz frequency bands; ETSI EN 301 360 ES for Earth Stations On Mobile Platforms (ESOMP) transmitting towards satellites in geostationary orbit, operating in the 17,70 GHz to 30,0 GHz frequency bands; ETSI EN 303 978 Definitions of the type of Earth Stations (ESs) operating in the frequency ranges between 3,625 GHz and 30 GHz in the Fixed Satellite Service (FSS) covered by the present document are given in annex B. The environmental classification used in the present document are as stated in ETSI EN 301 489-1. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: Draft ETSI EN 301 489-12 V3.1.2

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 301 489-20 V2.1.2

**Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 20. Eritingimused liikuvate satelliitsides (MSS) kasutatavatele liikuvatele maajaamadele (MES); Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS); Harmonised Standard for ElectroMagnetic Compatibility**

The present document specifies technical characteristics and methods of measurement for Mobile Earth Stations (MESs) operating in the Mobile Satellite Services (MSSs) as defined in annex B, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions from the enclosure port of the equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum, see table 1. Table 1: Radio Technologies in scope of the present document Technology; ETSI Standard Low data rate Land Mobile satellite Earth Stations (LMES) and Maritime Mobile satellite Earth Stations (MMES) operating in the 1 518 MHz to 1 675 MHz frequency bands; ETSI EN 301 426 Low data rate Land Mobile satellite Earth Stations (LMES) operating in the 11/12/14 GHz frequency bands; ETSI EN 301 427 Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1 610 MHz to 2 500 MHz frequency bands under the Mobile Satellite Service (MSS); ETSI EN 301 441 Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1 980 MHz to 2 200 MHz frequency bands under the Mobile Satellite Service (MSS); ETSI EN 301 442 Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) operating in the 1 518 MHz to 1 675 MHz frequency bands providing voice and/or data communications; ETSI EN 301 444 Mobile Earth Stations (MES) providing Low Bit Rate Data Communications (LBRDC) using Low Earth Orbiting (LEO) satellites operating in the 137 MHz to 401 MHz frequency bands; ETSI EN 301 721 Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) of Geostationary mobile satellite systems, including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) under the Mobile Satellite Service (MSS), operating in the 1 518 MHz to 1 675 MHz frequency bands; ETSI EN 301 681 Aircraft Earth Stations (AES) providing Aeronautical Mobile Satellite Service (AMSS)/Mobile Satellite Service (MSS) and/or the Aeronautical Mobile Satellite on Route Service (AMS(R)S)/Mobile Satellite Service (MSS), operating in the 1 518 MHz to 2 500 MHz frequency bands; ETSI EN 301 473 The environmental classification used in the present document are as stated in ETSI EN 301 489-1. For a multimode radio station, the present document only applies to the radio station when operated in the Mobile Satellite Service mode. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: Draft ETSI EN 301 489-20 V2.1.2

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 301 489-3 V2.1.2

**Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 3. Eritingimused raadiosagedusalades 9 kHz kuni 246 GHz töötavatele lähetoimeseadmetele (SRD); Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard for ElectroMagnetic Compatibility**

The present document covers the assessment of Short Range Devices (SRD) operating in the frequency range 9 kHz to 246 GHz in respect of ElectroMagnetic Compatibility (EMC). The present document specifies the applicable test conditions, performance assessment, and performance criteria for Short Range Devices (SRD) and the associated ancillary equipment. The present document applies to the categories of SRD listed in Table 1 with the exception that the present document does not apply to devices for which a product specific harmonised EMC standard is available. NOTE 1: The entries in Table 1 of the present document are based on the Decision (EU) 2019/1345, Table 1. Table 1: Categories of short range device Category of Short Range Devices; Scope of the category Non-specific SRD.; Covers all kinds of radio devices, regardless of the application or their purpose, which fulfil the technical conditions as specified for a given frequency band. Typical uses include telemetry, telecommand, alarms, data transmissions in general and other applications. (See note 1). Active medical implant devices. (See note 2).; Covers the radio part of active implantable medical devices that are intended to be fully or partially introduced, surgically or medically, into the human body or that of an animal, and where applicable their peripherals. Active implantable medical devices are defined in Council Directive 90/385/EEC. Assistive listening devices (ALDs). (See note 2).; Covers radio communications systems that allow persons with hearing impairment to increase their listening capability. Typical system installations include one or more radio transmitters and one or more radio receivers. High duty cycle/continuous transmission devices.; Covers radio devices that rely on low latency and high duty cycle transmissions. These devices are typically used for personal wireless audio and multimedia streaming systems used for combined audio/video transmissions and audio/video sync signals, mobile phones, automotive or home entertainment system, wireless microphones, cordless loudspeakers, cordless headphones, radio devices carried on a person, assistive listening devices, in-ear monitoring, wireless microphones for use at concerts or other stage productions, and low power analogue FM transmitters. Inductive devices.; Covers radio devices that use magnetic fields with inductive loop systems for near field communications. This typically includes devices for car immobilisation, animal identification, alarm systems, cable detection, waste management, personal identification, wireless voice links, access control, proximity sensors, anti-theft systems as well as RF anti-theft induction systems, data transfer to hand-held devices, automatic article identification, wireless control systems and automatic road tolling. Low duty cycle/high reliability devices; Covers radio devices that rely on low overall spectrum utilisation and low duty cycle spectrum access rules to ensure highly reliable spectrum access and transmissions in shared bands. Typical applications include alarm systems that use radio communication for indicating an alert condition at a distant location and social alarm systems that allow reliable communication for a person in distress. Medical data acquisition devices. (See note 2); Covers the transmission of non-voice data to and from non-implantable medical devices in order to monitor, diagnose and treat patients in healthcare facilities or in their homes as prescribed by duly authorised healthcare professionals. PMR446 devices.; Covers hand portable equipment (without base station or repeater use) carried on a person or manually operated, which uses integral antennas only in order to maximise sharing and minimise interference. PMR 446 equipment operates in short-range peer-to-peer mode and excludes use either as a part of infrastructure network or as a repeater. Radio determination devices. (See note 2).; Covers radio devices used for determining the position, velocity and/or other characteristics of an object, or for obtaining information relating to these parameters. Radio determination equipment typically conducts measurements to obtain such characteristics. Radio determination devices exclude any kind of point-to-point or point-to-multipoint radio communications. Radio frequency identification (RFID) devices.; Covers tag/interrogator based radio communications systems, consisting of (i) radio devices (tags) attached to animate or inanimate items and (ii) transmitter/receiver units (interrogators) which activate the tags and receive data back. Typical applications include the tracking and identification of items, for instance for the purpose of electronic article surveillance (EAS), and collecting and transmitting data relating to the items to which tags are attached, which may be either battery-less, battery assisted or battery powered. The responses from a tag are validated by its interrogator and passed to its host system. Transport and traffic telematics devices.; Covers radio devices that are used in the fields of transport (road, rail, water or air, depending on the relevant technical restrictions), traffic management, navigation, mobility management and in intelligent transport systems (ITS). Typical applications include interfaces between different modes of transport, communication between vehicles (e.g. car to car), between vehicles and fixed locations (e.g. car to infrastructure) as well as communication from and to users. Wideband data transmission devices. (See note 2).; Covers radio devices that use wideband modulation techniques to access the spectrum. Typical uses include wireless access systems such as radio local area networks (WAS/RLANs) or wideband SRDs in data networks. NOTE 1: The Annex of the Decision (EU) 2019/1345 lists the frequency bands and associated conditions harmonised in the EU. There may be variations in individual countries. NOTE 2: A product specific harmonised EMC standard may be applicable for some devices and should be used in preference to the present document. Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of the radio equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum. The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1, except for any special conditions included in the present document. NOTE 2: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in Annex A.

Keel: en

Alusdokumendid: Draft ETSI EN 301 489-3 V2.1.2

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 303 372-1 V1.2.0

Satelliitside maajaamad ja süsteemid (SES); Satelliit-ringhäälingu vastuvõtjad; Osa 1.

Välisseade vastuvõtusedagedusega 10,7 GHz kuni 12,75 GHz; Raadiospektrile juurdepääsu harmoneeritud standard

Satellite Earth Stations and Systems (SES); Satellite broadcast reception equipment; Part 1:

Outdoor unit receiving in the 10,7 GHz to 12,75 GHz frequency band; Harmonised Standard for access to radio spectrum

The present document applies to ODUs for satellite broadcast reception from geostationary satellites in the frequency band 10,7 GHz to 12,75 GHz. An ODU receives electromagnetic waves from a satellite. It amplifies the receive signal at low noise, converts it to a lower frequency band and makes it available to the IDU on an interface. Part of the IDU functionality may be integrated with the ODU. In that case the present document applies only to the ODU functionality that is defined above. The present document contains requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Keel: en
Alusdokumendid: Draft ETSI EN 303 372-1 V1.2.0
Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 303 372-2 V1.2.0

Satelliitside maajaamad ja süsteemid (SES); Satelliit-ringhäälingu vastuvõtjad; Osa 2. Siseseade; Raadiospektrile juurdepääsu harmoneeritud standard Satellite Earth Stations and Systems (SES); Satellite broadcast reception equipment; Part 2: Indoor unit; Harmonised Standard for access to radio spectrum

The present document applies to InDoor Units (IDUs) for satellite broadcast reception. An indoor unit gets on an input interface the signal that has been received from satellite and processed by the OutDoor Unit (ODU). It performs carrier selection, demodulation, audio and video decoding. IDUs in the scope of the present document demodulate broadcast carriers by means of a Zero IF tuner. Part of the IDU functionality may be integrated with the ODU. In that case the present document applies to this part of functionality as well as the remaining part in the IDU. The indoor unit may be integrated with a domestic television receiver. The present document contains requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Keel: en
Alusdokumendid: Draft ETSI EN 303 372-2 V1.2.0
Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 303 676 V1.0.1

Navigation radar used on inland waterways; Operational, functional and technical requirements

The present document defines the functional and operational requirements for navigational radar installations used in inland waterways as required by CESNI ES-TRIN standard. The present document is applicable to radar equipment and its associated primary navigational display intended for the navigation of vessels on inland waterways with the following characteristics: • Transmitter Peak Envelope Power up to 10 kW. • The antenna is rotating and passive. • Unmodulated single carrier frequency only may be utilized. The applicable frequencies of operation of this type of radio equipment are given in table 1. These frequencies are allocated to the radio navigation service, as defined in article 5 of the ITU Radio Regulations. Table 1: Radio navigation service frequencies
Radio navigation service frequencies Transmit 9 300 MHz to 9 500 MHz Receive 9 300 MHz to 9 500 MHz

Keel: en
Alusdokumendid: Draft ETSI EN 303 676 V1.0.1
Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 303 758 V1.1.0

TETRA raadioseadmed, mis kasutavad vahelduvat mähisjoone modulatsiooni ja kanalilaiust 25 kHz, 50 kHz, 100 kHz või 150 kHz; Raadiospektrile juurdepääsu harmoneeritud standard TETRA radio equipment using non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz; Harmonised Standard for access to radio spectrum

The present document specifies the technical requirements and methods of measurements for TETRA radio transmitters and receivers used in stations and technical requirements and methods of measurements for TMO repeater in the Private Mobile Radio (PMR) service. It applies to use in the land mobile service, operating on radio frequencies between 137 MHz and 1 GHz, with channel separations of 25 kHz, 50 kHz, 100 kHz and 150 kHz. Table 1: Radiocommunications service frequency bands
Radiocommunications service frequency bands Transmit 137 MHz to 1 000 MHz Receive 137 MHz to 1 000 MHz
It applies to equipment for continuous and/or discontinuous transmission of data and/or digital speech. The equipment (base station and mobile station) comprises a transmitter and associated encoder and modulator and/or a receiver and associated demodulator and decoder. The types of equipment covered by the present document are as follows: • base station (equipment fitted with an antenna connector, intended for use in a fixed location); • mobile station (equipment fitted with an antenna connector, normally used in a vehicle or as a transportable); • TMO Repeater; and • those hand portable stations: a) fitted with an antenna connector; or b) without an external antenna connector (integral antenna equipment), but fitted with a permanent internal or a temporary internal 50 Ω Radio Frequency (RF) connector which allows access to the transmitter output and the receiver input. Hand portable equipment without an external or internal RF connector and without the possibility of having a temporary internal 50 Ω RF connector is not covered by the present document. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 758 V1.1.0
Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 60794-3-40:2021

Optical fibre cables - Part 3-40: Outdoor cables - Family specification for cables for storm and sanitary sewers

This part of IEC 60794 is a family specification that covers sewer cables and conduits for installation by blowing and/ or pulling in man accessible and non-man accessible storm and sanitary sewers. Systems built with components covered by this standard are subject to the requirements of sectional specification IEC 60794-3. Sewer cable and conduit constructions have to meet the different requirements of the sewer operating companies and/or associations regarding chemical, environmental, operational,

cleaning and in general maintenance conditions. Preferential applications, describing sewer cable characteristics versus methods of installation is reported in Annex A and Annex B for non-man accessible sewers. Clause 5 describes characteristics of sewer cables and conduits for installation by blowing, pulling or other means in storm and sanitary sewers. Detail specifications may be prepared on the basis of this family specification. The parameters specified in this standard may be affected by measurement uncertainty arising either from measurement errors or calibration errors due to lack of suitable standards. Acceptance criteria should be interpreted with respect to this consideration. The number of fibres tested is representative of the sewer cable and should be agreed between the customer and the supplier.

Keel: en

Alusdokumendid: IEC 60794-3-40:202X; prEN IEC 60794-3-40:2021

Asendab dokumenti: EVS-EN 60794-3-40:2009

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 61968-100:2021

Application integration at electric utilities - System interfaces for distribution management - Part 100: Implementation profiles

1.1 General This International Standard is Part 100 of IEC 61968. It defines how messages may be exchanged between co-operating systems in order to facilitate the transfer of application-specific data. Such application-specific data include but are not limited to the message payloads defined in IEC 61968 (Parts 3-9 and Part 13), IEC 61970 and IEC 62325. 1.2 About This International Standard This International Standard provides normative definitions for: - a set of message archetypes (clause 5); - a set of message exchange patterns that both sending and receiving systems are expected to implement (clause 6); - the exact format of the messages that are to be transmitted over the various integration technologies including a precise description of the information that each message must contain (clause 7); - a set of constraints and conventions to which applications must adhere in order to facilitate message exchange using IEC 61968-100 (clause 8); - the details of how IEC 61968-100 messages should be implemented using various underlying transport mechanisms (clause 9). 1.3 What is not covered by this International Standard Security considerations lie outside the scope of IEC 61968-100. This document defers to the IEC 62351 series for definitions and practices relating to the secure transmission of messages. 1.4 Future Considerations 1.4.1 Choice of Encoding Mechanisms IEC 61968-100:2021 prescribes XML as the normative encoding mechanism for all messages defined by this International Standard. Future editions of IEC 61968-100 may specify additional normative encoding methods including support for IEC 62361-104. The latter defines encodings to facilitate the exchange of information in the form of JSON documents whose semantics are defined by the IEC CIM and whose syntax is defined by an IETF JSON schema. 1.4.2 Choice of Web Service Technologies IEC 61968-100:2021 provides normative definitions for the use of SOAP Web Services (clause 9.2) and Java Messaging Service (clause 9.3) for the transport of messages. Future editions of IEC 61968-100 may specify additional normative web service technologies such as REST.

Keel: en

Alusdokumendid: IEC 61968-100:202X; prEN IEC 61968-100:2021

Asendab dokumenti: EVS-EN 61968-100:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

35 INFOTEHNOLOOGIA

prEN 17632

Building Information Modelling (BIM) - Semantic Modelling and Linking (SML)

This document discusses an integrated and unified approach for data aspects, specifically for assets in the built environment, using EIF terminology. This document specifies: - a generic Top Level "M1: Data model" as common form; - a conceptual "L1: Data language" as common meta-model with four 'linked data'-based concrete language bindings (SKOS, RDFS, OWL and SHACL), including: - a choice of RDF-based formats (to be used for all modelling and language levels); - a set of data modelling patterns (for identification, naming, handling of enumeration types, quantity modelling, asset decomposition, grouping, etc.). - a linking approach for interlinking data sets, interlinking data models and linking data sets and data models which are relevant within the built environment from many perspectives such as: - Building information modelling (BIM); - Geo-spatial information systems (GIS); - Systems engineering (SE)); - Monitoring & control (M&C); - Electronic document management (EDM). This document does not specify a knowledge model since this is already available in ISO 12006-3. This document does not specify a meta-'data language' since this is already provided by the concrete RDF language bindings (being RDFS). The scope of this document in general excludes the following: - Business process modelling; - Software implementation aspects; - Data packaging and transportation/transaction aspects (handled by ISO TC59/SC13 Information container for document delivery (ICDD) respectively various information delivery manual (IDM) / information exchange requirements (EIR)-related initiatives); - Domain-specific (here: built environment-specific) content modelling in the form of concepts, attributes and relations at end-user level (the actual ontologies themselves) beyond a generic upper ontology and modelling patterns.

Keel: en

Alusdokumendid: prEN 17632

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17650

A framework for digital preservation of cinematographic works - The Cinema Preservation Package

This document defines the Cinema Preservation Package (CPP) to facilitate the digital preservation of cinematographic works. It defines methods to describe the relationship of components of the cinematographic work and delivers a syntax to describe the package content. The document itself defines the structure of the package and specifies the constraints that are necessary to enable compliance and interoperability. Versions of the content using different encoding formats can be preserved in a layered

structure where the lowest level is describing the physical file. The files can carry data representing moving images, sound, metadata or ancillary information like quality control (QC) protocols or film posters. The Cinema Preservation Package also contains hash values on different levels to ensure data integrity and version control. The syntax for this description and the methods for the hash value generation are defined in this document. Various types of content coding are described as reference for concrete implementations. The Cinema Preservation Package is well suited to serve as a Submission Information Package (SIP) in an OAIS compliant preservation system or as a self-contained exchange format between media archives. The CPP does not necessarily contain a complete cinematographic work, it can also be used for exchange of parts of a work.

Keel: en

Alusdokumendid: prEN 17650

Arvamusküsitluse lõppkuupäev: 30.05.2021

37 VISUAALTEHNIKA

prEN 17650

A framework for digital preservation of cinematographic works - The Cinema Preservation Package

This document defines the Cinema Preservation Package (CPP) to facilitate the digital preservation of cinematographic works. It defines methods to describe the relationship of components of the cinematographic work and delivers a syntax to describe the package content. The document itself defines the structure of the package and specifies the constraints that are necessary to enable compliance and interoperability. Versions of the content using different encoding formats can be preserved in a layered structure where the lowest level is describing the physical file. The files can carry data representing moving images, sound, metadata or ancillary information like quality control (QC) protocols or film posters. The Cinema Preservation Package also contains hash values on different levels to ensure data integrity and version control. The syntax for this description and the methods for the hash value generation are defined in this document. Various types of content coding are described as reference for concrete implementations. The Cinema Preservation Package is well suited to serve as a Submission Information Package (SIP) in an OAIS compliant preservation system or as a self-contained exchange format between media archives. The CPP does not necessarily contain a complete cinematographic work, it can also be used for exchange of parts of a work.

Keel: en

Alusdokumendid: prEN 17650

Arvamusküsitluse lõppkuupäev: 30.05.2021

43 MAANTEESÕIDUKITE EHITUS

prEN 12252

LPG equipment and accessories - Equipping of LPG road tankers

This document specifies equipment and accessories for road tankers used for the transport of Liquefied Petroleum Gas (LPG) and identifies the equipment that is considered necessary to ensure that filling, transportation and discharge operations can be carried out safely. It specifies the requirements for the assembly of the accessories and the vehicle LPG equipment to the road tanker. This document also identifies additional equipment and accessories that can be used on road tankers carrying LPG. This document does not preclude the use of alternative designs, materials and equipment testing which provide the same or a higher level of safety. ADR [9] requires that such alternative technical codes be recognized by the competent authority, provided that the minimum requirements of section 6.8.2 of ADR [9] are complied with. This document does not apply to "tank-containers" or "battery-vehicles" used for the transport of LPG.

Keel: en

Alusdokumendid: prEN 12252

Asendab dokumenti: EVS-EN 12252:2014

Arvamusküsitluse lõppkuupäev: 30.05.2021

45 RAUDTEETEHNIKA

EN 12080:2017/prA1

Railway applications - Axleboxes - Rolling bearings

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

Keel: en

Alusdokumendid: EN 12080:2017/prA1

Muudab dokumenti: EVS-EN 12080:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3524

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Sheets and strips - $2 \text{ mm} \leq a \leq 6 \text{ mm}$ - $1\ 080 \text{ MPa} \leq R_m \leq 1\ 280 \text{ MPa}$

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

Keel: en

Alusdokumendid: prEN 3524

Asendab dokumenti: EVS-EN 3524:2007

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 3525

Aerospace series - Steel 15CrMoV6 (1.7334) - Air melted - Hardened and tempered - Plates - $6 \text{ mm} \leq a \leq 20 \text{ mm}$ - $1\ 080 \text{ MPa} \leq R_m \leq 1\ 280 \text{ MPa}$

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

Keel: en

Alusdokumendid: prEN 3525

Asendab dokumenti: EVS-EN 3525:2007

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 4179

Aerospace series - Qualification and approval of personnel for nondestructive testing

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

Keel: en

Alusdokumendid: prEN 4179

Asendab dokumenti: EVS-EN 4179:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

53 TÖSTE- JA TEISALDUS-SEADMED

prEN ISO 3691-6

Industrial trucks - Safety requirements and verification - Part 6: Burden and personnel carriers (ISO/FDIS 3691-6:2021)

This document gives safety requirements and the means for their verification for self-propelled carriers designed for carrying burdens without lifting, as defined in ISO 5053-1:2020, and/or personnel carriers, having three or more wheels, a maximum speed not exceeding 56 km/h and a load capacity not exceeding 5 000 kg (hereafter referred to as carriers or trucks). This document is applicable to trucks equipped with a platform (which can be tilting) for the purpose of carrying materials or with a number of seats for the purpose of transporting passengers. It is not applicable to: — vehicles intended primarily for earth-moving or over-the-road hauling; — driverless trucks; — pedestrian controlled trucks; — golf cars; — tractors with a drawbar

pull up to and including 20 000 N equipped with a platform for the purpose of carrying materials. This document deals with all significant hazards, hazardous situations or hazardous events, as listed in Annex A, relevant to the applicable machines when used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document does not deal with hazard due to the risk of break-up during operation. It does not establish requirements for hazards that can occur when using trucks on public roads or when operating in potentially explosive atmospheres. It does not establish requirements to provide fire extinguishers. Regional requirements, additional to the requirements given in this document, are addressed in EN 16307-6:2014 and ISO/TS 3691-8:2019.

Keel: en

Alusdokumendid: ISO/FDIS 3691-6; prEN ISO 3691-6

Asendab dokumenti: EVS-EN ISO 3691-6:2015

Asendab dokumenti: EVS-EN ISO 3691-6:2015/AC:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN ISO 8611-1

Pallets for materials handling - Flat pallets - Part 1: Test methods (ISO/DIS 8611-1:2021)

This part of ISO 8611 specifies the test methods available for evaluating new flat pallets for materials handling. The test methods are split into groups for: — nominal load testing; — maximum working load testing; — durability comparison testing. It is not intended to apply to pallets with a fixed superstructure or a rigid, self-supporting container that can be mechanically attached to the pallet and which contributes to the strength of the pallet. NOTE Specific tests for determining load capacity do not replace the value of conducting field tests on specific pallet designs.

Keel: en

Alusdokumendid: ISO/DIS 8611-1; prEN ISO 8611-1

Asendab dokumenti: EVS-EN ISO 8611-1:2012

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 8611-2

Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests (ISO/DIS 8611-2:2021)

This part of ISO 8611 specifies the performance requirements to establish nominal loads for new flat pallets. It also specifies the tests required for new flat pallets in various handling environments and the performance requirements for tests with payloads. It is not intended to apply to pallets with a fixed superstructure or a rigid, self-supporting container that can be mechanically attached to the pallet and which contributes to the strength of the pallet.

Keel: en

Alusdokumendid: ISO/DIS 8611-2; prEN ISO 8611-2

Asendab dokumenti: EVS-EN ISO 8611-2:2012

Asendab dokumenti: EVS-EN ISO 8611-2:2012/A1:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN 17651

Leather - Labelling of leather goods products

This document sets out the rules to label leather goods. This document defines the information to be reported on the labels applied to the leather goods, the main terms relating to the materials in the leather goods sector, and applies exclusively to leather goods intended for sale to the final consumer.

Keel: en

Alusdokumendid: prEN 17651

Arvamusküsitluse lõppkuupäev: 30.05.2021

65 PÕLLUMAJANDUS

EN 50632-2-17:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 2-17: Particular requirements for routers and trimmers

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

Keel: en

Alusdokumendid: EN 50632-2-17:2016/prA1

Muudab dokumenti: EVS-EN 50632-2-17:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN ISO 11850:2011/prA2

Machinery for forestry - General safety requirements - Amendment 2: Access to operator's station and maintenance locations (ISO 11850:2011/DAM 2:2018)

Amendment for EN ISO 11850:2011

Keel: en

Alusdokumendid: EN ISO 11850:2011/prA2; ISO 11850:2011/DAM 2:2021

Muudab dokumenti: EVS-EN ISO 11850:2011

Arvamusküsitluse lõppkuupäev: 30.04.2021

prEN ISO 16119-5

Agricultural and forestry machinery - Environmental requirements for sprayers - Part 5: Aerial spray systems (ISO/DIS 16119-5:2021)

This document specifies requirements and the means for their verification for the design and performance of fixed wing and rotary aircraft spray systems for agriculture, forestry, turf, and vegetation control in transport access ways (such as gas and electric lines) with regard to minimizing the potential risk of environmental contamination during use, including misuse foreseeable by the manufacturer. It is intended to be used with ISO 16119-1, which gives general requirements common to all the sprayer types covered by ISO 16119. When requirements of this document are different from those stated in ISO 16119-1, the requirements of this document take precedence over the requirements of ISO 16119-1 for machines within the scope of this document. This document does cover safety of aerial spray equipment not covered by ISO 4254 series. This document is not applicable to sprayers manufactured before the date of its publication, or unmanned aerial vehicles (such as drones).

Keel: en

Alusdokumendid: ISO/DIS 16119-5; prEN ISO 16119-5

Arvamusküsitluse lõppkuupäev: 30.05.2021

67 TOIDUAINETE TEHNOLOOGIA

prEN 14111

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of iodine value

This document specifies a titrimetric method for the determination of iodine value in Fatty Acid Methyl Esters, hereinafter referred as FAME. The precision statement of this test method was determined in a Round Robin exercise with iodine values in the range 111 g iodine/100 g to 129 g iodine/100 g. The test method is also applicable for lower iodine values, however, the precision statement is not established for iodine values below 111 g iodine/100 g. **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 users of this document to take appropriate measures to ensure the safety and health of personnel prior to the application of the document, and to determine the applicability of any other restrictions for this purpose.

Keel: en

Alusdokumendid: prEN 14111

Asendab dokumenti: EVS-EN 14111:2003

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 15180

Food processing machinery - Food depositors - Safety and hygiene requirements

1.1 General This document deals with all significant hazards, hazardous situations and events relevant to food depositors as listed in 1.2 and the equipment typically integrated with them, i.e. product pumps, product elevators, conveyors and indexing mechanisms, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex B). This document deals with the significant hazards, hazardous situations and events during transport, assembly and installation, commissioning, use, decommissioning, disabling, dismantling and scrapping. **NOTE 1** According to the clause which is referred to, "use" includes "setting, teaching/programming or process changeover, operation, cleaning, fault finding and maintenance". **NOTE 2** Although this document is intended to apply to depositors used in the food industry, many of its requirements can also be used for the same or similar machines used in other industries. This document is not applicable to the following machines: — auger depositors or auger fillers and gravimetric filling machines, safety requirements for these machines are contained in EN 415-3; — automatic dough dividers, safety requirements for these machines are contained in EN 12042; — filling machines for sausages, safety requirements for these machines are contained in EN 12463; — mincing machines, safety requirements for these machines are contained in EN 12331; — food depositors that are powered exclusively by manual effort. This document does not deal with the following hazards: — hazards related to the use of food depositors in a potentially explosive atmosphere; — hazards that may arise from using a food depositor to deposit a non-food product. This document is not applicable to food depositors that were manufactured before the date of its publication as a European Standard.

Keel: en

Alusdokumendid: prEN 15180

Asendab dokumenti: EVS-EN 15180:2014

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 24223

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

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

Keel: en

Alusdokumendid: ISO/DIS 24223; prEN ISO 24223

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 4531

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO/DIS 4531:2021)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. It also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. It is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en

Alusdokumendid: ISO/DIS 4531; prEN ISO 4531

Asendab dokumenti: EVS-EN ISO 4531:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 13483

Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems - Specification

This document specifies the requirements and test methods for verification for hose assemblies with vapour recovery for delivery systems on petrol filling stations. The hose assemblies with vapour recovery for delivery systems on petrol filling stations need to be capable of withstanding anticipated mechanical, thermal and chemical stressing and be resistant to the combustible liquids used in these applications as well as their vapour and vapour air mixtures. It is imperative that the assemblies be constructed in such a way that actions during normal operation cannot give rise to dangerous electrostatic charges nor that there will be any reduction in the performance of the vapour recovery. The assemblies are intended for use at ambient temperatures between $-30\text{ }^{\circ}\text{C}$ and $+55\text{ }^{\circ}\text{C}$ for normal temperature class and $-40\text{ }^{\circ}\text{C}$ and $+55\text{ }^{\circ}\text{C}$ for low temperature class at a working pressure ≤ 16 bar. Hoses can be constructed from rubber or thermoplastic elastomer (TPE) and this document specifies the requirements for three types of hoses in two grades and two classes of hose assemblies for measured fuel dispensing systems, including oxygenated fuels ($\leq 15\%$ oxygenated compounds) with internal vapour recovery tubing or hose. NOTE This document is not applicable to multi chamber fuel dispensing hoses. As part of the certification of a new dispenser, testing of fuel samples in accordance with EN 228 are carried out at least eight weeks after the first use of the equipment to avoid unrepresentative sulphur content results.

Keel: en

Alusdokumendid: prEN 13483

Asendab dokumenti: EVS-EN 13483:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17649

Gas infrastructure - Safety Management System (SMS) and Pipeline Integrity Management System (PIMS) - Functional requirements

This document specifies requirements on the development and implementation of a Safety Management System (SMS) and a Pipeline Integrity Management System (PIMS). The SMS is applicable for system operators of a gas infrastructure. The PIMS is applicable for system operators of gas infrastructure with a maximum operating pressure (MOP) over 16 bar. This document refers to all activities and processes related to safety aspects and performed by system operators of a gas infrastructure, including those activities entrusted to contractors. It includes safety-related provisions on operation of the gas infrastructure. The described SMS is applicable to infrastructure for the conveyance of processed, non-toxic and non-corrosive natural gas according to EN ISO 13686 and non-conventional gases such as biomethane and hydrogen and substitute natural gases including injected gases. This document covers also EN 16726, which 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. The requirements and test methods for biomethane at the point of entry into natural gas network are covered by EN 16723-1. This document can apply for gas infrastructure conveying gases of the 3rd gas family as classified in EN 437. Specific requirements for occupational health and safety are excluded from this document. For these, national legislation and other European and/or international standards, e.g. OHSAS 18001, apply. This document specifies common basic principles for gas infrastructure. It is important that users of this document are aware that more detailed national standards and/or codes of practice may exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). NOTE 1 CEN/TR 13737 (all parts) contains: - clarification of relevant legislation/regulations applicable in a country; - if appropriate, more restrictive national requirements; - national contact points for the latest information.

Keel: en
Alusdokumendid: prEN 17649
Asendab dokumenti: EVS-EN 15399:2018
Asendab dokumenti: EVS-EN 16348:2013

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 16486-4

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves (ISO/DIS 16486-4:2021)

This part of ISO 16486 specifies the characteristics of valves made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels. Valves made from other material than unplasticized polyamide designed for the supply of gaseous fuels conforming to the relevant standards are permitted to be used in PA-U piping system according to ISO 16486 provided they have relevant PA-U connections for butt fusion or electrofusion ends (see ISO 164863). The component, i.e. the complete valve, shall fulfil the requirements of this part of ISO 16486. It also specifies the test parameters for the test methods referred to in this part of ISO 16486. It is applicable to bi-directional valves with spigot end or electrofusion socket intended to be jointed with PA-U pipes conforming to ISO 16486 2 without any fittings or with PA-U fittings conforming to ISO 164863. This part of ISO 16486 covers valves for pipes with a nominal outside diameter, dn, ≤250 mm.

Keel: en
Alusdokumendid: ISO/DIS 16486-4; prEN ISO 16486-4

Arvamusküsitluse lõppkuupäev: 30.05.2021

77 METALLURGIA

prEN 10169

Continuously organic coated (coil coated) steel flat products - Technical delivery conditions

This document specifies requirements for continuously organic coated (coil coated) steel flat products. It particularly specifies the performance requirements. The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip). NOTE National provisions can set up relationships between the performances of the coatings as required in this document and the outdoor atmospheres and ambiances required for a relevant building under study. This document is not applicable to continuously organic coated flat products made of: - tin mill products; - electrical steels.

Keel: en
Alusdokumendid: prEN 10169
Asendab dokumenti: EVS-EN 10169:2010+A1:2012

Arvamusküsitluse lõppkuupäev: 30.05.2021

79 PUIDUTEHNOLOOGIA

EN 50632-3-1:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 3-1: Particular requirements for transportable table saws

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

Keel: en
Alusdokumendid: EN 50632-3-1:2016/prA1
Muudab dokumenti: EVS-EN 50632-3-1:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

EN 50632-3-9:2016/prA1

Electric motor-operated tools - Dust measurement procedure - Part 3-9: Particular requirements for transportable mitre saws

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

Keel: en
Alusdokumendid: EN 50632-3-9:2016/prA1
Muudab dokumenti: EVS-EN 50632-3-9:2016

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 19630**Fine ceramics (advanced ceramics, advanced technical ceramics) - Methods of test for reinforcements - Determination of tensile properties of filaments at ambient temperature (ISO 19630:2017)**

This International standard specifies the conditions for determination of tensile properties of single filaments of ceramic fibre such as tensile strength, Young modulus and fracture strain. The method applies to continuous ceramic filaments taken from tows, yarns, braids and knittings, which have strain to fracture less than or equal to 5 %. The method does not apply to carbon fibres that exhibit non-linear stress-strain curve. The method does not apply to checking the homogeneity of strength properties of fibres, nor to assessing the effects of volume under stress. Statistical aspects of filament failure are not included.

Keel: en

Alusdokumendid: ISO 19630:2017; prEN ISO 19630

Asendab dokumenti: EVS-EN 1007-4:2004

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 19634**Fine ceramics (advanced ceramics, advanced technical ceramics) - Ceramic composites - Notations and symbols (ISO 19634:2017)**

This document defines the symbols to be used to represent physical, mechanical and thermal characteristics, as determined by methods described in relevant ISO publications, for ceramic matrix composites. It is aimed at avoiding confusion in reporting measurements and characteristics of products. Where possible, the definitions are in accordance with the relevant parts of ISO 80000. In addition, the symbols used in undertaking measurements of these characteristics are also defined.

Keel: en

Alusdokumendid: ISO 19634:2017; prEN ISO 19634

Asendab dokumenti: CEN/TR 13233:2007

Asendab dokumenti: CEN/TR 13233:2007/AC:2007

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 20323**Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure - Determination of tensile properties of tubes (ISO 20323:2018)**

This document specifies the conditions for the determination of tensile properties of ceramic matrix composite tubes with continuous fiber-reinforcement at ambient temperature in air atmospheric pressure. This document is specific to the tubular geometries since fiber architecture and specimen geometry factors are distinctly different in composite tubes, as compared to flat specimens. This document provides information on the uniaxial tensile properties and tensile stress-strain response such as tensile strength and strain, tensile elastic modulus and Poisson's ratio. The information may be used for material development, control of manufacturing (quality insurance), material comparison, characterization, reliability and design data generation for tubular components. This document addresses, but is not restricted to, various suggested test piece fabrication methods. It applies primarily to ceramic and/or glass matrix composite tubes with a continuous fibrous-reinforcement: unidirectional (1D filament winding and tape lay-up), bi-directional (2D braid and weave) and tri-directional (xD, with $2 < x < 3$), loaded along the tube axis. Values expressed in this International Standard are in accordance with the International System of Units (SI). NOTE In most cases, ceramic matrix composites to be used at high temperature in air are coated with an antioxidation coating.

Keel: en

Alusdokumendid: ISO 20323:2018; prEN ISO 20323

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 11357-7**Plastics - Differential scanning calorimetry (DSC) - Part 7: Determination of crystallization kinetics (ISO/DIS 11357-7:2021)**

This document specifies two methods (isothermal and non-isothermal) for studying the crystallisation kinetics of partially crystalline polymers using differential scanning calorimetry (DSC). It is only applicable to molten polymers. NOTE These methods are not suitable if the molecular structure of the polymer is modified during the test.

Keel: en

Alusdokumendid: ISO/DIS 11357-7; prEN ISO 11357-7

Asendab dokumenti: EVS-EN ISO 11357-7:2015

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 16486-4

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves (ISO/DIS 16486-4:2021)

This part of ISO 16486 specifies the characteristics of valves made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels. Valves made from other material than unplasticized polyamide designed for the supply of gaseous fuels conforming to the relevant standards are permitted to be used in PA-U piping system according to ISO 16486 provided they have relevant PA-U connections for butt fusion or electrofusion ends (see ISO 16486-3). The component, i.e. the complete valve, shall fulfil the requirements of this part of ISO 16486. It also specifies the test parameters for the test methods referred to in this part of ISO 16486. It is applicable to bi-directional valves with spigot end or electrofusion socket intended to be jointed with PA-U pipes conforming to ISO 16486-2 without any fittings or with PA-U fittings conforming to ISO 16486-3. This part of ISO 16486 covers valves for pipes with a nominal outside diameter, d_n , ≤ 250 mm.

Keel: en

Alusdokumendid: ISO/DIS 16486-4; prEN ISO 16486-4

Arvamusküsitluse lõppkuupäev: 30.05.2021

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN 50176

Automatic electrostatic application systems for ignitable coating materials - Safety requirements

1.1 This document specifies the electrical requirements for the design of automatic electrostatic application systems for liquid coating materials which can be ignited in an atomised state, used within a temperature range from 5 °C to 40 °C. This document considers automatic electrostatic application systems for processing ignitable liquid coating materials, where the conductivity of the complete system is limited up to 50 nS/cm. Together with additional measures like e.g. potential separation systems, these requirements can also be applied to ignitable liquid coating materials, where the conductivity of the complete system is limited up to 2 000 µS/cm. Ignition hazards related to the generated explosive atmosphere and the protection of persons against electric shock are considered. 1.2 This document specifies requirements for interfaces to and additional requirements for machinery according to EN 16985:2018, prEN 12621:2020 and prEN 1953:2020. 1.3 This document also specifies requirements for a safe operation of electrostatic application systems, including the electrical installation. The requirements consider both the processing of coating materials and the cleaning and purge processes. 1.4 This document considers three types of spraying systems; see 5.1. Spraying systems are classified as equipment of group II, category 2G or category 3G. Only electrostatic spraying systems operating with a d.c. sinusoidal ripple of not more than 10 % of the r.m.s. value are considered. 1.5 For electrostatic spraying equipment used in food and pharmaceutical industry, additional requirements could apply. 1.6 This document is not applicable to: — liquid electrostatic application equipment for non ignitable liquid coating material, see EN 50348:2010 ; — electrostatic hand-held spraying equipment, see EN 50050 1:2013, EN 50050 2:2013 and EN 50050 3:2013 as well as prEN 50059:2021; — potential separation systems; — cleaning systems for spraying devices; — selection, installation and application of other electrical and non-electrical equipment in areas with explosion hazard, see EN 60079 14:2014 and EN 16985:2018; — quality assurance systems for electrostatic spraying equipment (see EN ISO/IEC 80079 34:2020, ZB.11). 1.7 This document is not applicable to equipment manufactured before the date of its publication as a European Standard.

Keel: en

Alusdokumendid: prEN 50176

Asendab dokumenti: EVS-EN 50176:2009

Arvamusküsitluse lõppkuupäev: 30.05.2021

91 EHITUSMATERJALID JA EHITUS

EN 12831-3:2017/prA1

Energy performance of buildings - Method for calculation of the design heat load - Part 3: Domestic hot water systems heat load and characterisation of needs, Module M8-2, M8-3

This European Standard describes a method to calculate the power and the storage volume required for the dimensioning of domestic hot water systems (DHW). The applicability ranges from direct water heaters (no storage volume and a comparatively large effective heating power) to larger storage systems with a comparatively small heating power and large storage volumes. This European Standard is applicable to the following water storage systems: - storage systems characterized by a minimal mixing zone, (such as stratified charging storage tanks or storage tanks with external heat exchangers): these systems are nominated in this standard as "charging storage systems"; - storage tank water heaters and warm water storage tanks with a pronounced mixing zone (such as DHW storage tanks with internal heat exchangers), nominated in this standard as "mixed storage systems"; and for different uses. The Scope also includes standardization methods for determining the energy need for domestic hot water. This European Standard covers the domestic hot water needs in buildings. The calculation of the energy needs for DHW-Systems applies to residential and non-residential buildings, a building or a zone of a building. Figure 1 shows the relative position of this standard within the set of EPB standards in the context of the modular structure as set out in EN ISO 52000-1. NOTE 1 In CEN ISO/TR 52000-2 the same table can be found, with, for each module, the numbers of the relevant EPB standards and accompanying technical reports that are published or in preparation. NOTE 2 The modules represent EPB standards, although one EPB standard may cover more than one module and one module may be covered by more than one EPB standard, for instance a simplified and a detailed method respectively. See also Clause 2 and Tables A.1 and B.1. Table 1 shows the relative position of this standard within the EPB package of standards. (...)

Keel: en

Alusdokumendid: EN 12831-3:2017/prA1
Muudab dokumenti: EVS-EN 12831-3:2017

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 1097-1

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

This document specifies the reference method used for type testing and in case of dispute, for determining the resistance to wear of coarse aggregates (main text) and aggregates for railway ballast (Annex A). Other methods can be used for other purposes, such as factory production control, provided that an appropriate working relationship with the relevant reference method has been established. This document applies to natural, manufactured or recycled aggregates. The reference test is performed with the addition of water. Annex B gives details of how the test can be performed without the addition of water. Annex C specifies the test performed with alternative narrow size fractions. Annexes D and E specify methods for determining the wear of fine aggregates. Precision data are given in Annex F. Annex A is normative and Annexes B, C, D, E and F are informative. **WARNING** – The use of this part of EN 1097 can involve hazardous materials, operations and equipment (such as dust, noise and heavy lifts). It does not purport to address all of the safety or environmental problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel and the environment prior to application of this document, and fulfil statutory and regulatory requirements for this purpose.

Keel: en

Alusdokumendid: prEN 1097-1

Asendab dokumenti: EVS-EN 1097-1:2011

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-1

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions

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

Keel: en

Alusdokumendid: prEN 14511-1

Asendab dokumenti: EVS-EN 14511-1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-2

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions

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

Keel: en

Alusdokumendid: prEN 14511-2

Asendab dokumenti: EVS-EN 14511-2:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-3

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods

1.1 The scope of prEN 14511-1:2021 is applicable. 1.2 This document specifies the test methods for the rating and performance of air conditioners, liquid chilling packages and heat pumps using either air, water or brine as heat transfer media, with electrically driven compressors when used for space heating and cooling. These test methods also apply for the rating and performance of process chillers. It also specifies the method of testing and reporting for heat recovery capacities, system

reduced capacities and the capacity of individual indoor units of multisplit systems, where applicable. This document also makes possible to rate multisplit and modular heat recovery multisplit systems by rating separately the indoor and outdoor units.

Keel: en

Alusdokumendid: prEN 14511-3

Asendab dokumenti: EVS-EN 14511-3:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 14511-4

Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements

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

Keel: en

Alusdokumendid: prEN 14511-4

Asendab dokumenti: EVS-EN 14511-4:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 10591

Building and civil engineering sealants - Determination of adhesion/cohesion properties of sealants after immersion in water (ISO/DIS 10591:2021)

This document specifies a method for the determination of the influence of water on the adhesion cohesion properties of sealants with predominantly plastic behaviour which are used in joints in buildings and civil engineering works.

Keel: en

Alusdokumendid: ISO/DIS 10591; prEN ISO 10591

Asendab dokumenti: EVS-EN ISO 10591:2005

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 11432

Building and civil engineering sealants - Determination of resistance to compression (ISO/DIS 11432:2021)

This document specifies a method for the determination of the resistance to compression of sealants used in joints in buildings and civil engineering works.

Keel: en

Alusdokumendid: ISO/DIS 11432; prEN ISO 11432

Asendab dokumenti: EVS-EN ISO 11432:2005

Arvamusküsitluse lõppkuupäev: 30.05.2021

97 OLME. MEELELAHUTUS. SPORT

EN 1888-1:2018/prA1

Child care articles - Wheeled child conveyances - Part 1: Pushchairs and prams

This European Standard specifies the safety requirements and test methods for pushchairs and prams, designed for the carriage of one or more children, up to 15 kg each and up to 20 kg for any integrated platform on which a child can stand. This European Standard does not cover toys, baby carriers fitted with wheels; pushchairs and prams propelled by a motor and pushchairs and prams designed for children with special needs. Where a pushchair or pram or any part of the pushchair or pram has several functions or can be converted into another function it is due to comply with relevant standard(s).

Keel: en

Alusdokumendid: EN 1888-1:2018/prA1

Muudab dokumenti: EVS-EN 1888-1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 17652

Cultural heritage - Investigation and monitoring of archaeological deposits for preservation in situ

This document describes investigations required for in situ preservation and monitoring of archaeological sites. It sets out the main parameters used to assess the state of preservation of archaeological materials and evaluate the preservation conditions of archaeological deposits and provides a framework for monitoring sites. A "decision making" framework is included to help readers make appropriate knowledge-based choices. The procedures described are appropriate for both terrestrial and underwater archaeological sites. The informative annexes relate primarily to terrestrial sites; for detailed technical guidance on investigating and monitoring marine sites, see sasmap.eu [6, 7]. NOTE Marine sites include all underwater sites and those in the intertidal zone.

Keel: en

Alusdokumendid: prEN 17652

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN 509

Decorative fuel-effect gas appliances

This document specifies the requirements and test methods for the construction, safety, and marking of decorative fuel effect gas appliances not exceeding a nominal heat input of 20 kW (based on the net calorific value), thereafter referred to as appliances. This document is applicable to appliances that are designed to simulate a solid fuel fire and incorporate a natural draught burner with or without an ignition burner. The appliances are for decorative purposes only and are not heating appliances. This document is applicable to type BAS, as described in 4.2, decorative fuel effect gas appliances that are designed to be installed within a non-combustible builder's opening or a non-combustible fireplace recess. This document includes additional requirements for Type BBS appliances which are specified in Annex F. In addition, this document is applicable to decorative fuel-effect gas appliances that are designed to be installed under a non-combustible canopy which may be independent or integral with a flue box, for which additional requirements are specified in Annex A. This document is not applicable to: - catalytic combustion appliances; - appliances in which the supply of combustion air and/or the evacuation of products of combustion is achieved by mechanical means. This document is only applicable to appliances which are intended to be type tested. Matters related to quality assurance systems, tests during production and to certificates of conformity of auxiliary devices are not dealt with by this document. Requirements concerning the rational use of energy have not been included in this document because the appliances are for decorative purposes.

Keel: en

Alusdokumendid: prEN 509

Asendab dokumenti: EVS-EN 509:2000

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 60704-2-18:2021

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-18: Particular requirements for electric water heaters

This clause of Part 1 is applicable except as follows: Addition: These particular requirements apply to single unit electric water heaters for household and similar use intended for placing on the floor against a wall, for building-in or placing under a counter, a kitchen worktop or under a sink, for wall-mounting or on a counter. NOTE 1 Conventional electric water heaters with the use of Joule effect in electric resistance heating elements normally do not cause any noise emissions. However, there are products with noise producing components on the markets. Example of such components are motors and pumps. NOTE 2 Noise of control elements are disregarded because of the sporadic character and its normally very low sound level. This standard does not apply to: - combustion water heaters; - water kettles; - heat pump water heaters; - conventional electric storage water heaters as defined in 1 of IEC 60335-2-21 and - instantaneous electric water heaters without any noise producing components such as motors and pumps.

Keel: en

Alusdokumendid: IEC 60704-2-18:202X; prEN IEC 60704-2-18:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 63174:2021

Electrically operated toothbrushes - Method for measuring performance

This document deals with the methods for measuring the performance of electrically powered toothbrushes. This document applies to electrically powered toothbrushes used for cleaning the teeth with electric energy to drive. Rechargeable toothbrushes and primary battery powered toothbrushes, both for adult and child, are within the scope of this standard. This standard is just to specify the measurement method but does not define any limit value. NOTE: The electrically powered toothbrushes are classified as follows: Classification with regard to supply modes: - primary battery powered toothbrush - rechargeable toothbrush -- wireless rechargeable toothbrush -- corded rechargeable toothbrush Classification with regard to moving modes: - rotary electrically powered toothbrush - reciprocated electrically powered toothbrush -- linear reciprocated electrically powered toothbrush -- rotational reciprocated electrically powered toothbrush - vibratory electrically powered toothbrush The different types are clarified for information, since there is no difference in the tests to be done, except for the types of primary battery powered toothbrush and rechargeable toothbrush.

Keel: en

Alusdokumendid: IEC 63174:202X; prEN IEC 63174:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 63203-201-1:2021

Wearable electronic devices and technologies - Part 201-1: Electronic Textile - Measurement methods for basic properties of conductive yarns

This part of IEC 63203-201 specifies terms and test methods for measurement of properties of conductive yarns. Conductive yarns covered in this standard have conductivity of a level that can be used for transmission of electric signals, supply of electric power and electromagnetic shield. They do not include high resistance conductive yarn used for anti-static and heating use. Conductive yarns are the basic material in electronic textiles and are mainly used as conductive traces in clothes-type wearable devices, as well as with secondary processing woven, knitted, embroidered, nonwoven, etc.) to provide conductive fabrics.

Keel: en

Alusdokumendid: IEC 63203-201-1:202X; prEN IEC 63203-201-1:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN IEC 63203-201-2:2021

Wearable electronic devices and technologies - Part 201-2: Electronic Textile - Measurement methods for basic properties of conductive fabric and insulation materials

This part of IEC 63203-201 specifies the terms of conductive fabrics and insulation materials used for electronic textiles and measurement methods for their properties. Conductive fabrics covered by this standard are basic materials in electronic textiles and are mainly used as conductive traces, electrodes and the like in clothes type wearable devices. It does not include high resistance conductive fabrics used for antistatic purpose and heater applications. Insulating materials handled with this standard are materials used for electrical insulation of conductive parts in electronic textiles. They include materials for covering the conductive parts and general fabrics constituting basic structure of clothes type wearable devices.

Keel: en

Alusdokumendid: IEC 63203-201-2:202X; prEN IEC 63203-201-2:2021

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 20126

Dentistry - Manual toothbrushes - General requirements and test methods (ISO/DIS 20126:2021)

This document specifies requirements and test methods for the physical properties of manual toothbrushes in order to promote the safety of these products for their intended use. This document does not specify any requirements and test methods for the physical properties of toothbrushes for which all the cleaning elements in the head are elastomer. This document does not apply to manual single tuft toothbrushes, single use, interdental, powered oral hygiene devices, and non-flat trim profile tufts (e.g. dual textured, bi-level, multi-level, rippled, or angled in opposing directions). These types of oral hygiene products should be evaluated for their safety in-use by appropriate test methods or clinical trials. In addition, this document does not apply to particular designs of filament ends (e.g. tapered, feathered, with split tips, or spherical cap) or filament types (e.g. non-synthetic filaments, very thin, spiral or twisted) for the filaments end-rounding requirements. These types of manual toothbrushes should be evaluated for their safety in-use by appropriate test methods or clinical trials appropriately.

Keel: en

Alusdokumendid: ISO/DIS 20126; prEN ISO 20126

Asendab dokumenti: EVS-EN ISO 20126:2012

Asendab dokumenti: EVS-EN ISO 20126:2012/A1:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

prEN ISO 4531

Vitreous and porcelain enamels - Release from enamelled articles in contact with food - Methods of test and limits (ISO/DIS 4531:2021)

This document specifies a simulating method of test for determination of the release of metal-ions from enamelled articles, which are intended to come into contact with food. It also specifies limits for the release of metal-ions from enamelled articles, which are intended to come into contact with food. It is applicable to enamelled articles, including tanks and vessels, which are intended to be used for the preparation, cooking, serving and storage of food.

Keel: en

Alusdokumendid: ISO/DIS 4531; prEN ISO 4531

Asendab dokumenti: EVS-EN ISO 4531:2018

Arvamusküsitluse lõppkuupäev: 30.05.2021

TÖLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

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

EVS-EN 131-6:2019

Redelid. Osa 6: Teleskoopredelid

Dokumendis on täpsustatud püstiste ja isetoetuvate teleskoopredelite üldised konstruktsioonilahendused, nõuded ja katsemeetodid ning terminid. Selles EN 131 osas ei käsitleta pikenduselementidega redelid. See standardi osa on mõeldud kasutamiseks koos osadega EN 131-1, EN 131-2, EN 131-3 ja, kui kohaldatav, EN 131-4.

Keel: et

Alusdokumendid: EN 131-6:2019

Kommenteerimise lõppkuupäev: 30.04.2021

HD 60364-5-54:2011/prA1:2020

Madalpingelised elektripaigaldised. Osa 5-54: Elektriseadmete valik ja paigaldamine. Maandamine ja kaitsejuhid

Standardi HD 60364-5-54:2011 muudatus

Keel: et

Alusdokumendid: IEC 60364-5-54:2011/A1:201X; HD 60364-5-54:2011/prA1:2020

Kommenteerimise lõppkuupäev: 30.04.2021

prEN 459-2

Ehituslubi Osa 2: Katsemeetodid

See dokument spetsifitseerib kõik standardiga EN 459-1 hõlmatud ehituslupjade katsemeetodid. Neid saab rakendada ka teiste lubimaterjalide puhul, mille standardites on nendele meetoditele viidatud. See dokument spetsifitseerib ehituslupjade tabelis 2 esitatud keemilise analüüsi ja füüsikaliste omaduste määramise meetodid. See dokument spetsifitseerib etalonmeetodid ja teatud juhtudel ka alternatiivmeetodid, mida võib lugeda ekvivalentseks. Lahkarvamuste korral tuleb kasutada ainult etalonmeetodeid. Kõiki teisi meetodeid võib kasutada eeldusel, et nende ekvivalentsus on tõestatud kas kalibreerimise teel etalonmeetodi suhtes või rahvusvaheliselt tunnustatud etalonmaterjali suhtes.

Keel: et

Alusdokumendid: prEN 459-2

Kommenteerimise lõppkuupäev: 30.04.2021

ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

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

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

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

prEVS JUHEND 4

Eesti standardi ja standardilaadse dokumendi ülesehitus, sõnastus ja vormistus Structure, formulation and presentation of an Estonian Standard and publication

Juhend kirjeldab Eesti standardite, standardilaadsete dokumentide ja nende kavandite ülesehituse, sõnastuse ning vormistamise nõudeid. Esitatud on ka nõuded dokumentide muudatuste ja paranduste kohta.

Asendab dokumenti: EVS JUHEND 4:2020

Koostamisettepaneku esitaja: Standardiosakond

prEVS JUHEND 6

Standardimise tehnilise komitee ja projektkomitee asutamine ning töökord Establishment and working procedures of standardisation technical committee and project committee

Juhend kehtestab nõuded Eesti Standardimis- ja Akrediteerimiskeskuse juures registreeritud standardimise tehnilise komitee ja projektkomitee asutamisele, tegutsemisele ning tegevuse lõpetamisele.

Asendab dokumenti: EVS JUHEND 6:2019

Koostamisettepaneku esitaja: Standardiosakond

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

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

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

ÜLEVAATUSKÜSITLUS

EVS 876:2016

Kontonumbrid

Bank account numbers

See Eesti standard rakendub kõigile makseteenuse pakujatele ja nende filiaalidele, kelle juriidiline tegevuskoht on Eesti Vabariik. Selles Eesti standardis kirjeldatakse Eesti kontonumbri struktuuri, kasutatavaid makseteenuse pakujate tunnuskoode, kontrolljärkude arvutamise algoritmi, esituskuju ja kasutusreegleid.

Ülevaatusküsitluse lõppkuupäev: 30.04.2021

PIKENDAMISKÜSITLUS

EVS 735:2016

Raadioringhäälingusüsteem. Analoogsüsteemi põhinäitajad

Radiobroadcasting system - Basic characteristics of analog system

See Eesti standard käsitleb analoograadioringhäälingusüsteemides LF-, MF-, HF- ja VHF-sagedusalas maapealses raadiosaatevõrgus või kaabellevivõrgus raadioringhäälinguprogrammide levitamiseks kasutatavate signaalide põhilisi tehnilisi näitajaid. Raadiosides kasutatavate sageduste ja lainepikkuste tähistused ning nimetused on toodud tabelis A.1.

Pikendamisküsitluse lõppkuupäev: 30.04.2021

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 620-6:2014

Tuleohutus. Tekstiilsed sisustusmaterjalid Fire safety - Textile furnishing materials

See standard sätestab tekstiilsete sisustusmaterjalide kasutustingimused eri otstarbega ruumides sõltuvalt materjalide põlemisomadustest.

Kehtima jätmise alus: EVS/TK 08 otsus 14.02.2021 2-5/15 ja teade pikendamisküsitlusest 15.02.2021 EVS Teatajas.

EVS 847-2:2016

Veevärk. Osa 2: Veetöötlus Waterworks - Part 2: Water purification

See Eesti standard rakendub ühis- või eraveevärgi veetöötusjaamade projekteerimisel ja ehitusel. Standardis ei käsitleta eri- ja tootmisotstarbelise vee töötlemist. Veekäitluses sisaldub veehaare, veetöötlus, säilitamine ja edastamine (jaotamine) tarbijale (vt joonis 1). Veehaarde-veeallika valikul juhendada asjakohastest õigusaktidest ja standardist EVS 847-1, vee jaotamisel tarbijale juhendada asjakohastest õigusaktidest ja standardist EVS 921. Standardi lisad A ja B sisaldavad soovituslikku abimaterjali.

Kehtima jätmise alus: EVS/TK48 otsus 05.02.2021 2-5/5 ja teade pikendamisküsitlusest 15.02.2021 EVS Teatajas.

TÜHISTAMISKÜSITLUS

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

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

EVS-EN 14522:2005

Gaaside ja aurude isesüttimistemperatuuri määramine

Determination of the auto ignition temperature of gases and vapours

This European Standard test method is designed to determine the auto ignition temperature of a flammable gas or vapour in mixture with air, or air/inert gas, at ambient pressure up to 650 °C. It is not suitable to describe the interactions of hot surfaces with explosives.

Keel: en

Alusdokumendid: EN 14522:2005

Tühistamisküsitluse lõppkuupäev: 30.04.2021

EVS-EN 50107-3:2018

Product standard covering luminous signs with discharge lamps and/or LED (light emitting diodes) and/or EL (electroluminescent) lightsources with a nominal voltage not exceeding 1000 V, with the exclusion of general lighting, traffic- or emergency related purpose

A luminous sign, light-artwork or architectural accent lighting (finished functional sign, abbreviated: sign) shall comply with this product standard. The finished functional sign as a product fulfilling its intended purpose as luminous sign can be achieved by combining products with similar purpose through installation (according to HD 384/HD 60364 series) in order to yield a new product by itself. NOTE 1: The scope of this product standard is specified by the areas C,D and E in the figure of Annex A. NOTE 2: Even if the physical execution of a particular luminous sign might qualify the luminous sign to meet the requirements of a luminaire according to EN 60598, the exclusion of general lighting, traffic and emergency related purpose is intended to avoid the requirements of EN 60598 which are impracticable and/or impossible to fulfil for most luminous signs. To cover the special safety problems related with luminous signs, the present product standard is intended.

Keel: en

Alusdokumendid: EN 50107-3:2018

Tühistamisküsitluse lõppkuupäev: 30.04.2021

EVS-EN 60604:2011

'Topflash/Flipflash' photographic flash lamp array

Establishes limits for dimensions and other physical characteristics necessary to ensure interchangeability of 'Topflash/Flipflash' array.

Keel: en

Alusdokumendid: IEC 60604:1980; EN 60604:1993

Tühistamisküsitluse lõppkuupäev: 30.04.2021

AVALDATUD EESTIKEELSE STANDARDIPARANDUSED

Selles rubriigis avaldame teavet Eesti standardite paranduste koostamise kohta. Standardiparandus koostatakse toimetusslikku laadi vigade (trükivead jms) kõrvaldamiseks standardist. Eesti standardi paranduse tähis koosneb standardi tähisest ja selle lõppu lisatud tähtedest AC.

Näiteks standardile EVS XXX:YYYY tehtud parandus kannab eraldi avaldatuna tähist EVS XXX:YYYY/AC:ZZZZ. Parandatud standardi tähis ei muutu.

[EVS-EN 1992-1-1:2005+A1:2015/NA:2015/AC:2021](#)

Eurokoodeks 2: Betoonkonstruktsioonide projekteerimine. Osa 1-1: Üldreeglid ja reeglid hoonetele. Eesti standardi rahvuslik lisa

Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings - Estonian National Annex

UUED EESTIKEELSESD 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](#).

CENTS 16415:2013

Kukkumisvastased isikukaitsevahendid. Ankurdusvahendid. Mitme samaaegse kasutajaga ankurdusvahenditega seotud soovitus

Personal fall protection equipment - Anchor devices - Recommendations for anchor devices for use by more than one person simultaneously

Selles tehnilises spetsifikatsioonis täpsustatakse soovitus, mis on seotud mitme samaaegse kasutajaga ankurdusvahendite nõuete, katsevahendite, katsemeetodite, märgistuse ja tootja kasutusjuhendiga. Tehnilist spetsifikatsiooni ei kohaldata järgmistele vahenditele: ühe kasutajaga ankurdusvahendid, mida käsitletakse standardis EN 795:2012; spordi- või huvitegevuses kasutatavad ankurdusvahendid; vahendid, mis on kavandatud vastama standardile EN 516 või EN 517; struktuuride elemendid või osad, mis paigaldati kasutamiseks muul otstarbel kui kinnituspunktide või ankurdusvahenditena, nt talad, kandetalad; ehituslikud ankurdusvahendid. MÄRKUS Ühe kasutajaga ankurdusvahenditele rakendatavaid nõudeid, katsemeetodeid ja tootja kasutusjuhendiga seotud nõudeid on käsitletud standardis EN 795:2012.

EVS-EN 17124:2018

Vesinikkütus. Toote spetsifikatsioon ja kvaliteedi tagamine. Polümeerelektrolüütmembraaniga (PEM) kütuseelemendi rakendused maanteesõidukitele

Hydrogen fuel - Product specification and quality assurance - Proton exchange membrane (PEM) fuel cell applications for road vehicles

Selles dokumendis määratakse kindlaks vesinikkütuse kvaliteedimomadused ja selle kvaliteedi tagamine, et kindlustada maanteesõidukite koostu kuuluvale polümeerelektrolüütmembraaniga (Proton Exchange Membrane, PEM) kütuseelemendile väljastatava vesiniktoote ühtlus.

EVS-EN 206:2014+A2:2021

Betoon. Spetsifitseerimine, toimivus, tootmine ja vastavus

Concrete - Specification, performance, production and conformity

(1) See standard rakendub monoliitsete ja monteeritavate konstruktsioonide ning hoonete ja rajatiste betoonelementide valmistamisel kasutatavale betoonile. (2) Selles Euroopa standardis käsitletav betoon võib olla: normaal-, raske- ja kergbetoon; platsibetoon, kaubabetoon või betoontoodete tehases valmistatav betoon; tihendatud või isetihenev, mis ei sisalda peale manustatud õhu olulisel määral kaasatud õhku. (3) Standard spetsifitseerib nõuded: betooni komponentidele; betoonisegu ja kivistunud betooni omadustele ning nende vastavuse tõestamisele; betooni koostisele esitatavatele piirangutele; betooni omaduste spetsifitseerimisele; betoonisegu tarnimisele; tootmisohje meetoditele; vastavuskriteeriumidele ja vastavuse hindamisele. (4) Selle standardi käsituslasse kuuluvatele teatud toodetele (nt betoonelementidele) või menetlustele kehtestatud teised Euroopa standardid võivad nõuda või lubada kõrvalekaldeid. (5) Eriliste rakenduste korral võivad teised Euroopa standardid esitada täiendavaid või erinevaid nõudeid, nagu: teede ja muude liikluspindade ehitamisel kasutatavale betoonile (nt standardi EN 13877-1 kohased betoonsillutised); eritehnoloogiatele (nt standardi EN 14487 kohane pritsbetoon). (6) Eriliste betoonitüüpide ja rakenduste puhul võidakse spetsifitseerida täiendavaid nõudeid või erinevaid katsemeetodeid, näiteks: massiivkonstruktsioonide betoon (nt tammid); kuivbetoonisegud; betoon, mille D_{max} on 4 mm või väiksem (mört); isetihenevad betoonid (ITB), mis sisaldavad kerg- või rasket täitematerjali või kiudu; korebetoon (nt drenne vett läbilaskev betoon). (7) See standard ei rakendu poorbetoonile; vahtbetoonile; betoonile, mille tihedus on alla 800 kg/m³; tulekindlale betoonile. (8) See standard ei käsitle tervise- ja ohutusnõudeid töötajate kaitsmiseks betooni tootmisel ja tarnimisel.

EVS-EN 50549-1:2019

Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 1: Ühendus madalpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud)

Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B

See dokument täpsustab tehnilisi nõudeid madalpingejaotusvõrkudega paralleelselt talitlemiseks mõeldud tootmisüksuste kaitsefunktsioonidele ja talitluslikule suutlikkusele. Praktilistel põhjustel osutab see dokument vastutavale poolele seal, kus nõuded tuleb määratleda teisel osalisel, kes ei ole jaotusvõrguettevõtja, nt õigusliku raamistiku kohaselt põhivõrguettevõtja, liikmesriik, regulaatorid. Tavaliselt informeerib nendest nõuetest tootjat jaotusvõrguettevõtja. MÄRKUS 1 See hõlmab Euroopa võrgueeskirju ja nende riiklikku rakendamist, samuti lisanduvaid riiklikke määrusi. MÄRKUS 2 Lisaks võivad rakendada riiklikud nõuded eriti jaotusvõrguga liitumisele ja tootmisüksuse talitlemisele. Selle Euroopa standardi nõuded kehtivad sõltumata energiaallika liigist ja olenemata koormuste olemasolust tootja võrgus tootmisüksustele, tootmismoodulitele, elektrimasinatele ja elektroonikaseadmetele, mis vastavad kõikidele järgmistele tingimustele: — muundavad mis tahes energiaallika vahelduvvoolu elektriiks; — Euroopa Komisjoni määruse (EL) 2016/631 kohaselt B-tüüpi või väiksema võimsusega tootmismoodulid, samal ajal arvestades ka riiklikul tasemel otsust võimsuse piiridele A- ja B-tüübi ning B- ja C-tüübi vahel; — ühendatud ja talitleb paralleelselt vahelduvvoolu madalpingejaotusvõrguga. MÄRKUS 3 Keskpingejaotusvõrguga ühendatud tootmisüksused kuuluvad standardi EN 50549-2 käsituslasse. MÄRKUS 4 Käsitletakse ka elektrilisi energiasalvestussüsteeme (EESS), mis vastavad ülaltoodud tingimustele. Kui ühte tootmisüksusesse on ühendatud eri tüüpi (A või B) tootmismooduleid, siis lähtuvalt eri moodulite tüübist rakenduvad nendele erinevad nõuded. NÄIDE Kui tootmisüksus koosneb mitmest tootmismoodulist (vt

termin 3.2.1) Euroopa Komisjoni määruse (EL) 2016/631 kohaselt, võib esineda olukord, kus mõned tootismoodulid on A-tüüpi ja mõned on B-tüüpi. Kui jaotusvõrguettevõtja ja vastutav pool ei ole määranud teisiti, võivad keskpingejaotusvõrguga ühendatud tootmisüksused, mille maksimaalne näivvõimsus on kuni 150 kVA, olla vastavuses selle Euroopa standardiga alternatiivselt standardis EN 50549-2 esitatud nõuetele. Jaotusvõrguettevõtja ja vastutav pool võivad määratleda teise lävepiiri. See dokument tunnistab liikmesriigis jaotusvõrguettevõtja või teise vastutava poole konkreetsete tehniliste nõuete (nt võrgueeskirjad) olemasolu ja neid tuleb järgida. Käsitluselast on välja jäetud • liitumispunkti valik ja hindamine; • elektrisüsteemi mõjude hindamine, nt elektri kvaliteedi mõjude hindamine, kohalik pingetõus, mõju liinikaitse rakendamisele; • liitumise hindamine; liitumise planeerimise osana tehtavad tehnilised vastavuse analüüsid; • tootmisüksuste saartalitus, nii tahtlik kui ka tahtmatu, kus ei ole hõlmatud ükski jaotusvõrgu osa; • ajamite nelja-kvadrantilised alaldid, mis suunavad pidurdusenergiat tagasi jaotusvõrku piiratud aja jooksul ja mis ei oma sisemist primaarenergiaallikat; • katkematud toiteallikad, mille paralleeltalitus on piiratud 100 ms; MÄRKUS 5 Katkematute toiteallikate hooldusest tingitud paralleeltalitlust ei käsitleta katkematu toiteallika normaaltalitusena ja seetõttu ei käsitleta seda selles dokumendis. • personali ohutuse nõuded, kuna need on juba olemasolevate Euroopa standarditega küllaldaselt kaetud; • tootmiseseadme, -mooduli või -üksuse ühendamine alalisvooluvõrguga.

EVS-EN 60601-1-3:2008/A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisinäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/A2:2021)

Standardi EN 60601-1-3:2008 muudatus.

EVS-EN 60601-1-3:2008+A1+A11+A2:2021

Elektrilised meditsiiniseadmed. Osa 1-3: Üldised nõuded esmasele ohutusele ja olulistele toimimisinäitajatele. Kollateraalsandard: Kiirguskaitse nõuded diagnostilistele röntgenseadmetele

Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008 + IEC 60601-1-3:2008/A1:2013 + IEC 60601-1-3:2008/A2:2021)

See rahvusvaheline standard kehtib ELEKTRILISTE MEDITSIINISEADMETE ja ELEKTRILISTE MEDITSIINISÜSTEEMIDE (edaspidi EM-SEADMETE ja EM-SÜSTEEMIDE) ESMASE OHUTUSE ja OLULISTE TOIMIMISNÄITAJATE kohta. See kollateraalsandard on kohaldatav sellistele RÖNTGENSEADMETELE ja nende koostisosadele, mille puhul inimPATSIENDI RADIOLOOGILIST KUJUTIST kasutatakse diagnoosimiseks, meditsiiniprotseduuride kavandamiseks või juhtimiseks.

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 EESTIKEELSESED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CEN/TS 16415:2013	Personal fall protection equipment - Anchor devices - Recommendations for anchor devices for use by more than one person simultaneously	Kukkumisvastased isikukaitsevahendid. Ankurdusvahendid. Mitme samaaegse kasutajaga ankurdusvahenditega seotud soovitused
EVS-EN 17124:2018	Hydrogen fuel - Product specification and quality assurance - Proton exchange membrane (PEM) fuel cell applications for road vehicles	Vesinikkütus. Toote spetsifikatsioon ja kvaliteedi tagamine. Polümeerelektrolüütmembraaniga (PEM) kütuseelemendi rakendused maanteeõidukitele
EVS-EN 50549-1:2019	Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B	Nõuded jaotusvõrkudega paralleelselt ühendatud tootmisüksustele. Osa 1: Ühendus madalpingejaotusvõrguga. Tootmisüksused kuni tüübini B (kaasa arvatud)

UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardimis- ja Akrediteerimiskeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtivate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EL-i õigusaktide kontekstis Euroopa Komisjoni standardimisettepaneku alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardid.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate õigusaktide mõistes, et standardi kohaselt valmistatud toode täidab õigusakti olulisi nõudeid ning on üldjuhul kõige lihtsam viis tõendada õigusaktide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga õigusakti tekstist eraldi ning võib õigusaktist olenevalt erineda.

Lisainfo:

<https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards>

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtivate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2014/30/EL Elektromagnetiline ühilduvus Komisjoni rakendusotsus (EL) 2021/455, millega muudetakse rakendusotsust (EL) 2019/1326 (EL Teataja 2021/L 89/17)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Vilide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse
EVS-EN 55035:2017 Multimeediaseadmete elektromagnetiline ühilduvus. Immuunsusnõuded	16.03.2021	EN 55024:2010; EN 55103-2:2009	16.09.2022 28.07.2022
EVS-EN 55035:2017/A11:2020 Multimeediaseadmete elektromagnetiline ühilduvus. Immuunsusnõuded	16.03.2021		
EVS-EN 55035:2017+A11:2020 Multimeediaseadmete elektromagnetiline ühilduvus. Immuunsusnõuded	16.03.2021		
EVS-EN IEC 60947-5-2:2020 Madalpingelised lülitusaparaadid. Osa 5-2: Juhtimisahelaaparaadid ja lülituselemendid. Läheduslülitid	16.03.2021	EN 60947-5-2:2007; EN 60947-5-2:2007/A1:2012	16.09.2022