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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO/ASTM 52900:2021

Additive manufacturing - General principles - Fundamentals and vocabulary (ISO/ASTM 52900:2021)

This document establishes and defines terms used in additive manufacturing (AM) technology, which applies the additive shaping principle and thereby builds physical three-dimensional (3D) geometries by successive addition of material. The terms have been classified into specific fields of application.

Keel: en
Alusdokumendid: ISO/ASTM 52900:2021; EN ISO/ASTM 52900:2021
Asendab dokumenti: EVS-EN ISO/ASTM 52900:2017

EVS-ISO 4225:2021

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

See dokument määratleb õhukvaliteedi (vt termin 3.1.1.1) terminid ja määratlused. Need on kas üldterminid või puudutavad gaaside, aurude (vt termin 3.1.5.8) ja lendosakeste (vt termin 3.2.2.1) proovivõttu (vt termin 3.3.3.1) ja mõõtmisi õhukvaliteedi määramiseks. Määratletud on terminid, mille määratlemist peetakse oluliseks mitmeti mõistetavuse vältimiseks ja järjepideva terminikasutuse tagamiseks. Lisas A on esitatud ka terminite tähestikregister. See dokument kohaldub kõigile õhukvaliteeti puudutavatele rahvusvahelistele standarditele, ISO tehnilistele aruannetele, ISO tehnilistele kirjeldustele ja ISO juhenditele.

Keel: en, et
Alusdokumendid: ISO 4225:2020

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

CEN ISO/TS 21719-3:2021

Electronic fee collection - Personalization of on-board equipment (OBE) - Part 3: Using integrated circuit(s) cards (ISO/TS 21719-3:2021)

This document specifies: personalization interface; physical systems: on-board equipment (OBE), personalization equipment (PE) and integrated circuit(s) cards (ICCs); electronic fee collection (EFC) personalization functions between the PE and the OBE in accordance with ISO/TS 21719-1 when using an ICC; data and security elements that are transferred between the PE and the OBE using the ICC. It is outside the scope of this document to define: - conformance procedures and test specifications; - setting-up of operating organizations (e.g. toll service provider, personalization agent, trusted third party, etc.); - legal issues; - the exact commands and security functionality within ISO/IEC 7816-4 used by the PE and the OBE, respectively, to interface an ICC. NOTE Some of the issues that are outside the scope of this document are the subject of separate standards prepared by CEN/TC 278 and ISO/TC 204.

Keel: en
Alusdokumendid: ISO/TS 21719-3:2021; CEN ISO/TS 21719-3:2021

EVS-EN 15528:2021

Raudteealased rakendused. Raudteeveeremi teljekoormust ja infrastruktuuri ühilduvust reguleerivad raudteelõikude kategooriad
Railway applications - Line categories for managing the interface between load limits of vehicles and infrastructure

This document is applicable to the lines with standard track gauge (1435 mm) and wider track gauges of the heavy rail system and the vehicles that are operated on these lines. This includes machines used for construction, maintenance, inspection, repair and renewal when they are operated in running mode, but not, when they are in working or travelling mode. This document specifies methods of classification of existing and new lines of the heavy rail system and the categorization of rail vehicles. This document gives guidance to a reliable and established management of the interface between rail vehicles and the heavy rail network and does not impose any requirements on either vehicles or infrastructure. The application of this document enables to ensure the static route compatibility between a rail vehicle and the heavy rail network with respect to the vertical load carrying capacity. It contains requirements relevant to: — classification of the vertical load carrying capacity of lines of the heavy rail network; — allocation of rail vehicles to line categories (categorization); — determination of payload limits of freight wagons. This document does not apply to: — assessments of compatibility based on the parameter axle load alone; — compatibility checks for cases where an additional dynamic analysis is required (for example according to EN 1991-2); — requirements relating to the maximum total mass or maximum length of a train; — the system used in Great Britain, where all lines and vehicles are classified in accordance with the RA (Route Availability) System. A guide to the equivalent line categories in accordance with this European Standard is given in Annex F; — the publication of line categories. The requirements of this document do not replace any regulations related to running behaviour of vehicles described by the assessment quantities for running safety, track loading and ride characteristics (see EN 14363).

Keel: en

Alusdokumendid: EN 15528:2021
Asendab dokumenti: EVS-EN 15528:2015

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 20836:2021

Microbiology of the food chain - Polymerase chain reaction (PCR) for the detection of microorganisms - Thermal performance testing of thermal cyclers (ISO 20836:2021)

This document specifies requirements for the installation, maintenance, temperature calibration and temperature performance testing of standard thermal cyclers and real-time thermal cyclers. It is applicable to the detection of microorganisms as well as any other applications in the food chain using polymerase chain reaction (PCR)-based methods. This document has been established for food testing, but is also applicable to other domains using thermal cyclers (e.g. environmental, human health, animal health, forensic testing).

Keel: en
Alusdokumendid: ISO 20836:2021; EN ISO 20836:2021
Asendab dokumenti: CEN ISO/TS 20836:2005

11 TERVISEHOOLDUS

CEN/TS 17500:2021

Quality of care and support for older persons

The services specified in this document are health and social care services for older persons provided by healthcare and social care personnel. This document - specifies requirements and recommendations for services provided to the older person at home and in care homes, based on the older person's individual needs and preferences to assist self-determination, participation, and a safe and secure old age. - specifies requirements and recommendations for systematic approaches regarding the service provider’s ability to produce a good quality of care and support for the older person. - covers services irrespective of the legal form of ownership and whether the service is publicly or privately funded. - is applicable to care providers, regardless of structure, organization, ownership, size or type of the care services provided. - can be used by the service provider at all management levels in the organization to plan, lead, implement, maintain, evaluate and improve the quality of the service. - can be used by the provider for internal audits or self-assessment and/or external parties for certification/accreditation to assess the provider’s ability to meet the older person´s needs and expectations. - can be used to provide basic information for procurement and education. - does not cover standardization of medical devices and clinical guidelines.

Keel: en
Alusdokumendid: CEN/TS 17500:2021

EVS-EN ISO 14971:2019/A11:2021

Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele
Medical devices - Application of risk management to medical devices (ISO 14971:2019)

Standardi EN ISO 14971:2019 muudatus

Keel: en, et
Alusdokumendid: EN ISO 14971:2019/A11:2021
Muudab dokumenti: EVS-EN ISO 14971:2019

EVS-EN ISO 14971:2019+A11:2021

Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele
Medical devices - Application of risk management to medical devices (ISO 14971:2019)

See dokument määratleb meditsiiniseadmete, sealhulgas tarkvara kui meditsiiniseadme ja in vitro diagnostikameditsiiniseadmete riskihaldusega seotud terminoloogia, põhimõtted ja protsessi. Dokumendis kirjeldatud protsess on mõeldud meditsiiniseadmete tootjaid abistama meditsiiniseadmega seotud ohtude tuvastamisel, seotud riskidele riskitaseme määramisel ja riski hindamisel, nende riskide ohjamisel ning ohjamise tõhususe jälgimisel. Selle dokumendi nõuded on rakendatavad kõikidele meditsiiniseadme elutsükli etappidele. Dokumendis kirjeldatud protsess on kohaldatav meditsiiniseadmega seotud riskidele, nagu biosobivusega, andmete ja süsteemide turvalisusega, elektrisüsteemidega, liikuvate osadega, kiirgusega ja kasutatavusega seotud riskid. Dokumendis kirjeldatud protsessi saab rakendada ka toodetele, mis ei ole mõnedes jurisdiktsioonides tingimata meditsiiniseadmed, ning mida saavad kasutada ka teised, kes on meditsiiniseadme elutsükliga seotud. See dokument ei kehti — meditsiiniseadme kasutamise üle otsustamisel teatud kliinilise protseduuri kontekstis ega — ärilisel riskihaldusel. See dokument nõuab tootjatelt riski vastuvõetavusele objektiivsete kriteeriumide väljatöötamist, kuid ei määratle vastuvõetavaid riskitasemeid. Riskihaldus võib olla osa kvaliteedijuhtimissüsteemist. Samas ei nõua see dokument tootjalt kvaliteedijuhtimissüsteemi olemasolu. MÄRKUS Selle dokumendi rakendamise juhised on leitavad tehnilisest aruandest ISO/TR 24971[9].

Keel: en, et
Alusdokumendid: ISO 14971:2019; EN ISO 14971:2019; EN ISO 14971:2019/A11:2021
Konsolideerib dokumenti: EVS-EN ISO 14971:2019
Konsolideerib dokumenti: EVS-EN ISO 14971:2019/A11:2021

EVS-EN ISO 5832-3:2021

Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2021)

This document specifies the characteristics of, and corresponding test methods for, the wrought titanium alloy known as titanium 6-aluminium 4-vanadium alloy (Ti-6Al-4V alloy) for use in the manufacture of surgical implants. NOTE The mechanical properties of a sample obtained from a finished product made of this alloy might not necessarily comply with the specifications given in this document.

Keel: en
Alusdokumendid: ISO 5832-3:2021; EN ISO 5832-3:2021
Asendab dokumenti: EVS-EN ISO 5832-3:2016

EVS-EN ISO 9680:2021

Dentistry - Operating lights (ISO 9680:2021)

This document specifies requirements and test methods for operating lights used in the dental office and intended for illuminating the oral cavity of patients. It also contains specifications on the instructions for use, marking and packaging. This document applies to operating lights, irrespective of the technology of the light source. This document excludes auxiliary light sources, for example, from dental handpieces and dental headlamps and also operating lights which are specifically designed for use in oral surgery.

Keel: en
Alusdokumendid: ISO 9680:2021; EN ISO 9680:2021
Asendab dokumenti: EVS-EN ISO 9680:2014

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 17693-1:2021

Earthworks - Soil treatment tests - Part 1: pH-test for determination of the lime requirement of soils for stabilization (Lime Fixation Point LFP, Lime Modification Optimum LMO)

This document describes the reference method for the determination of the lime fixation point (LFP) in soil treatment for earthworks. The test consists in measuring the lowest quantity of lime to be added in a soil suspension in water that will result in a pH value of the soil-lime mix suspension of 12,4, measured at 25 °C ± 1 °C. This test method cannot be used to provide information about soil reactivity with lime, or other performance values (mechanical characteristics of soil-lime mixes) applicable for improvement or stabilization purposes. Those performance tests will be conducted in a laboratory from a specific study, the lime dosage to be applied being indicated from this method.

Keel: en
Alusdokumendid: CEN/TS 17693-1:2021

CEN/TS 17693-2:2021

Earthworks - Soil treatment tests - Part 2: Test of evaluation of the aptitude of a dry material to emit dust

This document describes the reference method for the determination of the Index of dust emission (IDE) in soil treatment for earthworks. This test concerns more particularly: - limes in conformity with EN 459-1, Building lime - Part 1: Definitions, specifications and conformity criteria; - cements in conformity with EN 197-1, Cement - Part 1: Composition, specifications and conformity criteria for common cements; - road binders in conformity with EN 13282-1, Hydraulic road binders - Part 1: Rapid hardening hydraulic road binders - Composition, specifications and conformity criteria; - road binders in conformity with EN 13282-2, Hydraulic road binders - Part 2: Normal hardening hydraulic road binders - Composition, specifications and conformity criteria; - fly ashes in conformity with EN 14227-4, Hydraulically bound mixtures - Specifications - Part 4: Fly ash for hydraulically bound mixtures; - siliceous fly ashes in conformity with EN 450-1, Fly ash for concrete - Part 1: Definition, specifications and conformity criteria; - ground-granulated blastfurnace slag in conformity with EN 15167-1, Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 1: Definitions, specifications and conformity criteria.

Keel: en
Alusdokumendid: CEN/TS 17693-2:2021

EVS-EN IEC 60695-2-10:2021

Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure

This part of IEC 60695 specifies the glow-wire apparatus and common test procedure to simulate the effects of thermal stresses which may be produced by heat sources such as glowing elements or overloaded resistors, for short periods, in order to assess the fire hazard by a simulation technique. The test procedure described in this document is a common test procedure intended for the small-scale tests in which a standardized electrically heated wire is used as a source of ignition. It is a common part of the test procedures applied to end products and to solid electrical insulating materials or other solid combustible materials. A detailed description of each particular test procedure is given in IEC 60695-2-11, IEC 60695-2-12 and IEC 60695-2-13. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en

Alusdokumendid: IEC 60695-2-10:2021; EN IEC 60695-2-10:2021
Asendab dokumenti: EVS-EN 60695-2-10:2013

EVS-EN IEC 60695-2-11:2021

Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)

This part of IEC 60695 specifies a test method on an end product. It is intended to simulate the effects of thermal stresses produced by an electrically heated source to represent a fire hazard. This test method is used to check that, under defined test conditions, an end product exposed to an electrically heated source has either a limited ability to ignite or, if it ignites, a limited ability to propagate flame. However, the fire hazard analysis, the flammability aspects and the flame spreading to other products are not covered by the present standard. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en
Alusdokumendid: EN IEC 60695-2-11:2021; IEC 60695-2-11:2021
Asendab dokumenti: EVS-EN 60695-2-11:2014

EVS-EN IEC 60695-7-2:2021

Fire hazard testing - Part 7-2: Toxicity of fire effluent - Summary and relevance of test methods

This part of IEC 60695-7 gives a brief summary of the test methods that are in common use in the assessment of the toxicity of fire effluent. It includes special observations on their relevance to real fire scenarios and gives recommendations on their use. It advises which tests provide toxic potency data that are relevant to real fire scenarios, and which are suitable for use in fire hazard assessment and fire safety engineering. The list of test methods is not to be considered exhaustive. This summary cannot be used in place of published standards which are the only valid reference documents. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en
Alusdokumendid: IEC 60695-7-2:2021; EN IEC 60695-7-2:2021
Asendab dokumenti: EVS-EN 60695-7-2:2011

EVS-EN IEC 62484:2021

Radiation protection instrumentation - Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material

This document defines the performance requirements of installed monitors used for the detection and identification of gamma emitters and the detection of neutron radiation emitters. These monitors are commonly known as spectrometric radiation portal monitors or SRPMs. They are used to monitor vehicles, cargo containers, people, or packages and are typically used at national and international border crossings and ports of entry. SRPMs may be used at any location where there is a need for this type of monitoring.

Keel: en
Alusdokumendid: IEC 62484:2020; EN IEC 62484:2021
Asendab dokumenti: EVS-EN 62484:2015

EVS-EN IEC 63121:2021

Radiation protection instrumentation - Vehicle-mounted mobile systems for the detection of illicit trafficking of radioactive materials

This document applies to vehicle-mounted mobile systems (also known as mobile systems or mobile monitors) that are used for the detection of illicit trafficking of radioactive materials; these instruments may also be used for protection of major public events and for rapid screening of large areas. These vehicle-mounted mobile systems consist of one or more radiation detectors mounted in a vehicle, e.g., car or van, which travels predominantly on public roads.

Keel: en
Alusdokumendid: IEC 63121:2020; EN IEC 63121:2021

EVS-EN ISO 14021:2016/A1:2021

Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) - Amendment 1: Carbon footprint, carbon neutral (ISO 14021:2016/Amd 1:2021)

Amendment to EN ISO 14021:2016

Keel: en
Alusdokumendid: ISO 14021:2016/Amd 1:2021; EN ISO 14021:2016/A1:2021
Muudab dokumenti: EVS-EN ISO 14021:2016

EVS-EN ISO 14021:2016+A1:2021

Keskkonnamärgised ja -teatised. Isedeklareeritavad keskkonnaväited (II tüüpi keskkonnamärgistamine)
Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) (ISO 14021:2016 + ISO 14021:2016/Amd 1:2021)

This International Standard specifies requirements for self-declared environmental claims, including statements, symbols and graphics, regarding products. It further describes selected terms commonly used in environmental claims and gives qualifications for their use. This International Standard also describes a general evaluation and verification methodology for self-declared environmental claims and specific evaluation and verification methods for the selected claims in this International Standard. This International Standard does not preclude, override, or in any way change, legally required environmental information, claims or labelling, or any other applicable legal requirements.

Keel: en
Alusdokumendid: ISO 14021:2016; EN ISO 14021:2016; ISO 14021:2016/Amd 1:2021; EN ISO 14021:2016/A1:2021
Konsolideerib dokumenti: EVS-EN ISO 14021:2016
Konsolideerib dokumenti: EVS-EN ISO 14021:2016/A1:2021

EVS-EN ISO 9241-20:2021

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021)

This document provides: a) an introduction to the importance of accessibility to human-system interaction; b) a discussion of the relationship of principles within the ISO 9241 series and accessibility; c) descriptions of activities related to the processes in ISO 9241-210 that focus on accessibility; d) references to standards relevant to the accessibility of interactive systems.

Keel: en
Alusdokumendid: ISO 9241-20:2021; EN ISO 9241-20:2021
Asendab dokumenti: EVS-EN ISO 9241-20:2009

EVS-ISO 4225:2021

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

See dokument määratleb õhukvaliteedi (vt termin 3.1.1.1) terminid ja määratlused. Need on kas üldterminid või puudutavad gaaside, aurude (vt termin 3.1.5.8) ja lendosakeste (vt termin 3.2.2.1) proovivõttu (vt termin 3.3.3.1) ja mõõtmisi õhukvaliteedi määramiseks. Määratletud on terminid, mille määratlemist peetakse oluliseks mitmeti mõistetavuse vältimiseks ja järjepideva terminikasutuse tagamiseks. Lisas A on esitatud ka terminite tähestikregister. See dokument kohaldub kõigile õhukvaliteeti puudutavatele rahvusvahelistele standarditele, ISO tehnilistele aruannetele, ISO tehnilistele kirjeldustele ja ISO juhenditele.

Keel: en, et
Alusdokumendid: ISO 4225:2020

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 60404-17:2021

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor

This part of IEC 60404 is applicable to grain-oriented electrical steel strip and sheet specified in IEC 60404-8-7 for the measurement of magnetostriction characteristics under an applied AC magnetic field at 50 Hz or 60Hz. This document defines the general principles and technical details of the measurement of magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor. NOTE 1 The accelerometer method [5] is also an established method for the measurement of magnetostriction. However, it is more suited to the measurement of magnetostriction under an externally applied tensile or compressive stress, not zero stress, because it places a weight on the test specimen to prevent a deformation of the test specimen. Since this document includes the measurement at zero stress, the optical sensor method is provided as the optimum method. This document is applicable to the measurement of: - the butterfly loop; - the peak-to-peak value λp-p; - the zero-to-peak value λ0-p. The magnetostriction characteristics are determined for a sinusoidal induced secondary voltage, for a specified peak value of the magnetic polarization and at a specified magnetizing frequency. NOTE 2 Throughout this document the term “magnetic polarization” is used as described in IEC 60050-121-11-54. In some standards of the 60404 series, the term “magnetic flux density” is used.

Keel: en
Alusdokumendid: IEC 60404-17:2021; EN IEC 60404-17:2021

EVS-EN IEC 61557-1:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements (IEC 61557-1:2019)

Standardisarja IEC 61557 see osa määratleb põhinõuded mõõte- ja seireseadmetele elektriohutuse kontrollimisel madalpingevõrkudes ja -paigaldistes nimi-vahelduvpingega kuni 1000 V ja nimi-alalispingega kuni 1500 V. Kui mõõteseade või mõõtepaigaldis on ette nähtud mitme selles standardisarjas käsitletava mõõtmise sooritamiseks, tuleb iga sellise mõõtmistoimingu puhul rakendada standardisarja vastavat osa. MÄRKUS Mõõteseadmete all mõistetakse edaspidi kõiki katsetus-, mõõte- ja seireseadmeid. Standardisarja IEC 61557 teised osad käsitlevad lisanõudeid või kõrvalekaldeid. See standard ei käsitle funktsionaalset ohutust ega küberturvalisust.

Keel: en, et
Alusdokumendid: IEC 61557-1:2019; EN IEC 61557-1:2021
Asendab dokumenti: EVS-EN 61557-1:2007

EVS-EN IEC 61557-2:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance (IEC 61557-2:2019)

Standardisarja IEC 61557 see osa sätestab nõuded pingestamata olekus elektripaigaldiste ja -seadmete isolatsioonitakistuse mõõtmiseks kasutatavatele seadmetele.

Keel: en, et
Alusdokumendid: IEC 61557-2:2019; EN IEC 61557-2:2021
Asendab dokumenti: EVS-EN 61557-2:2007

EVS-EN IEC 61557-4:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-4:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandusjuhtide, kaitsejuhtide ja potentsiaali-ühtlustusjuhtide (kaasaarvatult nende ühenduste ja klemmide) takistuse mõõteseadmetele, mis näitavad mõõdetud väärtust või piirväärtusi.

Keel: en, et
Alusdokumendid: IEC 61557-4:2019; EN IEC 61557-4:2021
Asendab dokumenti: EVS-EN 61557-4:2007

EVS-EN IEC 61557-5:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth (IEC 61557-5:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandustakistuse mõõteseadmetele, milles kasutatakse vahelduvvoolu.

Keel: en, et
Alusdokumendid: IEC 61557-5:2019; EN IEC 61557-5:2021
Asendab dokumenti: EVS-EN 61557-5:2007

EVS-EN IEC 61557-6:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparaatide tõhusus TT-, TN- ja IT-süsteemides
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2019)

Standardisarja IEC 61557 see osa sätestab nõuded mõõteseadmetele TT-, TN- ja IT-süsteemides paigaldatud rikkevoolukaitseaparaatide tõhususe katsetamiseks. Selle dokumendi eesmärk ei ole kontrollida rikkevoolukaitseaparaate nende tootestandardite järgi. MÄRKUS Katsetused rikkevoolukaitseaparaatide rakendumisaja ja rakendumisvoolu määramiseks on loetletud lisa A tabelis A.1.

Keel: en, et
Alusdokumendid: IEC 61557-6:2019; EN IEC 61557-6:2021
Asendab dokumenti: EVS-EN 61557-6:2007

EVS-EN ISO 748:2021

Hydrometry - Measurement of liquid flow in open channels - Velocity area methods using point velocity measurements (ISO 748:2021)

This document specifies methods for determining the velocity and cross-sectional area of water flowing in open channels and for calculating the discharge employing point velocity measurement devices. It is applicable to methods using rotating-element current meters, acoustic doppler velocimeters (ADVs), acoustic doppler current profiler (ADCP) stationary method, surface velocity measurement including floats and other surface velocity systems. Although some general procedures are discussed, this document does not describe in detail how to use or deploy these systems. NOTE For detailed procedures, refer to guidelines from instrument manufacturers and the appropriate public agencies.

Keel: en
Alusdokumendid: ISO 748:2021; EN ISO 748:2021
Asendab dokumenti: EVS-EN ISO 748:2007

19 KATSETAMINE

EVS-EN 61010-031:2015+A1+A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 031: Ohutusnõuded käeshoitavatele elektrimõõtmis- ja katsetusseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement (IEC 61010-031:2015 + IEC 61010-031:2015/A1:2018)

This part of IEC 61010 specifies safety requirements for hand-held and hand-manipulated probe assemblies of the types described below, and their related accessories. These probe assemblies are for direct electrical connection between a part and electrical test and measurement equipment. They may be fixed to the equipment or be detachable accessories for the equipment. a) Type A: low-voltage and high-voltage, non-attenuating probe assemblies. Non-attenuating probe assemblies that are RATED for direct connection to voltages exceeding 30 V r.m.s., 42,4 V peak, or 60 V d.c., but not exceeding 63 kV. They do not incorporate components which are intended to provide a voltage divider function or a signal conditioning function, but they may contain non-attenuating components such as fuses (see Figure 1.) b) Type B: high-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies that are RATED for direct connection to secondary voltages exceeding 1 kV r.m.s. or 1,5 kV d.c. but not exceeding 63 kV r.m.s. or d.c. The divider function may be carried out wholly within the probe assembly, or partly within the test or measurement equipment to be used with the probe assembly (see Figure 2). c) Type C: low-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies for direct connection to voltages not exceeding 1 kV r.m.s. or 1,5 kV d.c. The signal conditioning function may be carried out wholly within the probe assembly, or partly within the test or measurement equipment intended to be used with the probe assembly (see Figure 3). d) Type D: low-voltage attenuating, non-attenuating or other signal conditioning probe assemblies, that are RATED for direct connection only to voltages not exceeding 30 V r.m.s., or 42,4 V peak, or 60 V d.c., and are suitable for currents exceeding 8 A (see Figure 4).

Keel: en
Alusdokumendid: IEC 61010-031:2015; EN 61010-031:2015; IEC 61010-031:2015/A1:2018; EN 61010-031:2015/A1:2021; EN 61010-031:2015/A11:2021
Konsolideerib dokumenti: EVS-EN 61010-031:2015
Konsolideerib dokumenti: EVS-EN 61010-031:2015/A1:2021
Konsolideerib dokumenti: EVS-EN 61010-031:2015/A11:2021

EVS-EN IEC 61010-2-011:2021+A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment (IEC 61010-2-011:2019)

IEC 61010-2-011:2019 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates refrigerating systems as an integral part of, or separate from, the equipment and the equipment is in direct control of the refrigerating system. This document details all the requirements when up to 150 g of flammable refrigerant are used per stage of a refrigerating system. Additional requirements beyond the current scope of this document apply if a refrigerant charge of flammable refrigerant exceeds this amount. a) Electrical test and measurement equipment This is equipment which by electromagnetic means tests, measures, indicates or records one or more electrical or physical quantities, also non-measuring equipment such as signal generators, measurement standards, power supplies for laboratory use, transducers, transmitters, etc. b) Electrical industrial process-control equipment This is equipment which controls one or more output quantities to specific values, with each value determined by manual setting, by local or remote programming, or by one or more input variables. c) Electrical laboratory equipment This is equipment which measures, indicates, monitors, inspects or analyses materials, or is used to prepare materials, and includes in vitro diagnostic (IVD) equipment. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) alignment with changes introduced by Amendment 1 of IEC 61010-1:2010; b) introduction of new defined terms or modified terms to align with Part 2-012 and other source documents. Editorial changes to use small capitals only for defined terms. Note the difference of defined term in 4.3.2.101 and abnormal operation in 11.7.104.3 and 11.7.104.5; c) clarifications for cooling tests in 4.4.2.10; d) changes pertaining to the accurate employment of the following terms: temperature, operating temperature, application temperature, controlled temperature, room ambient and ambient temperature; e) use of defined term to replace cooling system; f) move text of 4.4.2.101 to 4.3.2.101, since the purpose of as defined, is to simulate failure of the ambient conditions of 1.4.1 but not of the of the equipment; g) use of the term equipment to replace unit, apparatus, appliance, where applicable; h) in 5.1.2 dd) for high and low sides for each stage are required only under ;i) use of defined term to replace

normal operation; j) use of defined term to replace user. It has the status of a group safety publication in accordance with IEC Guide 104.

Keel: en
Alusdokumendid: IEC 61010-2-011:2019; EN IEC 61010-2-011:2021; EN IEC 61010-2-011:2021/A11:2021
Konsolideerib dokumenti: EVS-EN IEC 61010-2-011:2021
Konsolideerib dokumenti: EVS-EN IEC 61010-2-011:2021/A11:2021

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

CEN ISO/TR 20491:2021

Fasteners - Fundamentals of hydrogen embrittlement in steel fasteners (ISO/TR 20491:2019)

This document presents the latest knowledge related to hydrogen embrittlement, translated into know-how in a manner that is complete yet simple, and directly applicable to steel fasteners.

Keel: en
Alusdokumendid: ISO/TR 20491:2019; CEN ISO/TR 20491:2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 10253-2:2021

Põkk-keevitusega toruliitmikud. Osa 2: Erijärelevalvenõuetega legeerimata ja ferriitsed legeerterased
Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

See dokument spetsifitseerib tehnilised tarnenõuded õmbluseta ja keevitatud liitmikele (põlved, kontsentrilised ja ekstsentrilised siirdmikud, võrdsed ja kitsama haruga kolmikud, otsakud), mis on valmistatud süsinik- ja legeerterasest kahes katsekategoorias ning on ette nähtud kasutamiseks surve all, toatemperatuuril, madalal temperatuuril või kõrgendatud temperatuuril, vedelike ja gaaside edastamiseks ja jaotamiseks. Standard spetsifitseerib: a) liitmike tüübi: tüüp A: põkk-keevitatavad liitmikud, vähendatud rõhuteguriga; tüüp B: põkk-keevitatavad liitmikud kasutamiseks täistöörõhul; b) terasklassid ja nende keemilised koostised; c) mehaanilised omadused; d) mõõtmed ja tolerantsid; e) nõuded järelevalvele ja katsetamisele; f) järelevalvedokumendid; g) märgistamise; h) kaitsmise ja pakendamise. MÄRKUS Sobiva liitmiku (materjal, paksus) valiku eest vastutab lõppkokkuvõttes surveseadme tootja (vt surveseadmete Euroopa õigusaktid). Materjalide ühtlustatud tugistandardite puhul piirdub põhilistele ohutusnõuetele vastavuse eeldus standardis esitatud materjalide tehniliste andmetega ega tähenda seda, et materjal sobib konkreetsele seadmele. Seetõttu tuleb materjalistandardis esitatud tehnilisi andmeid hinnata kõnealuse seadme konstruktsioonile esitatavate nõuete alusel, et tagada surveseadmete direktiivi (PED) põhiliste ohutusnõuete järgimine.

Keel: en, et
Alusdokumendid: EN 10253-2:2021
Asendab dokumenti: EVS-EN 10253-2:2007

EVS-EN 13121-1:2021

GRP-paagid ja -mahutid maapealseks kasutamiseks. Osa 1: Toormaterjalid. Spetsifikatsioonitingimused ja aktsepteerimise kriteeriumid
GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance criteria

Selles dokumendis esitatakse nõuded maapealseks kasutamiseks mõeldud vedelike ladustamiseks või töötlemiseks, vooderdatud või vooderdamata, tehases tehtud või objektil ehitatud, survevabade või survealuste GRP-paakide ja -mahutite toormaterjalide spetsifikatsioonile ja vastuvõtutingimustele. Koos standardis EN 13121-3:2016 kindlaksmääratud survet kandvate materjalide tootmise põhimõtetega tagavad toormaterjalide spetsifikatsioonitingimused ja vastuvõtutingimused, et paak või mahuti suudab täita oma kavandamisnõudeid, eriti oma nõudeid keemilisele/termilisele vastupidavusele ning rõhule ja koormustaluvusele. MÄRKUS Toidu, toidu toormaterjalide ja joogivee ladustamiseks või töötlemiseks mõeldud paagid ja mahutid peavad vastama asjakohastele EL-i direktiividele ning kehtivatele rahvuslikele standarditele ja riiklikele eeskirjadele.

Keel: en, et
Alusdokumendid: EN 13121-1:2021
Asendab dokumenti: EVS-EN 13121-1:2003

EVS-EN ISO 6801:2021

Rubber and plastics hoses - Determination of volumetric expansion (ISO 6801:2021)

This document specifies a method for the determination of the volumetric expansion of rubber or plastics hoses under hydrostatic pressure. This document does not specify the dimensions of the test piece and the test pressure(s) as each of which is specified in the appropriate specification.

Keel: en
Alusdokumendid: ISO 6801:2021; EN ISO 6801:2021
Asendab dokumenti: EVS-EN 26801:1999
Asendab dokumenti: EVS-EN 26801:1999/A1:2011

25 TOOTMISTEHNOLOOGIA

CEN ISO/ASTM/TS 52930:2021

Additive Manufacturing - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment (ISO/ASTM/TS 52930:2021)

This document provides recommended practices for process qualification of metal production parts produced with the powder bed fusion by laser beam process (PBF-LB/M). This document covers only process qualification issues directly related to the AM equipment and does not cover feedstock qualification or post processing beyond powder removal. This guideline addresses IQ, OQ, and PQ issues directly related to the AM machine and connected equipment. Physical facility, personnel, process and material issues are only included to the extent necessary to support machine qualification.

Keel: en
Alusdokumendid: ISO/ASTM TS 52930:2021; CEN ISO/ASTM/TS 52930:2021

EVS-EN IEC 60974-10:2021

Kaarkeevitusseadmed. Osa 10: Elektromagnetilise ühilduvuse nõuded
Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements

IEC 60974-10:2014 specifies a) applicable standards and test methods for radio-frequency (RF) emissions; b) applicable standards and test methods for harmonic current emission, voltage fluctuations and flicker; c) immunity requirements and test methods for continuous and transient, conducted and radiated disturbances including electrostatic discharges. This standard is applicable to equipment for arc welding and allied processes, including power sources and ancillary equipment, for example wire feeders, liquid cooling systems and arc striking and stabilizing devices. This third edition cancels and replaces the second edition published in 2007 and constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - inclusion of optional use of a decoupling network and a load outside the test chamber; - inclusion of an alternative test setup for portable equipment; - inclusion of test conditions for complex controls, liquid cooling systems and arc striking and stabilizing devices; - update of the applicable limits related to the updated reference to CISPR 11; - exclusion of the use of narrow band relaxations for RF emission limits; - update of the applicable limits for harmonics and flicker and inclusion of flow-charts related to the updated reference to IEC 61000-3-11 and IEC 61000-3-12; - update of the requirements for voltage dips related to the updated reference to IEC 61000-4-11 and IEC 61000-4-34; - update of the informative annex for installation and use; - inclusion of symbols to indicate the RF equipment class and restrictions for use.

Keel: en
Alusdokumendid: IEC 60974-10:2020; EN IEC 60974-10:2021
Asendab dokumenti: EVS-EN 60974-10:2014
Asendab dokumenti: EVS-EN 60974-10:2014/A1:2015

EVS-EN IEC 62135-2:2021

Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements

IEC 62135-2:2020 is applicable to equipment for resistance welding and allied processes which are connected to mains supplies with rated voltages up to 1 000 V AC RMS. This document does not define safety requirements. This third edition cancels and replaces the second edition published in 2015. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - update of the applicable limits related to the updated references; - implementation of radiated magnetic field requirements.

Keel: en
Alusdokumendid: IEC 62135-2:2020; EN IEC 62135-2:2021
Asendab dokumenti: EVS-EN 62135-2:2015

EVS-EN ISO 15614-13:2021

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 13: Upset (resistance butt) and flash welding (ISO 15614-13:2021)

This document specifies tests for the qualification of welding procedure specifications applicable to upset (resistance butt) welding and flash welding of metallic materials, e.g. with solid, tubular, flat or circular cross-section. Its basic principles can also be applied to other resistance welding processes when this is stated in the specification. This document defines the conditions for carrying out tests and the limits of validity of a qualified welding procedure for all the practical welding operations that it covers. It covers the following resistance welding processes, as defined in ISO 4063: - 24 flash welding, using direct current or alternating current with various movement sequences, constant flashing and pulsed flashing; -25 resistance upset welding, using direct current or alternating current with various pressure sequences.

Keel: en
Alusdokumendid: ISO 15614-13:2021; EN ISO 15614-13:2021
Asendab dokumenti: EVS-EN ISO 15614-13:2012

EVS-EN ISO/ASTM 52900:2021

Additive manufacturing - General principles - Fundamentals and vocabulary (ISO/ASTM 52900:2021)

This document establishes and defines terms used in additive manufacturing (AM) technology, which applies the additive shaping principle and thereby builds physical three-dimensional (3D) geometries by successive addition of material. The terms have been classified into specific fields of application.

Keel: en

Alusdokumendid: ISO/ASTM 52900:2021; EN ISO/ASTM 52900:2021
Asendab dokumenti: EVS-EN ISO/ASTM 52900:2017

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 12976-1:2021

Päikeseküttesüsteemid ja komponendid. Tehases valmistatud süsteemid. Osa 1: Üldnõuded
Thermal solar systems and components - Factory made systems - Part 1: General requirements

This document specifies requirements on durability, reliability and safety for factory made solar heating systems. The document also includes provisions for evaluation of conformity to these requirements (see Annex A). The concept of system families is included as well, in Annex C. The requirements in this document apply to factory made solar systems as products. The installation of these systems including their integration with roofs or facades is not considered, but requirements are given for the documentation for the installer and the user to be delivered with the system (see also 4.6). External auxiliary water heating devices that are placed in series with the factory made system are not considered to be part of the system. Cold water piping from the cold water grid to the system as well as piping from the system to an external auxiliary heater or to draw-off points is not considered to be part of the system. Piping between components of the factory made system is considered to be part of the system. Any integrated heat exchanger or piping for space heating option (see Introduction, last paragraph) is not considered to be part of the system.

Keel: en
Alusdokumendid: EN 12976-1:2021
Asendab dokumenti: EVS-EN 12976-1:2017

EVS-EN IEC 60891:2021

Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics

This document defines procedures to be followed for temperature and irradiance corrections to the measured I-V (current-voltage) characteristics (also known as I-V curves) of photovoltaic (PV) devices. It also defines the procedures used to determine factors relevant to these corrections. Requirements for I-V measurement of PV devices are laid down in IEC 60904-1 and its relevant subparts. The PV devices include a single solar cell with or without a protective cover, a sub-assembly of solar cells, or a module. A different set of relevant parameters for I-V curve correction applies for each type of device. The determination of temperature coefficients for a module (or subassembly of cells) may be calculated from single cell measurements, but this is not the case for the internal series resistance and curve correction factor, which should be separately measured for a module or subassembly of cells. Refer to Annex A for alternative procedures for series resistance determination. The use of I-V correction parameters are valid for the PV device for which they have been measured. Variations may occur within a production lot or the type class.

Keel: en
Alusdokumendid: IEC 60891:2021; EN IEC 60891:2021
Asendab dokumenti: EVS-EN 60891:2010

EVS-EN ISO 20675:2021

Biogas - Biogas production, conditioning, upgrading and utilization - Terms, definitions and classification scheme (ISO 20675:2018)

This document defines terms and describes classifications related to biogas production by anaerobic digestion, gasification from biomass and power to gas from biomass sources, biogas conditioning, biogas upgrading and biogas utilization from a safety, environmental, performance and functionality perspective, during the design, manufacturing, installation, construction, testing, commissioning, acceptance, operation, regular inspection and maintenance phases. Biogas installations are, among others, applied at industrial plants like food and beverage industries, waste water treatment plants, waste plants, landfill sites, small scale plants next to agricultural companies and small scale household installations. The following topics are excluded from this document: — boilers, burners, furnaces and lightening, in case these are not specifically applied for locally produced biogas; — gas-fuelled engines for vehicles and ships; — the public gas grid; — specifications to determine biomethane quality; — transportation of compressed or liquefied biogas; — transportation of biomass or digestate; — assessment and determination whether biomass is sourced sustainably or not. This document describes the following for information purposes as well: — the parameters to determine the size (e.g. small, medium-sized, or large scale); — the parameters to determine the type of installation (e.g. domestic, industrial); — the parameters to describe the type of technique; — terms and processes in order to develop health, safety and environmental protection guidelines for biogas installations. NOTE For an explanation of the Scope, see Annex A.

Keel: en
Alusdokumendid: ISO 20675:2018; EN ISO 20675:2021

EVS-EN ISO 22580:2021

Flares for combustion of biogas (ISO 22580:2020)

This document applies to the design, manufacture, installation and operation of flares for the combustion of biogas. Test methods and performance requirements are also included. Biogas systems are amongst others applied at industrial plants like food and beverage industries, waste water treatment plants, waste plants, landfill sites, small scale plants next to agricultural companies and small-scale household systems.

Keel: en

Alusdokumendid: ISO 22580:2020; EN ISO 22580:2021

EVS-EN ISO 23590:2021

Household biogas system requirements: design, installation, operation, maintenance and safety (ISO 23590:2020)

This document covers the requirements for the design, installation, operation, maintenance and the safety of Household Biogas Systems (HBSs), producing biogas in an amount equivalent to an installation capacity of less than 100 MWh per year. The document applies to HBSs comprising of pipeline and equipment with pressure levels of less than 5 kPa. Any equipment or appliances connected to an HBS or utilizing the biogas energy of an HBS are not a part of the scope of this document.

Keel: en
Alusdokumendid: ISO 23590:2020; EN ISO 23590:2021

29 ELEKTROTEHNIKA

EVS-EN 62262:2008+A1:2021

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (IEC 62262:2002 + IEC 62262:2002/AMD1:2021)

This document refers to the classification of the degrees of protection provided by enclosures against external mechanical impacts when the rated voltage of the protected equipment is not greater than 72,5 kV. The object of this document is to give a) the definitions for the degrees of protection provided by enclosures of electrical equipment as regards protection of the equipment inside the enclosure against harmful effects of mechanical impacts; b) the designations for the degrees of protection; c) the requirements for each designation; d) the tests to be performed to verify that the enclosure meets the requirements of this document. It will remain the responsibility of individual technical committees to decide on the extent and manner in which the classification is used in their standards and to define the "enclosure" as it applies to their equipment and to ensure that for a given classification, the tests do not differ from those specified in this document. If necessary, complementary requirements can be included in the relevant product standard. For a particular type of equipment, a product committee can specify different requirements provided that at least the same level of safety is ensured. This document deals only with enclosures that are in all other respects suitable for their intended use as specified in the relevant product standard and which, from the point of view of materials and workmanship, ensure that the claimed degrees of protection are maintained under the normal conditions of use.

Keel: en
Alusdokumendid: IEC 62262:2002; EN 62262:2002; IEC 62262:2002/AMD1:2021; EN 62262:2002/A1:2021
Konsolideerib dokumenti: EVS-EN 62262:2008
Konsolideerib dokumenti: EVS-EN 62262:2008/A1:2021

EVS-EN IEC 60335-2-29:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

IEC 60335-2-29:2016 deals with the safety of electric battery chargers for household and similar use having an output not exceeding 120 V ripple-free direct current, their rated voltage being not more than 250 V. Battery chargers intended for charging batteries in a household end use application outside the scope of the IEC 60335 series of standards are within the scope of this standard. Requirements for battery chargers for use by children at least 8 years old without supervision are given in Annex AA. Battery chargers not intended for normal household use, but which nevertheless may be a source of danger to the public, such as battery chargers intended for use in garages, shops, light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to built-in: - battery chargers, except those for installing in caravans and similar vehicles; - battery chargers that are part of an appliance, the battery of which is not accessible to the user; - battery chargers intended exclusively for industrial purposes; - battery chargers intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); - battery chargers for emergency lighting or supply units for electronic equipment. This fifth edition cancels and replaces the fourth edition published in 2002 including its Amendment 1 (2004) and its Amendment 2 (2009). It constitutes a technical revision. The principal changes in this edition as compared with the fourth edition of IEC 60335-2-29 are as follows (minor changes are not listed): - Revised the drop test to refer to IEC 60068-2-31 (21.101); - Requirements for supply cords on battery chargers used at low temperatures (25.7); - Requirements for battery chargers having an output voltage exceeding SELV have been added (1, 3.2.2, 3.4.3, 10.101, 24.4, 25.5, 25.7, 25.8, 25.15. 26.5); - A classification for battery chargers used outdoors has been added (6.2, 29.2) and some notes in Clause 1, Subclauses 7.1 and 22.102, Figure 101 and Annex AA 11.8 have been converted to normative text. It was established on the basis of the fifth edition (2010) of that standard. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en
Alusdokumendid: IEC 60335-2-29:2016; EN IEC 60335-2-29:2021
Asendab dokumenti: EVS-EN 60335-2-29:2004
Asendab dokumenti: EVS-EN 60335-2-29:2004/A11:2018
Asendab dokumenti: EVS-EN 60335-2-29:2004/A2:2010

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

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29 - Particular requirements for battery chargers

This European Standard deals with the safety of electric battery chargers for household use having an output at safety extra-low voltage, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-29:2016/A1:2019; EN IEC 60335-2-29:2021/A1:2021
Muudab dokumenti: EVS-EN IEC 60335-2-29:2021

EVS-EN IEC 60404-17:2021

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor

This part of IEC 60404 is applicable to grain-oriented electrical steel strip and sheet specified in IEC 60404-8-7 for the measurement of magnetostriction characteristics under an applied AC magnetic field at 50 Hz or 60Hz. This document defines the general principles and technical details of the measurement of magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor. NOTE 1 The accelerometer method [5] is also an established method for the measurement of magnetostriction. However, it is more suited to the measurement of magnetostriction under an externally applied tensile or compressive stress, not zero stress, because it places a weight on the test specimen to prevent a deformation of the test specimen. Since this document includes the measurement at zero stress, the optical sensor method is provided as the optimum method. This document is applicable to the measurement of: - the butterfly loop; - the peak-to-peak value λp-p; - the zero-to-peak value λ0-p. The magnetostriction characteristics are determined for a sinusoidal induced secondary voltage, for a specified peak value of the magnetic polarization and at a specified magnetizing frequency. NOTE 2 Throughout this document the term “magnetic polarization” is used as described in IEC 60050-121-11-54. In some standards of the 60404 series, the term “magnetic flux density” is used.

Keel: en
Alusdokumendid: IEC 60404-17:2021; EN IEC 60404-17:2021

EVS-EN IEC 60695-2-10:2021

Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure

This part of IEC 60695 specifies the glow-wire apparatus and common test procedure to simulate the effects of thermal stresses which may be produced by heat sources such as glowing elements or overloaded resistors, for short periods, in order to assess the fire hazard by a simulation technique. The test procedure described in this document is a common test procedure intended for the small-scale tests in which a standardized electrically heated wire is used as a source of ignition. It is a common part of the test procedures applied to end products and to solid electrical insulating materials or other solid combustible materials. A detailed description of each particular test procedure is given in IEC 60695-2-11, IEC 60695-2-12 and IEC 60695-2-13. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en
Alusdokumendid: IEC 60695-2-10:2021; EN IEC 60695-2-10:2021
Asendab dokumenti: EVS-EN 60695-2-10:2013

EVS-EN IEC 60695-2-11:2021

Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)

This part of IEC 60695 specifies a test method on an end product. It is intended to simulate the effects of thermal stresses produced by an electrically heated source to represent a fire hazard. This test method is used to check that, under defined test conditions, an end product exposed to an electrically heated source has either a limited ability to ignite or, if it ignites, a limited ability to propagate flame. However, the fire hazard analysis, the flammability aspects and the flame spreading to other products are not covered by the present standard. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en
Alusdokumendid: EN IEC 60695-2-11:2021; IEC 60695-2-11:2021
Asendab dokumenti: EVS-EN 60695-2-11:2014

EVS-EN IEC 60695-5-1:2021

Fire hazard testing - Part 5-1: Corrosion damage effects of fire effluent - General guidance

This part of IEC 60695 provides guidance on the following: a) general aspects of corrosion damage test methods; b) methods of measurement of corrosion damage; c) consideration of test methods; d) relevance of corrosion damage data to hazard

assessment. This basic safety publication shall be used by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en
Alusdokumendid: EN IEC 60695-5-1:2021; IEC 60695-5-1:2021
Asendab dokumenti: EVS-EN 60695-5-1:2003

EVS-EN IEC 60695-7-2:2021

Fire hazard testing - Part 7-2: Toxicity of fire effluent - Summary and relevance of test methods

This part of IEC 60695-7 gives a brief summary of the test methods that are in common use in the assessment of the toxicity of fire effluent. It includes special observations on their relevance to real fire scenarios and gives recommendations on their use. It advises which tests provide toxic potency data that are relevant to real fire scenarios, and which are suitable for use in fire hazard assessment and fire safety engineering. The list of test methods is not to be considered exhaustive. This summary cannot be used in place of published standards which are the only valid reference documents. This basic safety publication is intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications. The requirements, test methods or test conditions of this basic safety publication will not apply unless specifically referred to or included in the relevant publications.

Keel: en
Alusdokumendid: IEC 60695-7-2:2021; EN IEC 60695-7-2:2021
Asendab dokumenti: EVS-EN 60695-7-2:2011

EVS-EN IEC 60730-2-14:2019/A2:2021

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Amendment to EN IEC 60730-2-14:2019

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD2:2021; EN IEC 60730-2-14:2019/A2:2021
Muudab dokumenti: EVS-EN IEC 60730-2-14:2019

EVS-EN IEC 61557-1:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements (IEC 61557-1:2019)

Standardisarja IEC 61557 see osa määratleb põhinõuded mõõte- ja seireseadmetele elektriohutuse kontrollimisel madalpingevõrkudes ja -paigaldistes nimi-vahelduvpingega kuni 1000 V ja nimi-alalispingega kuni 1500 V. Kui mõõteseade või mõõtepaigaldis on ette nähtud mitme selles standardisarjas käsitletava mõõtmise sooritamiseks, tuleb iga sellise mõõtmistoimingu puhul rakendada standardisarja vastavat osa. MÄRKUS Mõõteseadmete all mõistetakse edaspidi kõiki katsetus-, mõõte- ja seireseadmeid. Standardisarja IEC 61557 teised osad käsitlevad lisanõudeid või kõrvalekaldeid. See standard ei käsitle funktsionaalset ohutust ega küberturvalisust.

Keel: en, et
Alusdokumendid: IEC 61557-1:2019; EN IEC 61557-1:2021
Asendab dokumenti: EVS-EN 61557-1:2007

EVS-EN IEC 61557-2:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance (IEC 61557-2:2019)

Standardisarja IEC 61557 see osa sätestab nõuded pingestamata olekus elektripaigaldiste ja -seadmete isolatsioonitakistuse mõõtmiseks kasutatavatele seadmetele.

Keel: en, et
Alusdokumendid: IEC 61557-2:2019; EN IEC 61557-2:2021
Asendab dokumenti: EVS-EN 61557-2:2007

EVS-EN IEC 61557-4:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-4:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandusjuhtide, kaitsejuhtide ja potentsiaali-ühtlustusjuhtide (kaasaarvatult nende ühenduste ja klemmide) takistuse mõõteseadmetele, mis näitavad mõõdetud väärtust või piirväärtusi.

Keel: en, et
Alusdokumendid: IEC 61557-4:2019; EN IEC 61557-4:2021
Asendab dokumenti: EVS-EN 61557-4:2007

EVS-EN IEC 61557-5:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth (IEC 61557-5:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandustakistuse mõõteseadmetele, milles kasutatakse vahelduvvoolu.

Keel: en, et
Alusdokumendid: IEC 61557-5:2019; EN IEC 61557-5:2021
Asendab dokumenti: EVS-EN 61557-5:2007

EVS-EN IEC 61557-6:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparaatide tõhusus TT-, TN- ja IT-süsteemides
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2019)

Standardisarja IEC 61557 see osa sätestab nõuded mõõteseadmetele TT-, TN- ja IT-süsteemides paigaldatud rikkevoolukaitseaparaatide tõhususe katsetamiseks. Selle dokumendi eesmärk ei ole kontrollida rikkevoolukaitseaparaate nende tootestandardite järgi. MÄRKUS Katsetused rikkevoolukaitseaparaatide rakendumisaja ja rakendumisvoolu määramiseks on loetletud lisa A tabelis A.1.

Keel: en, et
Alusdokumendid: IEC 61557-6:2019; EN IEC 61557-6:2021
Asendab dokumenti: EVS-EN 61557-6:2007

EVS-EN IEC 61914:2021

Elektripaigaldiste kaabliklambrid
Cable cleats for electrical installations

This International Standard specifies requirements and tests for cable cleats used for securing cables in electrical installations and for intermediate restraints used for holding cables together in formation in electrical installations. Cable cleats provide resistance to electromechanical forces where declared. This document includes cable cleats that rely on a mounting surface specified by the manufacturer for axial and/or lateral retention of cables. Various types of cable cleats and intermediate restraints are shown in Annex A. NOTE Requirements for manufacturers in this document also apply to importers and responsible vendors where appropriate. This document does not apply to cable ties.

Keel: en
Alusdokumendid: IEC 61914:2021; EN IEC 61914:2021
Asendab dokumenti: EVS-EN 61914:2016

EVS-EN IEC 63013:2019/A1:2021

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

Amendment to EN IEC 63013:2019

Keel: en
Alusdokumendid: IEC 63013:2017/AMD1:2021; EN IEC 63013:2019/A1:2021
Muudab dokumenti: EVS-EN IEC 63013:2019

33 SIDETEHNIKA

EVS-EN 13757-1:2021

Communication systems for meters - Part 1: Data exchange

This document specifies data exchange and communications for meters in a generic way. This document establishes a protocol specification for the Application Layer for meters and establishes several protocols for meter communications which can be applied depending on the application being fulfilled. This document also specifies the overall structure of the Object Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification

codes. NOTE Electricity meters are not covered by this document, as the standardization of remote readout of electricity meters is a task for CENELEC/IEC.

Keel: en
Alusdokumendid: EN 13757-1:2021
Asendab dokumenti: EVS-EN 13757-1:2014

EVS-EN 301 390 V2.1.1:2021

Fixed Radio Systems; Point-to-point and Multipoint Systems; Unwanted emissions in the spurious domain and receiver immunity limits at equipment/antenna port of Digital Fixed Radio Systems

The scope of the present document is to define specific limits at antenna port for unwanted emissions in the spurious domain and receiver immunity for suitable inter-working of Digital Fixed Radio Systems (i.e. Point-to-point and Multipoint systems) in the same or in different frequency band whenever allocated to Fixed Service in the range 9 kHz to 300 GHz. However systems with fundamental emission below 30 MHz are not considered relevant for Digital Fixed Radio Systems and are outside the scope of the present document. The present document adopts CEPT/ERC Recommendation 74-01 which gives limits for Unwanted emissions in the Spurious domain with particular regards to "inter Services" operations. In addition, it is recognized the need for a general requirement for receiver immunity to relatively high interference signals generated by any source and at any frequency in the same range identified as spurious domain by CEPT/ERC Recommendation 74-01. Some ETSI deliverables for DFRS provide limits for both "external" and "internal" spurious domain emissions and the latter are outside the scope of the present document. Moreover the limits for emissions given in the present document do not prevent more stringent requirement given in those deliverables for intra-system purpose (i.e. local Transmitter to Receiver interference usually referred as "internal"). In order to help the understanding of limits given in CEPT/ERC Recommendation 74-01, in annex B, unwanted emissions in the spurious domain are analysed from the point of view of a suitable test method for conformance testing.

Keel: en
Alusdokumendid: ETSI EN 301 390 V2.1.1

EVS-EN IEC 61970-452:2021

Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles

This document is one of the IEC 61970-450 to 499 series that, taken as a whole, defines at an abstract level the content and exchange mechanisms used for data transmitted between control centres and/or control centre components, such as power systems applications. The purpose of this document is to define the subset of classes, class attributes, and roles from the CIM necessary to execute state estimation and power flow applications. The North American Electric Reliability Council (NERC) Data Exchange Working Group (DEWG) Common Power System Modelling group (CPSM) produced the original data requirements, which are shown in Annex E. These requirements are based on prior industry practices for exchanging power system model data for use primarily in planning studies. However, the list of required data has been extended starting with the first edition of this standard to facilitate a model exchange that includes parameters common to breaker-oriented applications. Where necessary this document establishes conventions, shown in Clause 6, with which an XML data file must comply in order to be considered valid for exchange of models. This document is intended for two distinct audiences, data producers and data recipients, and may be read from two perspectives. From the standpoint of model export software used by a data producer, the document describes a minimum subset of CIM classes, attributes, and associations which must be present in an XML formatted data file for model exchange. This standard does not dictate how the network is modelled, however. It only dictates what classes, attributes, and associations are to be used to describe the source model as it exists.

Keel: en
Alusdokumendid: IEC 61970-452:2021; EN IEC 61970-452:2021
Asendab dokumenti: EVS-EN 61970-452:2017

35 INFOTEHNOLOOGIA

EVS-EN 13757-1:2021

Communication systems for meters - Part 1: Data exchange

This document specifies data exchange and communications for meters in a generic way. This document establishes a protocol specification for the Application Layer for meters and establishes several protocols for meter communications which can be applied depending on the application being fulfilled. This document also specifies the overall structure of the Object Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. NOTE Electricity meters are not covered by this document, as the standardization of remote readout of electricity meters is a task for CENELEC/IEC.

Keel: en
Alusdokumendid: EN 13757-1:2021
Asendab dokumenti: EVS-EN 13757-1:2014

EVS-EN 50090-6-2:2021

Home and Building Electronic Systems (HBES)- Part 6-2 IoT Semantic Ontology model description

This document defines the HBES Information Model and a corresponding data exchange format for the Home and Building HBES Open Communication System.

Keel: en

Alusdokumendid: EN 50090-6-2:2021

EVS-EN 50667:2016/A1:2021

Information technology - Automated infrastructure management (AIM) systems - Requirements, data exchange and applications

This Standard specifies the requirements and recommendations for the attributes of Automated Infrastructure Management (AIM) systems.

Keel: en
Alusdokumendid: EN 50667:2016/A1:2021
Muudab dokumenti: EVS-EN 50667:2016

EVS-EN ISO 9241-20:2021

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021)

This document provides: a) an introduction to the importance of accessibility to human-system interaction; b) a discussion of the relationship of principles within the ISO 9241 series and accessibility; c) descriptions of activities related to the processes in ISO 9241-210 that focus on accessibility; d) references to standards relevant to the accessibility of interactive systems.

Keel: en
Alusdokumendid: ISO 9241-20:2021; EN ISO 9241-20:2021
Asendab dokumenti: EVS-EN ISO 9241-20:2009

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 1949:2021

Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles

This document specifies the requirements for the installation of liquefied petroleum gas systems for habitation purposes in leisure accommodation vehicles and for accommodation purposes in other vehicles. It details health and safety requirements on: — the selection of materials; — components and appliances; — design considerations; — tightness testing of installations; — the contents of the user's handbook. This document only covers installations supplied with 3rd family gases (LPG). It does not cover: — water connections or electrical power supplies to the appliance(s); — portable appliances, incorporating their own LPG supply; — the installation of LPG appliances to be used for commercial purposes; — LPG installations on boats; — LPG supply equipment and LPG appliances separate from and external to the body of the vehicle. This document covers LPG tanks fulfilling the requirements of the Pressure Equipment Directive (2014/68/EU). Attention is drawn to the Pressure Equipment Directive (2014/68/EU) for any parts of the installation operating above 0,5 bar.

Keel: en
Alusdokumendid: EN 1949:2021
Asendab dokumenti: EVS-EN 1949:2011+A1:2013

45 RAUDTEETEHNIKA

EVS-EN 14601:2005+A2:2021

Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe

This document is applicable to manually operated end cocks designed to cut-off the brake pipe and the main reservoir pipe of the air brake and compressed air system of rail vehicles; without taking the type of vehicles and track-gauge into consideration. This document specifies requirements for the design, dimensions, testing and certification (qualification and/or homologation), and marking.

Keel: en
Alusdokumendid: EN 14601:2005+A2:2021
Asendab dokumenti: EVS-EN 14601:2005+A1:2010

EVS-EN 15528:2021

Raudteealased rakendused. Raudteeveeremi teljekoormust ja infrastruktuuri ühilduvust reguleerivad raudteelõikude kategooriad
Railway applications - Line categories for managing the interface between load limits of vehicles and infrastructure

This document is applicable to the lines with standard track gauge (1435 mm) and wider track gauges of the heavy rail system and the vehicles that are operated on these lines. This includes machines used for construction, maintenance, inspection, repair and renewal when they are operated in running mode, but not, when they are in working or travelling mode. This document specifies methods of classification of existing and new lines of the heavy rail system and the categorization of rail vehicles. This document gives guidance to a reliable and established management of the interface between rail vehicles and the heavy rail network and does not impose any requirements on either vehicles or infrastructure. The application of this document enables to ensure the static route compatibility between a rail vehicle and the heavy rail network with respect to the vertical load carrying capacity. It contains requirements relevant to: — classification of the vertical load carrying capacity of lines of the heavy rail network; — allocation of rail vehicles to line categories (categorization); — determination of payload limits of freight wagons.

This document does not apply to: — assessments of compatibility based on the parameter axle load alone; — compatibility checks for cases where an additional dynamic analysis is required (for example according to EN 1991-2); — requirements relating to the maximum total mass or maximum length of a train; — the system used in Great Britain, where all lines and vehicles are classified in accordance with the RA (Route Availability) System. A guide to the equivalent line categories in accordance with this European Standard is given in Annex F; — the publication of line categories. The requirements of this document do not replace any regulations related to running behaviour of vehicles described by the assessment quantities for running safety, track loading and ride characteristics (see EN 14363).

Keel: en
Alusdokumendid: EN 15528:2021
Asendab dokumenti: EVS-EN 15528:2015

EVS-EN IEC 61133:2021

Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service

This International Standard specifies general criteria to demonstrate by testing that newly constructed complete railway vehicles conform with standards or other normative documents. This International Standard, as a whole or in part, applies to all railway vehicles except special purpose vehicles such as track-laying machines, ballast cleaners and personnel carriers. The extent of application of the standard for particular vehicles will be specifically mentioned in the contract, to take account, where necessary, of any legislative requirements. NOTE 1 The parts of the standard which are applicable will depend on the type of vehicle (e.g. passenger, freight, powered trailer, etc.). NOTE 2 The scope of this standard excludes railbound and road/rail vehicles for construction and maintenance of railway infrastructure. NOTE 3 This standard does not deal with tests carried out on components or equipment before fitting to the vehicle. In so far as this International Standard is applicable, it may be used for the following: – generator sets mounted on a vehicle provided for auxiliary purposes; – electrical transmission used on trolley buses or similar vehicles; – control and auxiliary equipment of vehicles with non-electrical propulsion systems; – vehicles guided, supported or electrically propelled by systems which do not use the adhesion between wheel and rail. NOTE 4 Specific technical requirements apply to vehicles which operate on the railways in the European Union. The source of those requirements is given in Annex B. Where a European requirement applies to a given clause, a note has been inserted at the end of the clause.

Keel: en
Alusdokumendid: IEC 61133:2016; EN IEC 61133:2021
Asendab dokumenti: EVS-EN 50215:2009

EVS-EN IEC 61375-2-8:2021

Electronic railway equipment - Train communication network (TCN) - Part 2-8: TCN conformance test

IEC 61375-2-8:2021 applies to all equipment and devices implemented according to IEC 61375-2-3:2015, IEC 61375-2-5:2014 and IEC 61375-3-4:2014, i.e. it covers the procedures to be applied to such equipment and devices when the conformance should be proven. The applicability of this document to a TCN implementation allows for individual conformance checking of the implementation itself, and is a pre-requisite for further interoperability checking between different TCN implementations.

Keel: en
Alusdokumendid: IEC 61375-2-8:2021; EN IEC 61375-2-8:2021

49 LENNUNDUS JA KOSMOSETEHNIKA

CEN/TR 17602-30-01:2021

Space product assurance - Worst case analysis

This handbook provides guidelines to perform the worst case analysis. It applies to all electrical and electronic equipment. This worst case analysis (WCA) method can also be applied at subsystem level to justify electrical interface specifications and design margins for equipment. It applies to all project phases where electrical interface requirements are established and circuit design is carried out. The worst case analysis is generally carried out when designing the circuit. For selected circuitry, worst case analysis (WCA) can be used to validate a conceptual design approach.

Keel: en
Alusdokumendid: CEN/TR 17602-30-01:2021

CEN/TR 17602-30-03:2021

Space product assurance - Human dependability handbook

The handbook defines the principles and processes of human dependability as integral part of system safety and dependability. The handbook focuses on human behaviour and performance during the different operation situations as for example in a control centre such as handover to routine mission operation, routine mission operation, satellite maintenance or emergency operations. This handbook illustrates the implementation of human dependability in the system life cycle, where during any project phase there exists the need to systematically include considerations of the: - Human element as part of the space system, - Impact of human behaviour and performance on safety and dependability. Within this scope, the main application areas of the handbook are to support the: a. Development and validation of space system design during the different project phases, b. Development, preparation and implementation of space system operations including their support such as the organisation, rules, training etc. c. Collection of human error data and investigation of incidents or accidents involving human error. The handbook does not address: - Design errors: The handbook intends to support design (and therefore in this sense, addresses design errors) regarding the avoidance or mitigation of human errors during operations. However, human error during design development are not considered. - Quantitative (e.g. probabilistic) analysis of human behaviour and performance:

The handbook does not address probabilistic assessment of human errors as input to system level safety and dependability analysis and consideration of probabilistic targets, and - Intentional malicious acts and security related issues: Dependability and safety deals with "threats to safety and mission success" in terms of failures and human non malicious errors and for the sake of completeness includes "threats to safety and mission success" in terms of malicious actions, which are addressed through security risk analysis. However by definition "human dependability" as presented in this handbook excludes the consideration of "malicious actions" and security related issues i.e. considers only "non-malicious actions" of humans. The handbook does not directly provide information on some disciplines or subjects, which only indirectly i.e. at the level of PSFs (see section 5) interface with "human dependability". Therefore the handbook does not provide direct support to "goals" such as: - optimize information flux in control room during simulations and critical operations, - manage cultural differences in a team, - cope with negative group dynamics, - present best practices and guidelines about team training needs and training methods, - provide guidelines and best practices concerning planning of shifts, - present basic theory about team motivation, and - manage conflict of interests on a project. 1.2 Objectives The objectives of the handbook are to support: - Familiarization with human dependability (see section 5 "principles of human dependability"). For details and further reading see listed "references" at the end of each section of the handbook. - Application of human dependability; (see section 6 "human dependability processes" and 7 "implementation of human dependability in system life cycle").

Keel: en
Alusdokumendid: CEN/TR 17602-30-03:2021

CEN/TR 17602-30-08:2021

Space product assurance - Components reliability data sources and their use

This handbook identifies data sources and respective methods that can be used for reliability prediction of components. It proposes suitable data sources and an application matrix for component families.

Keel: en
Alusdokumendid: CEN/TR 17602-30-08:2021

CEN/TR 17602-60-02:2021

Space product assurance - Techniques for radiation effects mitigation in ASICs and FPGAs handbook

This handbook provides a compilation of different techniques that can be used to mitigate the adverse effects of radiation in integrated circuits (ICs), with almost exclusive attention to Application Specific Integrated Circuits (ASICs) and Field Programmable Gate Arrays (FPGAs) to be used in space, and excluding other ICs like power devices, MMIC or sensors. The target users of this handbook are developers and users of ICs which are meant to be used in a radiation environment. Following a bottom-up order, the techniques are presented according to the different stages of an IC development flow where they can be applied. Therefore, users of this handbook can be IC engineers involved in the selection, use or development of IC manufacturing processes, IC layouts and ASIC standard cell libraries, analogue and digital circuit designs, FPGAs, embedded memories, embedded software and the immediate electronic system (printed circuit board) containing the IC that can experience the radiation effects. In addition, this handbook contains an overview of the space radiation environment and its effects in semiconductor devices, a section on how to validate the good implementation and effectiveness of the mitigation techniques, and a special section providing some general guidelines to help with the selection of the most adequate mitigation techniques including some examples of typical space project scenarios. The information given in this ECSS Handbook is provided only as guidelines and for reference, and not to be used as requirements. ECSS Standards provide requirements that can be made applicable, while, ECSS Handbooks provide guidelines.

Keel: en
Alusdokumendid: CEN/TR 17602-60-02:2021

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 6330:2021

Textiles - Domestic washing and drying procedures for textile testing (ISO 6330:2021)

1.1 This document specifies domestic washing and drying procedures for textile testing. The procedures are applicable to textile fabrics, garments or other textile articles which are subjected to appropriate combinations of domestic washing and drying procedures. This document also specifies the reference detergents and ballasts for the procedures. 1.2 Provision is made for a) 16 different washing procedures based on the use of the reference washing machine Type A: horizontal axis, front-loading type, b) 12 procedures based on the use of the reference washing machine Type B: vertical axis, top-loading agitator type, and c) 7 procedures based on the use of the reference washing machine Type C: vertical axis, top-loading pulsator type. 1.3 Each washing procedure represents a single domestic wash. 1.4 This document also specifies six drying procedures: line dry, line drip dry, flat dry, flat drip dry, flat press, and tumble dry. 1.5 A complete test consists of a washing and drying procedure. NOTE Use of different parameters (washing machine type, detergent type and type of tumble dryer) can affect test results for any test using this document.

Keel: en
Alusdokumendid: ISO 6330:2021; EN ISO 6330:2021
Asendab dokumenti: EVS-EN ISO 6330:2012

61 RÕIVATÖÖSTUS

EVS-EN ISO 16189:2021

Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylformamide in footwear materials (ISO 16189:2021)

This document specifies a method to determine the amounts of dimethylformamide (DMF) in footwear and footwear components containing polyurethane (PU) coated material. NOTE 1 In the footwear industry, when PU is injected (reaction moulded), this process does not require the use of DMF. For PU coated material, the use of DMF is possible. NOTE 2 Several abbreviations can be used for dimethylformamide DMF, DMFa, DMFo. This document uses DMF. ISO/TR 16178:2021, Table 1 defines which materials are concerned by this determination.

Keel: en
Alusdokumendid: ISO 16189:2021; EN ISO 16189:2021
Asendab dokumenti: CEN ISO/TS 16189:2013

EVS-EN ISO 21061:2021

Footwear - Chemical tests - General principles on the preparation of samples (ISO 21061:2021)

This European Standard specifies preparation of samples for footwear and footwear components to carry out chemical tests. This International Standard is applicable to all types of footwear and footwear components. These are general conditions unless otherwise stated in the corresponding test method or product requirements.

Keel: en
Alusdokumendid: ISO 21061:2021; EN ISO 21061:2021

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15553:2021

Petroleum products and related materials - Determination of hydrocarbon types - Fluorescent indicator adsorption method

This document specifies a fluorescent indicator adsorption method for the determination of hydrocarbon types over the concentration ranges from 5 % (V/V) to 99 % (V/V) aromatic hydrocarbons, 0,3 % (V/V) to 55 % (V/V) olefins, and 1 % (V/V) to 95 % (V/V) saturated hydrocarbons in petroleum fractions that distil below 315 °C. This method can apply to concentrations outside these ranges, but the precision has not been determined. When samples containing oxygenated blending components are analysed, the hydrocarbon type results can be reported on an oxygenate-free basis or, when the oxygenate content is known, the results can be corrected to a total-sample basis. This test method is applicable to full boiling range products. Cooperative data have established that the precision statement does not apply to petroleum fractions with narrow boiling ranges near the 315 °C limit. Such samples are not eluted properly, and results are erratic. It does not apply to samples containing dark-coloured components that interfere with reading the chromatographic bands that cannot be analysed. NOTE 1 The oxygenated blending components methanol, ethanol, tert-butyl methyl ether (MTBE), methyl tert-pentyl ether (TAME) and tert-butyl ethyl ether (ETBE) do not interfere with the determination of hydrocarbon types at concentrations normally found in commercial petroleum blends. These oxygenated compounds are not detected since they elute with the alcohol desorbent. The effects of other oxygenated compounds are individually verified. NOTE 2 For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent respectively the mass fraction and the volume fraction. WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: D1319; EN 15553:2021
Asendab dokumenti: EVS-EN 15553:2007

EVS-EN ISO 19901-5:2021

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 5: Weight management (ISO 19901-5:2021)

This document specifies requirements for managing and controlling the weight and centre of gravity (CoG) of offshore facilities by means of mass management during all lifecycle phases including; conceptual design, front end engineering design (FEED), detail engineering, construction and operations. These can be new facilities (greenfield) or modifications to existing facilities (brownfield). Weight management is necessary throughout operations, decommissioning and removal to facilitate structural integrity management (SIM). The provisions of this document are applicable to fixed and floating facilities of all types. Weight management only includes items with static mass. Snow and ice loads are excluded as they are not considered to be part of the facility. Dynamic loads are addressed in ISO 19904-1, ISO 19901-6 and ISO 19901-7. This document specifies: a) requirements for managing and controlling weights and CoGs of assemblies and entire facilities; b) requirements for managing weight and CoG interfaces; c) standardized terminology for weight and CoG estimating and reporting; d) requirements for determining not-to-exceed (NTE) weights and budget weights; e) requirements for weighing and determination of weight and centre of gravity (CoG) of tagged equipment, assemblies, modules and facilities; This document can be used: f) as a basis for costing, scheduling or determining suitable construction method(s) or location(s) and installation strategy; g) as a basis for planning, evaluating and preparing a weight management plan and reporting system; h) as a contract reference; i) as a means of refining the structural analysis or model.

Keel: en
Alusdokumendid: ISO 19901-5:2021; EN ISO 19901-5:2021

Asendab dokumenti: EVS-EN ISO 19901-5:2016

EVS-EN ISO 20675:2021

Biogas - Biogas production, conditioning, upgrading and utilization - Terms, definitions and classification scheme (ISO 20675:2018)

This document defines terms and describes classifications related to biogas production by anaerobic digestion, gasification from biomass and power to gas from biomass sources, biogas conditioning, biogas upgrading and biogas utilization from a safety, environmental, performance and functionality perspective, during the design, manufacturing, installation, construction, testing, commissioning, acceptance, operation, regular inspection and maintenance phases. Biogas installations are, among others, applied at industrial plants like food and beverage industries, waste water treatment plants, waste plants, landfill sites, small scale plants next to agricultural companies and small scale household installations. The following topics are excluded from this document: — boilers, burners, furnaces and lightening, in case these are not specifically applied for locally produced biogas; — gas-fuelled engines for vehicles and ships; — the public gas grid; — specifications to determine biomethane quality; — transportation of compressed or liquefied biogas; — transportation of biomass or digestate; — assessment and determination whether biomass is sourced sustainably or not. This document describes the following for information purposes as well: — the parameters to determine the size (e.g. small, medium-sized, or large scale); — the parameters to determine the type of installation (e.g. domestic, industrial); — the parameters to describe the type of technique; — terms and processes in order to develop health, safety and environmental protection guidelines for biogas installations. NOTE For an explanation of the Scope, see Annex A.

Keel: en
Alusdokumendid: ISO 20675:2018; EN ISO 20675:2021

EVS-EN ISO 6368:2021

Petroleum, petrochemical and natural gas industries - Dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders (ISO 6368:2021)

This document is applicable to dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders as described in ISO 10439 (all parts), ISO 10440-1 and ISO 10440-2. Although intended for use primarily in oil refineries, it is also applicable to petrochemical facilities, gas plants, liquefied natural gas (LNG) facilities and oil and gas production facilities. The information provided is designed to aid in the selection of the system that is most appropriate for the risks and circumstances involved in various installations. This document does not apply to other types of shaft seals such as clearance seals, restrictive ring seals or oil seals. This document is a supplement to API Std 692, 1st edition (2018), the requirements of which are applicable with the exceptions specified in this document.

Keel: en
Alusdokumendid: ISO 6368:2021; EN ISO 6368:2021
Asendab dokumenti: EVS-EN ISO 10438-4:2008

77 METALLURGIA

EVS-EN 10253-2:2021

Põkk-keevitusega toruliitmikud. Osa 2: Erijärelevalvenõuetega legeerimata ja ferriitsed legeerterased
Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

See dokument spetsifitseerib tehnilised tarnenõuded õmbluseta ja keevitatud liitmikele (põlved, kontsentrilised ja ekstsentrilised siirdmikud, võrdsed ja kitsama haruga kolmikud, otsakud), mis on valmistatud süsinik- ja legeerterasest kahes katsekategoorias ning on ette nähtud kasutamiseks surve all, toatemperatuuril, madalal temperatuuril või kõrgendatud temperatuuril, vedelike ja gaaside edastamiseks ja jaotamiseks. Standard spetsifitseerib: a) liitmike tüübi: tüüp A: põkk-keevitatavad liitmikud, vähendatud rõhuteguriga; tüüp B: põkk-keevitatavad liitmikud kasutamiseks täistöörõhul; b) terasklassid ja nende keemilised koostised; c) mehaanilised omadused; d) mõõtmed ja tolerantsid; e) nõuded järelevalvele ja katsetamisele; f) järelevalvedokumendid; g) märgistamise; h) kaitsmise ja pakendamise. MÄRKUS Sobiva liitmiku (materjal, paksus) valiku eest vastutab lõppkokkuvõttes surveseadme tootja (vt surveseadmete Euroopa õigusaktid). Materjalide ühtlustatud tugistandardite puhul piirdub põhilistele ohutusnõuetele vastavuse eeldus standardis esitatud materjalide tehniliste andmetega ega tähenda seda, et materjal sobib konkreetsele seadmele. Seetõttu tuleb materjalistandardis esitatud tehnilisi andmeid hinnata kõnealuse seadme konstruktsioonile esitatavate nõuete alusel, et tagada surveseadmete direktiivi (PED) põhiliste ohutusnõuete järgimine.

Keel: en, et
Alusdokumendid: EN 10253-2:2021
Asendab dokumenti: EVS-EN 10253-2:2007

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-5:2021

Plastics - Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites (ISO 527-5:2021)

This document specifies the test conditions for the determination of the tensile properties of unidirectional fibre-reinforced plastic composites, based upon the general principles given in ISO 527-1. NOTE Isotropic and orthotropic reinforced materials are covered by ISO 527-4. The methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus, Poisson's ratios and other aspects of the tensile stress-strain relationship under the conditions

defined. The test method is suitable for all polymer matrix systems reinforced with unidirectional fibres and which meet the requirements, including failure mode, set out in this document. The method is suitable for composites with either thermoplastic or thermosetting matrices, including preimpregnated materials (prepregs). The reinforcements covered include carbon fibres, glass fibres, aramid fibres and other similar fibres. The reinforcement geometries covered include unidirectional (i.e. completely aligned) fibres and rovings and unidirectional fabrics and tapes. The method is not normally suitable for multidirectional materials composed of several unidirectional layers at different angles (see ISO 527-4).

Keel: en
Alusdokumendid: ISO 527-5:2021; EN ISO 527-5:2021
Asendab dokumenti: EVS-EN ISO 527-5:2010

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12158-1:2021

Ehituse kaubatõstukid. Osa 1: Ligipääsetavate platvormidega tõstukid
Builders' hoists for goods - Part 1: Hoists with accessible platforms

1.1 This document deals with power-operated temporarily installed builder’s hoists (referred to as "hoists" in this document) intended for use by persons who are permitted to enter sites of engineering and construction, serving landing levels, having a load-carrying device: - designed for the transportation of goods only; - guided; - travelling vertically or along a path within 15° max. of the vertical; - supported or sustained by drum-driven wire rope, chain, rack and pinion or an expanding linkage mechanism; - where masts, when erected, may or may not require support from separate structures; - which permits the access of instructed persons during loading and unloading; - which are driven by appointed persons; - which permits, if necessary, during erection, dismantling, maintenance and inspection, the access and travel by persons who are competent and authorized. 1.2 The document deals with the significant hazards, hazardous situations or hazardous events relevant to such equipment as listed in Annex C which arise during the various phases in the life of such equipment and describes methods for the elimination or reduction of these hazards when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. 1.3 This document does not specify the additional requirements for: - hydraulic installations; - operation in severe conditions (e.g. extreme climates, strong magnetic fields); - lightning protection; - operation subject to special rules (e.g. potentially explosive atmospheres); - electromagnetic compatibility (emission, immunity); - handling of loads the nature of which could lead to dangerous situations (e.g. molten metal, acids/bases, radiating materials, fragile loads); - the use of combustion engines; - the use of remote controls; - hazards occurring during manufacture; - hazards occurring as a result of mobility; - hazards occurring as a result of being erected over a public road; - earthquakes; - noise; - ergonomics; - fixed guards; - operator intervention. 1.4 This document is not applicable to: - builder’s hoists for persons and materials; - lifts according to EN 81-3:2000+A1:2008 and EN 81-20:2020; - inclined hoists according to EN 12158 2:2000+A1:2010; - work cages suspended from lifting appliances; - work platforms carried on the forks of fork trucks; - transport platforms according to EN 16719:2018; - work platforms; - funiculars; - lifts specially designed for military purposes; - mine lifts; - theatre elevators; - special purpose lifts. 1.5 This document deals with the hoist installation. It includes the base frame and base enclosure but excludes the design of any concrete, hard core, timber or other foundation arrangement. It includes the design of mast ties but excludes the design of anchorage bolts to the supporting structure. It includes the landing gates and their frames but excludes the design of any anchorage fixing bolts to the supporting structure. 1.6 This document is not applicable to builders' hoists for goods (hoists with accessible platforms) manufactured before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: EN 12158-1:2021
Asendab dokumenti: EVS-EN 12158-1:2006+A1:2010

EVS-EN 12320:2021

Building hardware - Padlocks and padlock fittings - Requirements and test methods

This document applies to mechanical padlocks and padlock fittings used on buildings and general use and specifies the test methods to be used. This document specifies performance and other requirements for strength, security, durability, performance, and corrosion resistance of padlocks. It establishes one category of use, two categories of durability, six categories for corrosion resistance and six grades for security based on performance tests that simulate attack. Limited manual attack testing is included in this document because the machine testing does not replicate all known manual attacks.

Keel: en
Alusdokumendid: EN 12320:2021
Asendab dokumenti: EVS-EN 12320:2012

EVS-EN 13757-1:2021

Communication systems for meters - Part 1: Data exchange

This document specifies data exchange and communications for meters in a generic way. This document establishes a protocol specification for the Application Layer for meters and establishes several protocols for meter communications which can be applied depending on the application being fulfilled. This document also specifies the overall structure of the Object Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. NOTE Electricity meters are not covered by this document, as the standardization of remote readout of electricity meters is a task for CENELEC/IEC.

Keel: en
Alusdokumendid: EN 13757-1:2021
Asendab dokumenti: EVS-EN 13757-1:2014

EVS-EN 1529:2021

Door leaves - Height, width, thickness and squareness - Tolerance classes

This document gives the tolerance limits for specified dimensions of height, width and thickness, and for squareness of door leaves. It applies to door leaves which are supplied without, and independent of, any frames. It does not apply to the leaves of doorsets. NOTE Compliance with the tolerance limits given in this document does not imply that this would necessarily produce a perfect fit between door leaves and frames

Keel: en
Alusdokumendid: EN 1529:2021
Asendab dokumenti: EVS-EN 1529:2000

93 RAJATISED

CEN/TS 17693-1:2021

Earthworks - Soil treatment tests - Part 1: pH-test for determination of the lime requirement of soils for stabilization (Lime Fixation Point LFP, Lime Modification Optimum LMO)

This document describes the reference method for the determination of the lime fixation point (LFP) in soil treatment for earthworks. The test consists in measuring the lowest quantity of lime to be added in a soil suspension in water that will result in a pH value of the soil-lime mix suspension of 12,4, measured at 25 °C ± 1 °C. This test method cannot be used to provide information about soil reactivity with lime, or other performance values (mechanical characteristics of soil-lime mixes) applicable for improvement or stabilization purposes. Those performance tests will be conducted in a laboratory from a specific study, the lime dosage to be applied being indicated from this method.

Keel: en
Alusdokumendid: CEN/TS 17693-1:2021

CEN/TS 17693-2:2021

Earthworks - Soil treatment tests - Part 2: Test of evaluation of the aptitude of a dry material to emit dust

This document describes the reference method for the determination of the Index of dust emission (IDE) in soil treatment for earthworks. This test concerns more particularly: - limes in conformity with EN 459-1, Building lime - Part 1: Definitions, specifications and conformity criteria; - cements in conformity with EN 197-1, Cement - Part 1: Composition, specifications and conformity criteria for common cements; - road binders in conformity with EN 13282-1, Hydraulic road binders - Part 1: Rapid hardening hydraulic road binders - Composition, specifications and conformity criteria; - road binders in conformity with EN 13282-2, Hydraulic road binders - Part 2: Normal hardening hydraulic road binders - Composition, specifications and conformity criteria; - fly ashes in conformity with EN 14227-4, Hydraulically bound mixtures - Specifications - Part 4: Fly ash for hydraulically bound mixtures; - siliceous fly ashes in conformity with EN 450-1, Fly ash for concrete - Part 1: Definition, specifications and conformity criteria; - ground-granulated blastfurnace slag in conformity with EN 15167-1, Ground granulated blast furnace slag for use in concrete, mortar and grout - Part 1: Definitions, specifications and conformity criteria.

Keel: en
Alusdokumendid: CEN/TS 17693-2:2021

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 13089:2011+A2:2021

Mägironimisvarustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Ice-tools - Safety requirements and test methods

This European Standard specifies safety requirements and test methods for ice-tools for use in mountaineering including climbing, and as a buried anchor for protection against falls.

Keel: en
Alusdokumendid: EN 13089:2011+A2:2021
Asendab dokumenti: EVS-EN 13089:2011+A1:2015

EVS-EN 17435:2021

Surfaces for sports areas - Test method for the determination of Head Injury Criterion (HIC) and Critical Fall Height (CFH)

This document specifies test methods for measuring the impact attenuation of sports surfaces. Three different methods are specified. In Procedure A, a series of tests are undertaken from differing drop heights and the HIC values are plotted, and the Critical Fall Height determined. In Procedure B, a single test is undertaken from differing drop heights and the HIC values are plotted, and the Critical Fall Height determined. In Procedure C a series of tests are made at a fixed drop height and the maximum value of HIC is calculated. This test method is primarily intended for use on both natural and synthetic turf sport surfaces. It may be carried out in a laboratory on test specimens or in situ on installed sports surfaces. This test method may not be suitable for sports surfaces covered by EN 14904.

Keel: en
Alusdokumendid: EN 17435:2021

EVS-EN 1949:2021

Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles

This document specifies the requirements for the installation of liquefied petroleum gas systems for habitation purposes in leisure accommodation vehicles and for accommodation purposes in other vehicles. It details health and safety requirements on: — the selection of materials; — components and appliances; — design considerations; — tightness testing of installations; — the contents of the user's handbook. This document only covers installations supplied with 3rd family gases (LPG). It does not cover: — water connections or electrical power supplies to the appliance(s); — portable appliances, incorporating their own LPG supply; — the installation of LPG appliances to be used for commercial purposes; — LPG installations on boats; — LPG supply equipment and LPG appliances separate from and external to the body of the vehicle. This document covers LPG tanks fulfilling the requirements of the Pressure Equipment Directive (2014/68/EU). Attention is drawn to the Pressure Equipment Directive (2014/68/EU) for any parts of the installation operating above 0,5 bar.

Keel: en
Alusdokumendid: EN 1949:2021
Asendab dokumenti: EVS-EN 1949:2011+A1:2013

EVS-EN 50090-6-2:2021

Home and Building Electronic Systems (HBES)- Part 6-2 IoT Semantic Ontology model description

This document defines the HBES Information Model and a corresponding data exchange format for the Home and Building HBES Open Communication System.

Keel: en
Alusdokumendid: EN 50090-6-2:2021

EVS-EN IEC 60335-2-29:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

IEC 60335-2-29:2016 deals with the safety of electric battery chargers for household and similar use having an output not exceeding 120 V ripple-free direct current, their rated voltage being not more than 250 V. Battery chargers intended for charging batteries in a household end use application outside the scope of the IEC 60335 series of standards are within the scope of this standard. Requirements for battery chargers for use by children at least 8 years old without supervision are given in Annex AA. Battery chargers not intended for normal household use, but which nevertheless may be a source of danger to the public, such as battery chargers intended for use in garages, shops, light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to built-in: - battery chargers, except those for installing in caravans and similar vehicles; - battery chargers that are part of an appliance, the battery of which is not accessible to the user; - battery chargers intended exclusively for industrial purposes; - battery chargers intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); - battery chargers for emergency lighting or supply units for electronic equipment. This fifth edition cancels and replaces the fourth edition published in 2002 including its Amendment 1 (2004) and its Amendment 2 (2009). It constitutes a technical revision. The principal changes in this edition as compared with the fourth edition of IEC 60335-2-29 are as follows (minor changes are not listed): - Revised the drop test to refer to IEC 60068-2-31 (21.101); - Requirements for supply cords on battery chargers used at low temperatures (25.7); - Requirements for battery chargers having an output voltage exceeding SELV have been added (1, 3.2.2, 3.4.3, 10.101, 24.4, 25.5, 25.7, 25.8, 25.15. 26.5); - A classification for battery chargers used outdoors has been added (6.2, 29.2) and some notes in Clause 1, Subclauses 7.1 and 22.102, Figure 101 and Annex AA 11.8 have been converted to normative text. It was established on the basis of the fifth edition (2010) of that standard. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en
Alusdokumendid: IEC 60335-2-29:2016; EN IEC 60335-2-29:2021
Asendab dokumenti: EVS-EN 60335-2-29:2004
Asendab dokumenti: EVS-EN 60335-2-29:2004/A11:2018
Asendab dokumenti: EVS-EN 60335-2-29:2004/A2:2010

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

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-29: Erinõuded akulaaduritele Household and similar electrical appliances - Safety - Part 2-29 - Particular requirements for battery chargers

This European Standard deals with the safety of electric battery chargers for household use having an output at safety extra-low voltage, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-29:2016/A1:2019; EN IEC 60335-2-29:2021/A1:2021
Muudab dokumenti: EVS-EN IEC 60335-2-29:2021

EVS-EN IEC 60730-2-14:2019/A2:2021

Elektrilised automaatjuhtimisseadmed. Osa 2-14: Erinõuded elektrilistele aktivaatoritele
Automatic electrical controls - Part 2-14: Particular requirements for electric actuators

Amendment to EN IEC 60730-2-14:2019

Keel: en
Alusdokumendid: IEC 60730-2-14:2017/AMD2:2021; EN IEC 60730-2-14:2019/A2:2021
Muudab dokumenti: EVS-EN IEC 60730-2-14:2019

EVS-EN IEC 60730-2-8:2020/A1:2021

Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements

Amendment to EN IEC 60730-2-8:2020

Keel: en
Alusdokumendid: IEC 60730-2-8:2018/AMD1:2021; EN IEC 60730-2-8:2020/A1:2021
Muudab dokumenti: EVS-EN IEC 60730-2-8:2020

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO/ASTM 52900:2017

Additive manufacturing - General principles - Terminology (ISO/ASTM 52900:2015)

Keel: en
Alusdokumendid: ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017
Asendatud järgmise dokumendiga: EVS-EN ISO/ASTM 52900:2021
Standardi staatus: Kehtetu

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

EVS-EN 15528:2015

Raudteealased rakendused. Raudteeveeremi teljekoormust ja infrastruktuuri ühilduvust reguleerivad raudteelõikude kategooriad
Railway applications - Line categories for managing the interface between load limits of vehicles and infrastructure

Keel: en
Alusdokumendid: EN 15528:2015
Asendatud järgmise dokumendiga: EVS-EN 15528:2021
Standardi staatus: Kehtetu

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 20836:2005

Microbiology of food and animal feeding stuffs - Polmerase chain reaction (PCR) for the detection of food-borne pathogens - Performance testing for thermal cyclers

Keel: en
Alusdokumendid: ISO/TS 20836:2005; CEN ISO/TS 20836:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 20836:2021
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 5832-3:2016

Implantaadid kirurgias. Metallmaterjalid. Osa 3: Sepistatud titaani, alumiiniumi (6 %) ja vanaadiumi (4 %) sulam
Implants for surgery - Metallic materials - Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2016)

Keel: en
Alusdokumendid: ISO 5832-3:2016; EN ISO 5832-3:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 5832-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 9680:2014

Dentistry - Operating lights (ISO 9680:2014)

Keel: en
Alusdokumendid: ISO 9680:2014; EN ISO 9680:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 9680:2021
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 60695-2-10:2013

Tuleohukatsetused. Osa 2-10: Hõõg- või kuumtraadil põhinevad katsetusmeetodid. Hõõgtraatseade ja tavakatseprotseduur
Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure (IEC 60695-2-10:2013)

Keel: en
Alusdokumendid: IEC 60695-2-10:2013; EN 60695-2-10:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-10:2021
Standardi staatus: Kehtetu

EVS-EN 60695-2-11:2014

Tuleohukatsetused. Osa 2-11: Hõõg- või kuumtraadil põhinevad katsetusmeetodid. Valmistoodete hõõgtraadikatsetus süttivusele
Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)

Keel: en
Alusdokumendid: IEC 60695-2-11:2014; EN 60695-2-11:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-11:2021
Standardi staatus: Kehtetu

EVS-EN 60695-7-2:2011

Fire hazard testing - Part 7-2: Toxicity of fire effluent - Summary and relevance of test methods

Keel: en
Alusdokumendid: IEC 60695-7-2:2011; EN 60695-7-2:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-7-2:2021
Standardi staatus: Kehtetu

EVS-EN 62484:2015

Radiation protection instrumentation - Spectroscopy-based portal monitors used for the detection and identification of illicit trafficking of radioactive material

Keel: en
Alusdokumendid: IEC 62484:2010; EN 62484:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62484:2021
Standardi staatus: Kehtetu

EVS-EN ISO 9241-20:2009

Ergonomics of human-system interaction - Part 20: Accessibilityguidelines for information/communication technology (ICT)equipment and services

Keel: en
Alusdokumendid: ISO 9241-20:2008; EN ISO 9241-20:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-20:2021
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 61557-1:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements (IEC 61557-1:2007)

Keel: en, et
Alusdokumendid: IEC 61557-1:2007; EN 61557-1:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-1:2021
Standardi staatus: Kehtetu

EVS-EN 61557-2:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance (IEC 61557-2:2007)

Keel: en, et
Alusdokumendid: IEC 61557-2:2007; EN 61557-2:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-2:2021
Standardi staatus: Kehtetu

EVS-EN 61557-4:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-342007)

Keel: en, et
Alusdokumendid: IEC 61557-4:2007; EN 61557-4:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-4:2021
Standardi staatus: Kehtetu

EVS-EN 61557-5:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth (IEC 61557-5:2007)

Keel: en, et
Alusdokumendid: IEC 61557-5:2007; EN 61557-5:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-5:2021
Standardi staatus: Kehtetu

EVS-EN 61557-6:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparaatide tõhusus TT-, TN- ja IT-süsteemides
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2007)

Keel: en, et
Alusdokumendid: IEC 61557-6:2007; EN 61557-6:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-6:2021
Standardi staatus: Kehtetu

EVS-EN ISO 748:2007

Hydrometry - Measurement of liquid flow in open channels using current-meters or floats

Keel: en
Alusdokumendid: ISO 748:2007; EN ISO 748:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 748:2021
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 10253-2:2007

Põkk-keevitusega toruliitmikud. Osa 2: Spetsiifiliste järelevalvenõuetega legeerimata ja ferriitterased
Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

Keel: en
Alusdokumendid: EN 10253-2:2007
Asendatud järgmise dokumendiga: EVS-EN 10253-2:2021
Standardi staatus: Kehtetu

EVS-EN 13121-1:2003

GRP paagid ja anumad kasutamiseks ülalpool maapinda. Osa 1: Toormaterjalid. täpsustustingimused ja aktsepteerimistingimused
GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions

Keel: en
Alusdokumendid: EN 13121-1:2003
Asendatud järgmise dokumendiga: EVS-EN 13121-1:2021
Standardi staatus: Kehtetu

EVS-EN 26801:1999
Kummist või plastist voolikud. Mahtpaisumise kindlaksmääramine
Rubber or plastics hoses - Determination of volumetric expansion

Keel: en
Alusdokumendid: ISO 6801:1983; EN 26801:1993
Asendatud järgmise dokumendiga: EVS-EN ISO 6801:2021
Muudetud järgmise dokumendiga: EVS-EN 26801:1999/A1:2011
Standardi staatus: Kehtetu

EVS-EN 26801:1999/A1:2011
Rubber or plastics hoses - Determination of volumetric expansion - Amendment 1: Deletion of alcohol as pressurizing fluid (ISO 6801:1983/Amd 1:2011)

Keel: en
Alusdokumendid: ISO 6801:1983/Amd 1:2011; EN 26801:1993/A1:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 6801:2021
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 60974-10:2014
Kaarkeevitusseadmed. Osa 10: Elektromagnetilise ühilduvuse nõuded
Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements

Keel: en
Alusdokumendid: IEC 60974-10:2014; EN 60974-10:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60974-10:2021
Muudetud järgmise dokumendiga: EVS-EN 60974-10:2014/A1:2015
Standardi staatus: Kehtetu

EVS-EN 60974-10:2014/A1:2015
Kaarkeevitusseadmed. Osa 10: Elektromagnetilise ühilduvuse nõuded
Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements

Keel: en
Alusdokumendid: IEC 60974-10:2014/A1:2015; EN 60974-10:2014/A1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60974-10:2021
Standardi staatus: Kehtetu

EVS-EN 62135-2:2015
Takistuskeevitusseadmed. Osa 2: Elektromagnetilise ühilduvuse nõuded
Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements

Keel: en
Alusdokumendid: IEC 62135-2:2015; EN 62135-2:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62135-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 15614-13:2012
Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 13: Upset (resistance butt) and flash welding (ISO 15614-13:2012)

Keel: en
Alusdokumendid: ISO 15614-13:2012; EN ISO 15614-13:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 15614-13:2021
Standardi staatus: Kehtetu

EVS-EN ISO/ASTM 52900:2017
Additive manufacturing - General principles - Terminology (ISO/ASTM 52900:2015)

Keel: en
Alusdokumendid: ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017
Asendatud järgmise dokumendiga: EVS-EN ISO/ASTM 52900:2021
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 12976-1:2017
Päikeseküttesüsteemid ja komponendid. Tehases valmistatud süsteemid. Osa 1: Üldnõuded

Thermal solar systems and components - Factory made systems - Part 1: General requirements

Keel: en
Alusdokumendid: EN 12976-1:2017
Asendatud järgmise dokumendiga: EVS-EN 12976-1:2021
Standardi staatus: Kehtetu

EVS-EN 60891:2010

Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics

Keel: en
Alusdokumendid: IEC 60891:2009; EN 60891:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60891:2021
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60335-2-29:2004

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: IEC 60335-2-29:2002 + A1:2004; EN 60335-2-29:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-29:2004/A11:2018
Muudetud järgmise dokumendiga: EVS-EN 60335-2-29:2004/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-29:2004/A11:2018

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: EN 60335-2-29:2004/A11:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-29:2004/A2:2010

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: IEC 60335-2-29:2002/A2:2009; EN 60335-2-29:2004/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
Standardi staatus: Kehtetu

EVS-EN 60695-2-10:2013

Tuleohukatsetused. Osa 2-10: Hõõg- või kuumtraadil põhinevad katsetusmeetodid. Hõõgtraatseade ja tavakatseprotseduur
Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure (IEC 60695-2-10:2013)

Keel: en
Alusdokumendid: IEC 60695-2-10:2013; EN 60695-2-10:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-10:2021
Standardi staatus: Kehtetu

EVS-EN 60695-2-11:2014

Tuleohukatsetused. Osa 2-11: Hõõg- või kuumtraadil põhinevad katsetusmeetodid. Valmistoodete hõõgtraadikatsetus süttivusele
Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)

Keel: en
Alusdokumendid: IEC 60695-2-11:2014; EN 60695-2-11:2014

Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-11:2021
Standardi staatus: Kehtetu

EVS-EN 60695-5-1:2003

Fire hazard testing Part 5-1: Corrosion damage effects of fire effluent - General guidance

Keel: en
Alusdokumendid: IEC 60695-5-1:2002; EN 60695-5-1:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-5-1:2021
Standardi staatus: Kehtetu

EVS-EN 60695-7-2:2011

Fire hazard testing - Part 7-2: Toxicity of fire effluent - Summary and relevance of test methods

Keel: en
Alusdokumendid: IEC 60695-7-2:2011; EN 60695-7-2:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-7-2:2021
Standardi staatus: Kehtetu

EVS-EN 61557-1:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements (IEC 61557-1:2007)

Keel: en, et
Alusdokumendid: IEC 61557-1:2007; EN 61557-1:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-1:2021
Standardi staatus: Kehtetu

EVS-EN 61557-2:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance (IEC 61557-2:2007)

Keel: en, et
Alusdokumendid: IEC 61557-2:2007; EN 61557-2:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-2:2021
Standardi staatus: Kehtetu

EVS-EN 61557-4:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-342007)

Keel: en, et
Alusdokumendid: IEC 61557-4:2007; EN 61557-4:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-4:2021
Standardi staatus: Kehtetu

EVS-EN 61557-5:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth (IEC 61557-5:2007)

Keel: en, et
Alusdokumendid: IEC 61557-5:2007; EN 61557-5:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-5:2021
Standardi staatus: Kehtetu

EVS-EN 61557-6:2007

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparaatide tõhusus TT-, TN- ja IT-süsteemides
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2007)

Keel: en, et
Alusdokumendid: IEC 61557-6:2007; EN 61557-6:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 61557-6:2021
Standardi staatus: Kehtetu

EVS-EN 61914:2016

Elektripaigaldiste kaabliklambrid
Cable cleats for electrical installations

Keel: en
Alusdokumendid: EN 61914:2016; IEC 61914:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61914:2021
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 13757-1:2014

Communication systems for meters - Part 1: Data exchange

Keel: en
Alusdokumendid: EN 13757-1:2014
Asendatud järgmise dokumendiga: EVS-EN 13757-1:2021
Standardi staatus: Kehtetu

EVS-EN 61970-452:2017

Energy management system application program interface (EMS-API) - Part 452: CIM static transmission network model profiles

Keel: en
Alusdokumendid: IEC 61970-452:2017; EN 61970-452:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61970-452:2021
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN 13757-1:2014

Communication systems for meters - Part 1: Data exchange

Keel: en
Alusdokumendid: EN 13757-1:2014
Asendatud järgmise dokumendiga: EVS-EN 13757-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 9241-20:2009

Ergonomics of human-system interaction - Part 20: Accessibilityguidelines for information/communication technology (ICT)equipment and services

Keel: en
Alusdokumendid: ISO 9241-20:2008; EN ISO 9241-20:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 9241-20:2021
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 1949:2011+A1:2013

Vedelgaasisüsteemide paigaldusnõuded majapidamiseks eluruumiga vabaajasõidukites ja majapidamise tarbeks teistes sõidukites
Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles

Keel: en
Alusdokumendid: EN 1949:2011+A1:2013

Asendatud järgmise dokumendiga: EVS-EN 1949:2021
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 14601:2005+A1:2010

Raudteealased rakendused. Piduri- ja õhupaakide sirge ja kaldotsaga otsakorgid KONSOLIDEERITUD TEKST
Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 14601:2005+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 14601:2005+A2:2021
Standardi staatus: Kehtetu

EVS-EN 15528:2015

Raudteealased rakendused. Raudteeveeremi teljekoormust ja infrastruktuuri ühilduvust reguleerivad raudteelõikude kategooriad
Railway applications - Line categories for managing the interface between load limits of vehicles and infrastructure

Keel: en
Alusdokumendid: EN 15528:2015
Asendatud järgmise dokumendiga: EVS-EN 15528:2021
Standardi staatus: Kehtetu

EVS-EN 50215:2009

Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service

Keel: en
Alusdokumendid: EN 50215:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61133:2021
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 6330:2012

Tekstiil - Koduse pesemise ja kuivatamise menetlused tekstiili testimisel (ISO 6330:2012)
Textiles - Domestic washing and drying procedures for textile testing (ISO 6330:2012)

Keel: en
Alusdokumendid: ISO 6330:2012; EN ISO 6330:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 6330:2021
Standardi staatus: Kehtetu

61 RÕIVATÖÖSTUS

CEN ISO/TS 16189:2013

Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylformamide in footwear materials (ISO/TS 16189:2013)

Keel: en
Alusdokumendid: ISO/TS 16189:2013; CEN ISO/TS 16189:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 16189:2021
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15553:2007

Petroleum products and related materials - Determination of hydrocarbon types - Fluorescent indicator adsorption method

Keel: en
Alusdokumendid: EN 15553:2007
Asendatud järgmise dokumendiga: EVS-EN 15553:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10438-4:2008

Petroleum, petrochemical and natural gas industries - Lubrication, shaft-sealing and control-oil systems and auxiliaries - Part 4: Self-acting gas seal support systems

Keel: en
Alusdokumendid: ISO 10438-4:2007; EN ISO 10438-4:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 6368:2021
Standardi staatus: Kehtetu

EVS-EN ISO 19901-5:2016

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 5: Weight control during engineering and construction (ISO 19901-5:2016)

Keel: en
Alusdokumendid: ISO 19901-5:2016; EN ISO 19901-5:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 19901-5:2021
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 10253-2:2007

Põkk-keevitusega toruliitmikud. Osa 2: Spetsiifiliste järelevalvenõuetega legeerimata ja ferriitterased
Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

Keel: en
Alusdokumendid: EN 10253-2:2007
Asendatud järgmise dokumendiga: EVS-EN 10253-2:2021
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 527-5:2010

Plastid. Tõmbeomaduste määramine. Osa 5: Orienteerimata kiudarmatuuriga plastkomposiitide katsetingimused
Plastics - Determination of tensile properties - Part 5: Test conditions for unidirectional fibre-reinforced plastic composites

Keel: en
Alusdokumendid: ISO 527-5:2009; EN ISO 527-5:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 527-5:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12158-1:2006+A1:2010

Ehituse kaubatõstukid. Osa 1: Ligipääsetavate platvormidega tõstukid KONSOLIDEERITUD TEKST
Builders' hoists for goods - Part 1: Hoists with accessible platforms CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 12158-1:2000+A1:2010
Asendatud järgmise dokumendiga: EVS-EN 12158-1:2021
Standardi staatus: Kehtetu

EVS-EN 12320:2012

Building hardware - Padlocks and padlock fittings - Requirements and test methods

Keel: en
Alusdokumendid: EN 12320:2012
Asendatud järgmise dokumendiga: EVS-EN 12320:2021
Standardi staatus: Kehtetu

EVS-EN 1529:2000

Ukselehed. Kõrgus, laius, paksus ja täisnurksus. Tolerantsiklassid
Door leaves - Height, width, thickness and squareness - Tolerance classes

Keel: en, et
Alusdokumendid: EN 1529:1999

Asendatud järgmise dokumendiga: EVS-EN 1529:2021
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 13089:2011+A1:2015

Mägironimise varustus. Abivahendid jää jaoks. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Ice-tools - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 13089:2011+A1:2015
Asendatud järgmise dokumendiga: EVS-EN 13089:2011+A2:2021
Standardi staatus: Kehtetu

EVS-EN 1949:2011+A1:2013

Vedelgaasisüsteemide paigaldusnõuded majapidamiseks eluruumiga vabaajasõidukites ja majapidamise tarbeks teistes sõidukites
Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles

Keel: en
Alusdokumendid: EN 1949:2011+A1:2013
Asendatud järgmise dokumendiga: EVS-EN 1949:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-29:2004

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: IEC 60335-2-29:2002 + A1:2004; EN 60335-2-29:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-29:2004/A11:2018
Muudetud järgmise dokumendiga: EVS-EN 60335-2-29:2004/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-29:2004/A11:2018

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: EN 60335-2-29:2004/A11:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-29:2004/A2:2010

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-29: Erinõuded akulaaduritele
Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers

Keel: en
Alusdokumendid: IEC 60335-2-29:2002/A2:2009; EN 60335-2-29:2004/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-29:2021
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 arvamusküsitlusel oleva kavandi kohta on esitatud alljärgnev informatsioon:
• tähis;
• pealkiri;
• käsitlusala;
• keel (en = inglise; et = eesti);
• Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
• asendusseos, selle olemasolul;
• arvamuste esitamise tähtaeg.

Kavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EN ISO 7010:2020/prA2

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 2 (ISO 7010:2019/Amd 2:2020)

Amendment to EN ISO 7010:2020

Keel: en
Alusdokumendid: ISO 7010:2019/Amd 2:2020; EN ISO 7010:2020/prA2
Muudab dokumenti: EVS-EN ISO 7010:2020
Muudab dokumenti: EVS-EN ISO 7010:2020+A1:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

EN ISO 7010:2020/prA3

Graphical symbols - Safety colours and safety signs - Registered safety signs - Amendment 3 (ISO 7010:2019/Amd 3:2021)

Amendment to EN ISO 7010:2020

Keel: en
Alusdokumendid: ISO 7010:2019/Amd 3:2021; EN ISO 7010:2020/prA3
Muudab dokumenti: EVS-EN ISO 7010:2020
Muudab dokumenti: EVS-EN ISO 7010:2020+A1:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 9288

Thermal insulation - Heat transfer by radiation - Physical quantities and definitions (ISO/DIS 9288:2021)

This document defines physical quantities and other terms in the field of thermal insulation relating to heat transfer by radiation.

Keel: en
Alusdokumendid: ISO/DIS 9288; prEN ISO 9288
Asendab dokumenti: EVS-EN ISO 9288:2006

Arvamusküsitluse lõppkuupäev: 12.02.2022

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

prEN 14434

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of

wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. This document does not apply to technical aspects of connected hardware, such as computers, speakers, video cameras. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (normative) Requirements for Projecting White boards. Annex C (informative) Requirements for Projecting White boards. Annex D (normative) Requirements for interactive systems. Annex E (informative) Requirements for interactive systems. Annex F (normative) Requirements for interactive screens. Annex G (informative) Requirements for interactive screens. Annex H (normative) Surface flatness test. Annex I (informative) Vibration test.

Keel: en
Alusdokumendid: prEN 14434
Asendab dokumenti: EVS-EN 14434:2010

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 15267-2

Air quality - Assessment of air quality monitoring equipment - Part 2: Initial assessment of the manufacturer’s quality management system and post certification surveillance for the manufacturing process

This document specifies the requirements for the manufacturer’s quality management system (QMS), the initial assessment of the manufacturer’s production control and the continuing surveillance of the effect of subsequent changes on the performance of certified air quality monitoring equipment (AQME). This document also serves as a reference document for auditing the manufacturer’s QMS. This document elaborates and supplements the requirements of EN ISO 9001:2015.

Keel: en
Alusdokumendid: prEN 15267-2
Asendab dokumenti: EVS-EN 15267-2:2009

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 17799

Personal data protection requirements for processing operations

This document specifies baseline requirements for demonstrating processing activities compliance with the European personal data protection normative framework in accordance with EN ISO/IEC 17065. It does not however apply to products or management systems destined for processing personal data. This document is applicable to all organizations which, as personal data controllers and/or processors, process personal data, and its objective is to provide a set of requirements enabling such organizations to conform effectively with the European personal data protection normative framework. An organization can decide that the standard is applicable only to a specific subset of its processing activities if such a decision does not involve failure to conform with the European personal data protection normative framework. This document also provides indications for conformity assessment with the aforementioned requirements.

Keel: en
Alusdokumendid: prEN 17799

Arvamusküsitluse lõppkuupäev: 12.02.2022

11 TERVISEHOOLDUS

prEN IEC 60601-2-43:2021

Medical electrical equipment - Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of both FIXED and MOBILE X-RAY EQUIPMENT declared by the MANUFACTURER to be suitable for RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, hereafter referred to as INTERVENTIONAL X-RAY EQUIPMENT. Its scope excludes, in particular: - equipment for RADIOTHERAPY; - equipment for COMPUTED TOMOGRAPHY; - ACCESSORIES intended to be introduced into the PATIENT; - mammographic X-RAY EQUIPMENT; - dental X-RAY EQUIPMENT. NOTE 1 Examples of RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, for which the use of INTERVENTIONAL X-RAY EQUIPMENT complying with this standard is recommended, are given in Annex AA. NOTE 2 Specific requirements for magnetic navigation devices, and for the use of INTERVENTIONAL X-RAY EQUIPMENT in an operating room environment were not considered in this particular standard; therefore no specific requirements have been developed for these devices or uses. In any case, such devices or uses remain under the general clause requirements. NOTE 3 INTERVENTIONAL X-RAY EQUIPMENT, when used for cone-beam CT mode, is covered by this standard and not by IEC 60601-2-44 [2]2. No additional requirements for operation in cone-beam CT mode were identified for this standard (see also Note 4 in 203.6.4.5). INTERVENTIONAL X-RAY EQUIPMENT declared by the MANUFACTURER to be suitable for RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, which does not include a PATIENT SUPPORT as part of the system, is exempt from the PATIENT SUPPORT provisions of this standard. If a clause or subclause is specifically intended to be applicable to INTERVENTIONAL X-RAY EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to INTERVENTIONAL X-RAY EQUIPMENT and to ME SYSTEMS, as relevant. NOTE 4 See also 4.2 of the general standard. The subclauses of this standard supersede IEC 60601-2-54 subclauses. IEC 60601-2-54 applies only with regards to the cited subclauses; non-cited subclauses of IEC 60601-2-54 do not apply.

Keel: en
Alusdokumendid: IEC 60601-2-43 ED3; prEN IEC 60601-2-43:2021
Asendab dokumenti: EVS-EN 60601-2-43:2010
Asendab dokumenti: EVS-EN 60601-2-43:2010/A1:2018
Asendab dokumenti: EVS-EN 60601-2-43:2010/A2:2020

Asendab dokumenti: EVS-EN 60601-2-43:2010/AC:2014
Asendab dokumenti: EVS-EN 60601-2-43:2010+A1:2018
Asendab dokumenti: EVS-EN 60601-2-43:2010+A1+A2:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 23298

Dentistry - Test methods for machining accuracy of computer-aided milling machines (ISO/DIS 23298:2021)

This document specifies the test methods to evaluate the machining accuracy of computer-aided milling machines as a part of dental CAD/CAM systems, which fabricate dental restorations, e.g. inlays, crowns and bridges.

Keel: en
Alusdokumendid: ISO/DIS 23298; prEN ISO 23298

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 5467-2

Dentistry - Mobile dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems (ISO/DIS 5467-2:2021)

This document specifies requirments and test methods for moblie dental units concerning air and water quality.

Keel: en
Alusdokumendid: ISO/DIS 5467-2; prEN ISO 5467-2

Arvamusküsitluse lõppkuupäev: 12.02.2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 13094:2020/prA1

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

This document specifies requirements for the design and construction of metallic gravity-discharge tanks intended for the carriage of substances having a vapour pressure not exceeding 110 kPa (1,1 bar) (absolute pressure) at 50 °C. NOTE 1 Gravity-discharge tanks have no maximum working pressure. However, during operation, pressure in the shell may occur, for example due to flow restrictions in vapour recovery systems or opening pressures of breather devices. It is important that these operating pressures do not exceed the test pressure of the tank or 0,5 bar, whichever is the highest. This document specifies requirements for openings, closures, pipework, mountings for service equipment and structural equipment. NOTE 2 This document does not specify requirements for items of service equipment other than pipes passing through the shell. This document is applicable to aircraft refuelers that are used on public roads. It is also applicable to inter-modal tanks (e.g. tank containers and tank swap bodies) for the transport of dangerous goods by road and rail. NOTE 3 This document is not applicable to fixed rail tank wagons.

Keel: en
Alusdokumendid: EN 13094:2020/prA1
Muudab dokumenti: EVS-EN 13094:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

EN 60335-2-52:2003/prAC:2021

Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for appliances for oral hygiene appliances

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

Keel: en
Alusdokumendid: EN 60335-2-52:2003/prAC:2021
Muudab dokumenti: EN 60335-2-52:2003/prA2
Muudab dokumenti: EVS-EN 60335-2-52:2003

Arvamusküsitluse lõppkuupäev: 12.02.2022

FprEN IEC 60335-2-81:2021/prA2:2021

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

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

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A2:2020; FprEN IEC 60335-2-81:2021/prA2:2021
Muudab dokumenti: FprEN IEC 60335-2-81:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

FprEN IEC 60335-2-81:2021/prAA:2021

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

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

Keel: en
Alusdokumendid: FprEN IEC 60335-2-81:2021/prAA:2021
Muudab dokumenti: FprEN IEC 60335-2-81:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 12255-3

Wastewater treatment plants - Part 3: Preliminary treatment

This document specifies design principles and performance requirements for preliminary wastewater treatment using screens with a mesh size above 50 microns, at plants serving more than 50 PT. NOTE 1 For micro-screens with a mesh size below 50 microns see EN 12255-16. NOTE 2 The primary application of this document is for wastewater treatment plants designed for the treatment of domestic and municipal wastewater. However, it contains information that may also be useful for commercial and industrial wastewater pretreatment and for combined sewer overflows (CSO). This document applies in combination with EN 12255-1 and EN 12255-10.

Keel: en
Alusdokumendid: prEN 12255-3
Asendab dokumenti: EVS-EN 12255-3:2001

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 12259-13

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 13: ESFR sprinklers

This document specifies requirements and test methods for early suppression and fast response (ESFR) sprinklers with a nominal discharge coefficient of 200 (pendent and upright), 240 (pendent and upright), 320 (pendent), 360 (pendent), 400 (pendent) and 480 (pendent) l/min/(bar)1/2.

Keel: en
Alusdokumendid: prEN 12259-13

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 14434

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. This document does not apply to technical aspects of connected hardware, such as computers, speakers, video cameras. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (normative) Requirements for Projecting White boards. Annex C (informative) Requirements for Projecting White boards. Annex D (normative) Requirements for interactive systems. Annex E (informative) Requirements for interactive systems. Annex F (normative) Requirements for interactive screens. Annex G (informative) Requirements for interactive screens. Annex H (normative) Surface flatness test. Annex I (informative) Vibration test.

Keel: en
Alusdokumendid: prEN 14434
Asendab dokumenti: EVS-EN 14434:2010

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 15267-1

Air quality - Assessment of air quality monitoring equipment - Part 1: General principles of certification

This document specifies the general principles of certification, including common procedures and requirements, for the certification of air quality monitoring equipment (AQME). This document applies to the certification of AQME for ambient air quality and emissions from stationary sources for which performance criteria and test procedures are available in European Standards. This document provides for the certification of AQME according to the requirements of EN ISO/IEC 17065:2012. This document elaborates and supplements the requirements of EN ISO/IEC 17065:2012 for bodies certifying AQME. It specifies requirements on testing laboratories as well as the manufacturer’s quality management system (QMS) and the surveillance for the manufacturing process as part of the certification process.

Keel: en
Alusdokumendid: prEN 15267-1
Asendab dokumenti: EVS-EN 15267-1:2009

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 15267-2

Air quality - Assessment of air quality monitoring equipment - Part 2: Initial assessment of the manufacturer's quality management system and post certification surveillance for the manufacturing process

This document specifies the requirements for the manufacturer's quality management system (QMS), the initial assessment of the manufacturer's production control and the continuing surveillance of the effect of subsequent changes on the performance of certified air quality monitoring equipment (AQME). This document also serves as a reference document for auditing the manufacturer's QMS. This document elaborates and supplements the requirements of EN ISO 9001:2015.

Keel: en
Alusdokumendid: prEN 15267-2
Asendab dokumenti: EVS-EN 15267-2:2009

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 16479

Water quality - Performance requirements and conformity test procedures for water monitoring equipment - Automated sampling devices (samplers) for water and waste water

This document defines general requirements, performance requirements and conformity test procedures for automatic sampling devices (samplers) for water and waste water that: — sample water and waste water from non-pressurized (i.e. open to atmosphere) channels or vessels; — sample over extended periods to collect discrete or composite samples based on time, event or flow proportional sampling. It does not include sampling systems built into online and in-line analysers. The general requirements include functional facilities that samplers need to meet users' applications and information that needs to be included in associated documents. The test procedures specify uniform methods to be used when determining key performance characteristics of samplers. All of the test procedures are expected to be carried out under laboratory conditions. It is recognized that for some samplers certain test procedures are not applicable. Statistical procedures are defined for evaluation of the test data. Some example calculations are provided. Specific sample integrity requirements are defined for samplers to be used for the collection of samples of final effluent or influent for the purpose of monitoring the performance of waste water treatment works, as required under the EU's Urban Waste Water Treatment Directive (UWWTD). Samplers to be used for other industrial applications do not need to be assessed against these specific sample integrity requirements. This document does not cover the installation and on-going use of samplers.

Keel: en
Alusdokumendid: prEN 16479
Asendab dokumenti: EVS-EN 16479:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 17805

Water sampling for capture of macrobial environmental DNA in aquatic environments

Water sampling for capture of environmental DNA (eDNA) in aquatic environments. eDNA stems from organisms which are or have recently been living in the water body and does not include eDNA found in sediments or similar sample types. Covers procedures for avoiding sample contamination and ensuring DNA quality, key properties of the filtering procedure and equipment, and reporting standards.

Keel: en
Alusdokumendid: prEN 17805

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 45545-3

Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers

This part of EN 45545 specifies the fire resistance requirements and testing methods for fire barriers for railway vehicles. The objective of the measures and requirements, specified in this part of EN 45545, is to protect passengers and staff in railway vehicles in the event of a developing fire on board. Use of a Fire Containment and Control System, where permitted as an alternative to a fire barrier, is not in the scope of this part of EN 45545. It is not within the scope of this part of EN 45545 to describe measures that ensure the preservation of the railway vehicles in the event of a fire.

Keel: en
Alusdokumendid: prEN 45545-3
Asendab dokumenti: EVS-EN 45545-3:2013

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62676-6:2021

Video surveillance systems for use in security applications - Part 6: Performance testing and grading of realtime intelligent video content analysis devices & systems for use in video surveillance applications

This Standard specifies the functions, performance, interfaces, environmental adaptability, test methods, performance evaluation and grading rules of real-time intelligent video analysis in surveillance systems. This Standard applies to live and forensic, real-time intelligent video analysis devices and systems in video surveillance. The standard is centered on testing performance and grading device functionality which enables; - Core Capability: Classification of Objects, Detection of specific "object activity" such as "stopping", "starting", "direction of movement", etc. Examples and current expanded list in Annex H - Complex Capability: Detection of "scenarios" which are based on combinations of object activity such as "loitering", "perimeter intrusion detection", "person down", "tailgating", "intrusion", “abandoned object detection”, Explosion, Fire, Flood, Potential Terrorist attack using a vehicle, Owner of an abandoned bag, etc. Examples of current scenarios are listed and described in Annex I

Keel: en
Alusdokumendid: IEC 62676-6 ED1; prEN IEC 62676-6:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 17201-6

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

This document specifies methods for recording the time history of the sound pressure produced either by shooting with calibres of less than 20 mm, or by detonation of explosive charges of less than 50 g TNT equivalent, within the shooting range at locations of interest, regarding the exposure to sound of the shooter, or any other person within the shooting range. The time history of the sound pressure can be the basis for further analyses of this type of sound at the locations of interest.

Keel: en
Alusdokumendid: ISO 17201-6:2021; prEN ISO 17201-6

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 24187

Principles for the analysis of plastics and microplastics present in the environment (ISO/DIS 24187:2021)

Development of technical principles, which will be used across the board for future standardization projects on testing methods for plastics and microplastics in various matrices (in particular water, soil, compost, sewage sludge, biota). This includes the following:: - Description of necessary working conditions in the laboratory - Description of necessary working conditions in the field - safety instructions - Proposals for harmonisation of size classes to be considered - Proposals to harmonise the indication of results - Notes on matrix-specific particularities with regard to the representativeness of the results

Keel: en
Alusdokumendid: ISO/DIS 24187; prEN ISO 24187

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEVS 835

Hoone veevärk
Water supply systems inside buildings

See standard kehtib hoone veevärkidele, mis on ühendatud ühisveevärgiga või kohaliku veevarustusallikaga. Hoone veevärgi all mõistetakse hoonesisest külma- ja soojaveetorustikku koos toruarmatuuriga, veevarustusseadmeid ja maa-alust veetoru hoone piires kuni vundamendini (vt joonis 1.1). Standardi nõudeid tuleb täita nii uue hoone veevärgi projekteerimisel, paigaldamisel ja katsetamisel kui ka olemasolevate veevärkide remondil ja ümberehitusel.

Keel: et
Asendab dokumenti: EVS 835:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEVS 921

Veevarustuse välisvõrk
Water supply systems outside buildings

See Eesti standard on rakendatav omandivormist sõltumata veevarustuse välisvõrkudele, sealhulgas veevõrgule alates veetöötlusjaamast või puurkaev-pumplast kuni hoonete välisseinani. Standard on aluseks veevõrgu projekteerimisel, veetorustike dimensioonimisel ja pumpade ning teiste abiseadmete valimisel ning on kasutatav nii uue veevõrgu rajamisel kui ka olemasoleva veevõrgu laiendamisel ja ümberehitamisel. Standardis määratakse kindlaks funktsionaalsed nõuded veevarustuse välisvõrgule seoses planeerimise, projekteerimise, ehitamise, käitamise, hoolduse ja ekspluatatsiooniga ning tegevused nõuete täitmiseks. Veekäitluses sisaldub veehaare, veetöötlus, vee säilitamine ja edastamine (veevarustuse välisvõrk/ jaotamine) tarbijale (vt joonis 1). Veehaarde-veeallika valikul juhinduda asjakohastest õigusaktidest ja standardist EVS 847-1, vee töötlemisel juhinduda standardist EVS-847-2, vee jaotamisel tarbijale juhinduda asjakohastest õigusaktidest ja standardites EVS 921 ja EVS 835.

Keel: et
Asendab dokumenti: EVS 921:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 61340-4-9:2021

Electrostatics - Part 4-9: Standard test methods for specific applications - Garments - Resistive Characterization

This part of IEC 61340 provides test methods for measuring the electrical resistance of garments used for static control applications. These test methods can be used for evaluating outer garments that are homogenously conductive or homogeneously dissipative, or that utilize surface conductive or surface dissipative components or elements. NOTE The test methods defined in this standard might not be able to measure materials with buried conductive layers. The resistance point-to-point test method tests the electrical resistance between the two sleeves, any two panels or any two or more electrically interconnected components of the static control garment, including the electrical resistance across the seams and cuffs of the garment as applicable. An alternate sleeve-to-sleeve test method is allowed, using clamps to hang a garment. Static control garments that electrically bond to the wearer and provide a path to ground from the wearer are evaluated using the resistance point-to-point test method, the resistance point to groundable point test method, as well as a system test to determine the resistance from the person through the garment to the groundable point of the garment system. A band resistance measurement test is provided in IEC 61340-4-6 which can be used for garments so equipped with cuffs that are intended to perform the same function as a wrist strap band. The system test with a person wearing a groundable static control garment system includes the ground cord that connects to the groundable point of the garment.

Keel: en
Alusdokumendid: IEC 61340-4-9 ED3; prEN IEC 61340-4-9:2021
Asendab dokumenti: EVS-EN 61340-4-9:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-5-3:2021

Electrcity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer

This part of IEC 62056 specifies the DLMS®/COSEM application layer in terms of structure, services and protocols for DLMS®/COSEM clients and servers, and defines rules to specify the DLMS®/COSEM communication profiles. It defines services for establishing and releasing application associations, and data communication services for accessing the methods and attributes of COSEM interface objects, defined in IEC 62056-6-2:2021 using either logical name (LN) or short name (SN) referencing. Annex A (normative) defines how to use the COSEM application layer in various communication profiles. It specifies how various communication profiles can be constructed for exchanging data with metering equipment using the COSEM interface model, and what are the necessary elements to specify in each communication profile. The actual, media-specific communication profiles are specified in separate parts of the IEC 62056 series. Annex B (normative) specifies the SMS short wrapper. Annex C (normative) specifies the gateway protocol. Annex D, Annex E and Annex F (informative) include encoding examples for APDUs. Annex G (normative) provides NSA Suite B elliptic curves and domain parameters. Annex H (informative) provides an example of an End entity signature certificate using P-256 signed with P-256. Annex I (normative) specifies the use of key agreement schemes in DLMS®/COSEM. Annex J (informative) provides examples of exchanging protected xDLMS APDUs between a third party and a server. Annex K (informative) lists the main technical changes in this edition of the standard.

Keel: en
Alusdokumendid: IEC 62056-5-3 ED4; prEN IEC 62056-5-3:2021
Asendab dokumenti: EVS-EN 62056-5-3:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-1:2021

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)

This part of IEC 62056 specifies the overall structure of the OBject Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. OBIS provides a unique identifier for all data within the metering equipment, including not only measurement values, but also abstract values used for configuration or obtaining information about the behaviour of the metering equipment. The ID codes defined in this document are used for the identification of: - logical names of the various instances of the ICs, or objects, as defined in IEC 62056-6-2:2021; - data transmitted through communication lines; - data displayed on the metering equipment, see Clause A.2. This document applies to all types of metering equipment, such as fully integrated meters, modular meters, tariff attachments, data concentrators, etc. To cover metering equipment measuring energy types other than electricity, combined metering equipment measuring more than one type of energy or metering equipment with several physical measurement channels, the concepts of medium and channels are introduced. This allows meter data originating from different sources to be identified. While this document fully defines the structure of the identification system for other media, the mapping of non-electrical energy related data items to ID codes is completed separately. NOTE EN 13757-1:2014 defines identifiers for metering equipment other than electricity: heat cost allocators, thermal energy, gas, cold water and hot water.

Keel: en
Alusdokumendid: IEC 62056-6-1 ED4; prEN IEC 62056-6-1:2021
Asendab dokumenti: EVS-EN 62056-6-1:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-2:2021

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes

This part of IEC 62056 specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object-oriented methods, in the form of interface classes to model meters from simple up to very complex functionality. Annexes A to F (informative) provide additional information related to some interface classes.

Keel: en
Alusdokumendid: IEC 62056-6-2 ED4; prEN IEC 62056-6-2:2021
Asendab dokumenti: EVS-EN IEC 62056-6-2:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 17201-6

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

This document specifies methods for recording the time history of the sound pressure produced either by shooting with calibres of less than 20 mm, or by detonation of explosive charges of less than 50 g TNT equivalent, within the shooting range at locations of interest, regarding the exposure to sound of the shooter, or any other person within the shooting range. The time history of the sound pressure can be the basis for further analyses of this type of sound at the locations of interest.

Keel: en
Alusdokumendid: ISO 17201-6:2021; prEN ISO 17201-6

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 26101-1

Acoustics - Test methods for the qualification of the acoustic environment - Part 1: Qualification of free-field environments (ISO 26101-1:2021)

This document specifies methodology for qualifying acoustic spaces as anechoic and hemi-anechoic spaces meeting the requirements of a free sound field. This document specifies discrete-frequency and broad-band test methods for quantifying the performance of anechoic and hemi-anechoic spaces, defines the qualification procedure for an omni-directional sound source suitable for free-field qualification, gives details of how to present the results and describes uncertainties of measurement. This document has been developed for qualifying anechoic and hemi-anechoic spaces for a variety of acoustical measurement purposes. It is expected that, over time, various standards and test codes will refer to this document in order to qualify an anechoic or hemi-anechoic space for a particular measurement. Annex D provides guidelines for the specification of test parameters and qualification criteria for referencing documents. In the absence of specific requirements or criteria, Annex A provides qualification criteria and measurement requirements to qualify anechoic and hemi-anechoic spaces for general purpose acoustical measurements. This document describes the divergence loss method for measuring the free sound field performance of an acoustic environment.

Keel: en
Alusdokumendid: ISO 26101-1:2021; prEN ISO 26101-1

Arvamusküsitluse lõppkuupäev: 12.02.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 13094:2020/prA1

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

This document specifies requirements for the design and construction of metallic gravity-discharge tanks intended for the carriage of substances having a vapour pressure not exceeding 110 kPa (1,1 bar) (absolute pressure) at 50 °C. NOTE 1 Gravity-discharge tanks have no maximum working pressure. However, during operation, pressure in the shell may occur, for example due to flow restrictions in vapour recovery systems or opening pressures of breather devices. It is important that these operating pressures do not exceed the test pressure of the tank or 0,5 bar, whichever is the highest. This document specifies requirements for openings, closures, pipework, mountings for service equipment and structural equipment. NOTE 2 This document does not specify requirements for items of service equipment other than pipes passing through the shell. This document is applicable to aircraft refuelers that are used on public roads. It is also applicable to inter-modal tanks (e.g. tank containers and tank swap bodies) for the transport of dangerous goods by road and rail. NOTE 3 This document is not applicable to fixed rail tank wagons.

Keel: en
Alusdokumendid: EN 13094:2020/prA1
Muudab dokumenti: EVS-EN 13094:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

25 TOOTMISTEHNOLOOGIA

EN 15085-2:2020/prA1

Railway applications - Welding of railway vehicles and components - Part 2: Requirements for welding manufacturer

This document defines the classification levels for welded components, the types of activity typically undertaken and the requirements to be fulfilled to demonstrate conformance.

Keel: en
Alusdokumendid: EN 15085-2:2020/prA1
Muudab dokumenti: EVS-EN 15085-2:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 14700

Welding consumables - Welding consumables for hard-facing

This document applies to welding consumables for hardfacing. The range of application includes surfaces of new structural components, semi-finished products as well as repair of surfaces of structural components which have to resist to mechanical, chemical, thermal or combined stress. This document specifies requirements for classification of the consumables based on their chemical composition of the all weld metal of covered electrodes, cored wires, cored rods, cored strips, sintered strips, sintered rods and metal powders and on the chemical composition of solid wires, solid rods, solid strips and cast rods.

Keel: en
Alusdokumendid: prEN 14700
Asendab dokumenti: EVS-EN 14700:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 16602-70-40

Space product assurance - Processing and quality assurance requirements for hard brazing of metallic materials for flight hardware

This Standard specifies the processing and quality assurance requirements for brazing processes for space flight application. Brazing is understood as the joining and sealing of materials by means of a solidification of a liquid filler metal. The term brazing in this standard s is used as equivalent to soldering, in cases that the filler materials have liquidus temperatures below 450 °C. Brazing and soldering are allied process to welding and this standard is supplementing the standard for welding ECSS-Q-ST-70-39. This standard does not cover requirements for: • Joining processes by adhesive bonding (ECSS-Q-ST-70-16), • Soldering for electronic assembly purposes (ECSS-Q-ST-70-61), • Soldering used in hybrid manufacturing (ESCC 2566000). The standard covers but is not limited to the following brazing processes: • Torch brazing, • Furnace brazing, • Dip Brazing and Salt-bath brazing, • Induction Brazing. This Standard does not detail the brazing definition phase and brazing pre-verification phase, including the derivation of design allowables. This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Keel: en
Alusdokumendid: prEN 16602-70-40

Arvamusküsitluse lõppkuupäev: 12.02.2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN ISO 9288

Thermal insulation - Heat transfer by radiation - Physical quantities and definitions (ISO/DIS 9288:2021)

This document defines physical quantities and other terms in the field of thermal insulation relating to heat transfer by radiation.

Keel: en
Alusdokumendid: ISO/DIS 9288; prEN ISO 9288
Asendab dokumenti: EVS-EN ISO 9288:2006

Arvamusküsitluse lõppkuupäev: 12.02.2022

29 ELEKTROTEHNIKA

prEN IEC 60255-1:2021

Measuring relays and protection equipment - Part 1: Common requirements

This part of IEC 60255 specifies common rules and requirements applicable to measuring relays and protection equipment including any combination of equipment to form a distributed protection scheme for power system protection such as control, monitoring and process interface equipment to obtain uniformity of requirements and tests. The standards covers main technologies used today other emerging technologies will present specific EMC and safety issues but the philosophy in this document should be applied. All measuring relays and protection equipment used for protection within the power system environment are covered by this document. Other documents in this series can define their own requirements which in such cases take precedence. The typical locations for measuring relays and protection equipment are where protection of electrical equipment is required: generally power stations, substations and industrial locations. Measuring relays and protection

equipment installed in special applications (marine, railways, aerospace, explosive atmospheres, computers, etc.) could be enhanced by additional requirements required by that application.

Keel: en
Alusdokumendid: IEC 60255-1 ED2; prEN IEC 60255-1:2021
Asendab dokumenti: EVS-EN 60255-1:2010

Arvamusküsitluse lõppkuupäev: 13.01.2022

prEN IEC 60255-26:2021

Measuring relays and protection equipment - Part 26: Electromagnetic compatibility requirements

1.1 General This part of the IEC 60255 series specifies the requirements for electromagnetic compatibility for measuring relays and protection equipment. It is applicable to measuring relays and protection equipment and combinations of devices to form schemes for power system protection including the control, monitoring, communication and process interface equipment used with those systems. Tests specified in this document are not required for equipment not incorporating electronic circuits, for example electromechanical relays. The requirements specified in this document are applicable to measuring relays and protection equipment in a condition representative of how new equipment is provided by the manufacturer. All tests specified are type tests only. 1.2 Emission This document specifies limits and test methods, for measuring relays and protection equipment in relation to electromagnetic emissions which might cause interference in other equipment. These emission limits represent electromagnetic compatibility requirements and have been selected to ensure that the disturbances generated by measuring relays and protection equipment, operated normally in substations and power plants, do not exceed a specified level which could prevent other equipment from operating as intended. Test requirements are specified for the enclosure, auxiliary power supply ports, input/output ports, signal/control ports and wired network ports. 1.3 Immunity This document specifies the immunity test requirements for measuring relays and protection equipment in relation to continuous and transient, conducted and radiated disturbances, including electrostatic discharges. These test requirements represent the electromagnetic compatibility immunity requirements and have been selected so as to ensure an adequate level of immunity for measuring relays and protection equipment, operated normally in substations and power plants. NOTE 1 Product safety considerations are not covered in this document. NOTE 2 In special cases, situations will arise where the levels of disturbance could exceed the levels specified in this document, for example where a hand-held transmitter or a mobile telephone is used close to measuring relays and protection equipment. In these instances, special precautions and procedures could have to be employed.

Keel: en
Alusdokumendid: IEC 60255-26 ED4; prEN IEC 60255-26:2021
Asendab dokumenti: EVS-EN 60255-26:2013
Asendab dokumenti: EVS-EN 60255-26:2013/AC:2013

Arvamusküsitluse lõppkuupäev: 13.01.2022

prEN IEC 60255-27:2021

Measuring relays and protection equipment - Part 27: Product safety requirements

This part of the IEC 60255 series describes the product safety requirements for measuring relays and protection equipment having a rated AC voltage up to 1 000 V, or a rated DC voltage up to 1 500 V. Above these limits, IEC 60664-1 is applicable for the determination of clearance, creepage distance and withstand test voltage. This standard specifies essential safety requirements to minimize the risk of fire and hazards caused by electric shock or injury to the user and property, and this standard is intended to describe only product safety requirements, functional performance of the equipment is not covered. This standard covers all the ways in which the equipment may be mounted and used in cabinets, racks and panels. This standard also applies to auxiliary devices such as shunts, series resistors, transformers, etc., that are used in conjunction with measuring relays and protection equipment and are tested together. Ancillary equipment such as network switches used in conjunction with measuring relays and protection equipment may need to comply with additional safety requirements. This standard does not specify the implementation of individual equipment, circuits and components. Equipment shall be designed to meet the requirements of all relevant clauses of the standard and tested to prove compliance where necessary. Type testing alone (as section 9 type tests) does not form a complete safety assessment and does not guarantee that the correct components / materials have been used, this can only be achieved by assessment against all clauses of this standard. This standard applies to equipment designed to be safe at least under the following environmental conditions – indoor use; – altitude up to 2 000 m, in accordance with IEC 60255-1; – rated ambient temperature range, in accordance with IEC 60255-1; – maximum external relative humidity, in accordance with IEC 60255-1; – operating range of auxiliary energizing voltage in accordance with IEC 60255-1; – applicable overvoltage category; – applicable pollution degree of the intended environment (pollution degree 2 in most cases).

Keel: en
Alusdokumendid: IEC 60255-27 ED3; prEN IEC 60255-27:2021
Asendab dokumenti: EVS-EN 60255-27:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 61340-4-9:2021

Electrostatics - Part 4-9: Standard test methods for specific applications - Garments - Resistive Characterization

This part of IEC 61340 provides test methods for measuring the electrical resistance of garments used for static control applications. These test methods can be used for evaluating outer garments that are homogenously conductive or homogeneously dissipative, or that utilize surface conductive or surface dissipative components or elements. NOTE The test methods defined in this standard might not be able to measure materials with buried conductive layers. The resistance point-to-point test method tests the electrical resistance between the two sleeves, any two panels or any two or more electrically interconnected components of the static control garment, including the electrical resistance across the seams and cuffs of the

garment as applicable. An alternate sleeve-to-sleeve test method is allowed, using clamps to hang a garment. Static control garments that electrically bond to the wearer and provide a path to ground from the wearer are evaluated using the resistance point-to-point test method, the resistance point to groundable point test method, as well as a system test to determine the resistance from the person through the garment to the groundable point of the garment system. A band resistance measurement test is provided in IEC 61340-4-6 which can be used for garments so equipped with cuffs that are intended to perform the same function as a wrist strap band. The system test with a person wearing a groundable static control garment system includes the ground cord that connects to the groundable point of the garment.

Keel: en
Alusdokumendid: IEC 61340-4-9 ED3; prEN IEC 61340-4-9:2021
Asendab dokumenti: EVS-EN 61340-4-9:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62990-1

Workplace Atmospheres - Part 1: Gas detectors - Performance requirements of detectors for toxic gases

This part of IEC 62990 specifies general requirements for design, function and performance, and describes the test methods that apply to portable, transportable, and fixed equipment for the detection and concentration measurement of toxic gases and vapours in workplace atmospheres and other industrial and commercial applications. This document is applicable to continuously sensing equipment whose primary purpose is to provide an indication, alarm and/or other output function the purpose of which is to indicate the presence of a toxic gas or vapour in the atmosphere and in some cases to initiate automatic or manual protective action(s). It is applicable to equipment in which the sensor generates an electrical signal when gas is present. This document applies to two types of equipment: - Type HM (Health Monitoring) 'occupational exposure' equipment: For occupational exposure measurement, the performance requirements are focused on uncertainty of measurement of gas concentrations in the region of Occupational Exposure Limit Values (OELV). The upper limit of measurement will be defined by the manufacturer in accordance with 4.2.1. - Type SM (Safety Monitoring) 'general gas detection' equipment: For general gas detection applications (e.g. safety warning, leak detection), the performance requirements are focused on alarm signalling. The upper limit of measurement will be defined by the manufacturer according to the intended use of the equipment. In general, the requirements for accuracy will be higher for Type HM equipment than for Type SM equipment. The same equipment may meet the requirements of both Type HM and Type SM. For equipment used for sensing the presence of multiple gases this document applies only to the detection of toxic gas or vapour. This document is not applicable to equipment: - with samplers and concentrators such as sorbents or paper tape having an irreversible indication; - used for the measurement of gases and vapours related to the risk of explosion; - used for the measurement of oxygen; – used only in laboratories for analysis or measurement; - used only for process measurement purposes; - used in the domestic environment; - used in environmental air pollution monitoring; - used for open-path (line of sight) area gas measurement; - used for ventilation control in car parks or tunnels.

Keel: en
Alusdokumendid: IEC 62990-1:2019; IEC 62990-1:2019/COR1:2019; prEN IEC 62990-1

Arvamusküsitluse lõppkuupäev: 12.02.2022

prHD 620 S3

Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV

HD 620 applies to cables with extruded insulation and for rated voltages Uo/U(Um) from 3,6/6 (7,2) kV up to 20,8/36(42) kV used in power distribution systems of voltages not exceeding the maximum r.m.s. value of the system voltage Um. This Part (Part 1) specifies the general requirements applicable to these cables, unless otherwise specified in the particular sections of this HD. Test methods specified are given EN 60228, EN 60229, EN 60332-1-2, EN 60811, EN 60885-3, HD 605 and HD 632. Attention should be drawn to the fact that a significant number of sections include references to long term tests which are collected in HD 605. These long-term tests are considered as necessary and reflect the best available knowledge for the existing cable design. They are related to specific designs and different philosophies concerning adequate measures against the influence of water. However, it is the firm intention to reduce this large number of different tests, but more experience should be gained before starting to rationalise this important matter. The particular types of cables are specified in Parts 9 to 12. NOTE Parts 3, 4, 5, 6, 7 and 8 were withdrawn in HD 620 S2.

Keel: en
Alusdokumendid: prHD 620 S3
Asendab dokumenti: EVS-HD 620 S2:2010

Arvamusküsitluse lõppkuupäev: 12.02.2022

31 ELEKTROONIKA

prEN IEC 60286-3:2021

Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes

This part of IEC 60286 is applicable to the tape packaging of electronic components without leads or with lead stumps, intended to be connected to electronic circuits. It includes only those dimensions that are essential for the taping of components intended for the above-mentioned purposes. This document also includes requirements related to the packaging of singulated die products including bare die and bumped die (flip chips).

Keel: en
Alusdokumendid: IEC 60286-3 ED7; prEN IEC 60286-3:2021

Asendab dokumenti: EVS-EN IEC 60286-3:2019

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 63207:2021

Measuring methods of blue-light characteristics and related optical performances for visual display terminal (TA 2)

This document specifies measuring methods for optical performance (luminance) and blue light characteristics (BLCs) of visual display terminals (VDTs), excluding displays only for outdoor use.

Keel: en
Alusdokumendid: IEC 63207 ED1; prEN IEC 63207:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

33 SIDETEHNIKA

prEN 301 598 V2.2.0

TV vaba vahemiku seadmed (TVWSD); Juhtmeta juurdepääsu süsteemid, mis töötavad televisiooniringhäälingu sagedusalas 470 MHz kuni 694 MHz; Raadiospektrile juurdepääsu harmoneeritud standard
TV White Space Devices (TVWSD); Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for TV White Space Devices (TVWSDs) controlled by a TV White Space DataBase (TVWSDB) and which operate in the TV broadcast band 470 MHz to 694 MHz. The present document applies to the following radio equipment categories: 1) Primary TV white space device. 2) Secondary TV white space device. The present document applies to TVWSDs with integral, dedicated or external antennas, where TVWSDs using external antennas is covered only in the case of fixed use. 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 301 598 V2.2.0

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 303 722 V1.2.0

Laiaribalised andmeedastussüsteemid (WDTS) sagedustel 57-71 GHz töötavatele paikse raadiovõrgu seadmetele; Raadiospektrile juurdepääsu harmoneeritud standard
Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for Wideband Data Transmission Systems (WDTS) fixed network radio equipment operating in the 57 GHz to 71 GHz band taking into consideration ERC/REC 70-03 annex 3 (frequency bands c2 and c3) and Commission Decision 2006/771/EC bands 75a and 75b. This radio equipment is capable of operating in all or any part of the frequency bands given in table 1. Table 1: Radiocommunications service frequency band Transmit/Receive; Radiocommunications service frequency band Transmit; 57 GHz to 71 GHz Receive; 57 GHz to 71 GHz NOTE 1: The technical characteristics of applications using these radio equipment are further described in ETSI TR 103 583. NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 722 V1.2.0

Arvamusküsitluse lõppkuupäev: 13.01.2022

prEN IEC 60966-3-3:2021

Radio frequency and coaxial cable assemblies - Part 3-3: Detail specification for semi-flexible cable assemblies (jumper), Frequency range up to 18GHz, Type 50-141 semi-flexible coaxial cable

This part of IEC 60966 is a detail specification that relates to semi-flexible cable assemblies composed of type 50-141 semi-flexible coaxial cables with polytetrafluoroethylene (PTFE) dielectric (IEC 61196-8-4) and connectors such as, type SMA(IEC 61169-15), type N (IEC 61169-16). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are mainly used in the field of microwave and wireless equipment or other signal transmission equipment or units. The operating frequency is up to 18000 MHz. The qualification will be conducted in accordance with IEC 60966-3. Once one variant obtain qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in IEC 60966-3 and described in the CM(capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in IEC 60966-3 and described in the CM.

Keel: en
Alusdokumendid: IEC 60966-3-3 ED1; prEN IEC 60966-3-3:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 60966-3-4:2021

Radio frequency and coaxial cable assemblies - Part 3-4: Detail specification for semi-flexible cable assemblies (jumper), Frequency range up to 6GHz, Type 50-141 semi-flexible coaxial cable

This part of IEC 60966 is a detail specification that relates to semi-flexible cable assemblies composed of type 50-141 semi-flexible coaxial cables with polytetrafluoroethylene (PTFE) dielectric (IEC 61196-8-4) and connectors such as type 7-16 (IEC 61169-4), type 4,1-9,5 (IEC 61169-11), type S7-16 (IEC 61169-53), type 4,3-10 (IEC 61169-54). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are mainly used in the field of mobile communication base station antenna system, terrestrial microwave communication and radar systems. The operating frequency is up to 6000 MHz. The qualification will be conducted in accordance with IEC 60966-3. Once one variant obtain qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in IEC 60966-3 and described in the CM(capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in IEC 60966-3 and described in the CM.

Keel: en
Alusdokumendid: IEC 60966-3-4 ED1; prEN IEC 60966-3-4:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 61280-4-3:2021

Fibre-optic communication subsystem test procedures - Part 4-3: Installed passive optical networks - Attenuation and optical return loss measurements

This part of IEC 61280-4 describes the measurement of attenuation, optical return loss and optical power in installed passive optical networks (PON) using single-mode fibre. This document specifies two methods for measuring the attenuation before activation of the PON: • Method A: One-cord method using a light source and a power meter (LSPM); • Method B: Optical time-domain reflectometer (OTDR) method in upstream direction only, with reduction of uncertainties due to the variation of backscatter coefficient. In addition, method C, which is described in informative Annex C, provides an estimate of the attenuation after partial activation of the PON by using a U band filtered optical time-domain reflectometer (FOTDR) in an upstream direction.

Keel: en
Alusdokumendid: IEC 61280-4-3 ED1; prEN IEC 61280-4-3:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 61726:2021

Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method

This standard describes the measurement of screening attenuation by the reverberation chamber measurement method, also called mode stirred chamber method. This standard is applicable to screening attenuation measurements of cable assemblies, cables, connectors, and passive microwave components, such as waveguides, phase shifters, diplexers/multiplexers, power dividers/combiners and etc. Modern electronic equipments have shown a demand for methods for testing screening attenuation performance of microwave components over their whole frequency range. Convenient measurement methods have existed for lower frequencies and components of regular shape. These measurement methods are described in IEC 62153 series standards. For much higher frequencies and for components of irregular shape, the reverberation chamber method should be used. Theoretically, the reverberation chamber method has no upper limit of the measurement frequency, but it is limited by the quality and sensitivity of the measurement system, and the lower limit of the measurement frequency is restricted by the size of the reverberation chamber.

Keel: en
Alusdokumendid: IEC 61726 ED4; prEN IEC 61726:2021
Asendab dokumenti: EVS-EN 61726:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 61755-2-1:2021

Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-1: Connection parameters of non-dispersion unshifted physically contacting fibres - non-angled

his part of IEC 61755 defines a set of prescribed conditions for a single-mode fibre optic connection that is maintained in order to satisfy the requirements of attenuation and return loss (RL) performance in a randomly mated pair of non-angled polished physically contacting (PC) fibres. The model uses a Gaussian distribution of light intensity over the specified mode field diameter (MFD) for determination of attenuation performance grades, based on MFD mismatch and the amount of lateral and angular fibre core offsets. Attenuation and RL performance grades are defined in IEC 61755-1.

Keel: en
Alusdokumendid: IEC 61755-2-1 ED2; prEN IEC 61755-2-1:2021
Asendab dokumenti: EVS-EN 61755-2-1:2008

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 61755-2-2:2021

Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres - Part 2-2: Connection parameters of dispersion unshifted physically contacting fibres - angled

This part of IEC 61755 defines a set of prescribed conditions for a single-mode fibre optic connection that is maintained in order to satisfy the requirements of attenuation and return loss (RL) performance in a randomly mated pair of angled polished physically contacting (APC) fibres. The model uses a Gaussian distribution of light intensity over the specified mode field diameter (MFD) for determination of attenuation performance grades, based on MFD mismatch and the amount of lateral and angular fibre core offsets. Attenuation and RL performance grades are defined in IEC 61755-1.

Keel: en
Alusdokumendid: IEC 61755-2-2 ED2; prEN IEC 61755-2-2:2021
Asendab dokumenti: EVS-EN 61755-2-2:2006

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 63207:2021

Measuring methods of blue-light characteristics and related optical performances for visual display terminal (TA 2)

This document specifies measuring methods for optical performance (luminance) and blue light characteristics (BLCs) of visual display terminals (VDTs), excluding displays only for outdoor use.

Keel: en
Alusdokumendid: IEC 63207 ED1; prEN IEC 63207:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

35 INFOTEHNOLOOGIA

prEN IEC 62056-5-3:2021

Electrcity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer

This part of IEC 62056 specifies the DLMS®/COSEM application layer in terms of structure, services and protocols for DLMS®/COSEM clients and servers, and defines rules to specify the DLMS®/COSEM communication profiles. It defines services for establishing and releasing application associations, and data communication services for accessing the methods and attributes of COSEM interface objects, defined in IEC 62056-6-2:2021 using either logical name (LN) or short name (SN) referencing. Annex A (normative) defines how to use the COSEM application layer in various communication profiles. It specifies how various communication profiles can be constructed for exchanging data with metering equipment using the COSEM interface model, and what are the necessary elements to specify in each communication profile. The actual, media-specific communication profiles are specified in separate parts of the IEC 62056 series. Annex B (normative) specifies the SMS short wrapper. Annex C (normative) specifies the gateway protocol. Annex D, Annex E and Annex F (informative) include encoding examples for APDUs. Annex G (normative) provides NSA Suite B elliptic curves and domain parameters. Annex H (informative) provides an example of an End entity signature certificate using P-256 signed with P-256. Annex I (normative) specifies the use of key agreement schemes in DLMS®/COSEM. Annex J (informative) provides examples of exchanging protected xDLMS APDUs between a third party and a server. Annex K (informative) lists the main technical changes in this edition of the standard.

Keel: en
Alusdokumendid: IEC 62056-5-3 ED4; prEN IEC 62056-5-3:2021
Asendab dokumenti: EVS-EN 62056-5-3:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-1:2021

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)

This part of IEC 62056 specifies the overall structure of the OBject Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. OBIS provides a unique identifier for all data within the metering equipment, including not only measurement values, but also abstract values used for configuration or obtaining information about the behaviour of the metering equipment. The ID codes defined in this document are used for the identification of: - logical names of the various instances of the ICs, or objects, as defined in IEC 62056-6-2:2021; - data transmitted through communication lines; - data displayed on the metering equipment, see Clause A.2. This document applies to all types of metering equipment, such as fully integrated meters, modular meters, tariff attachments, data concentrators, etc. To cover metering equipment measuring energy types other than electricity, combined metering equipment measuring more than one type of energy or metering equipment with several physical measurement channels, the concepts of medium and channels are introduced. This allows meter data originating from different sources to be identified. While this document fully defines the structure of the identification system for other media, the mapping of non-electrical energy related data items to ID codes is completed separately. NOTE EN 13757-1:2014 defines identifiers for metering equipment other than electricity: heat cost allocators, thermal energy, gas, cold water and hot water.

Keel: en
Alusdokumendid: IEC 62056-6-1 ED4; prEN IEC 62056-6-1:2021
Asendab dokumenti: EVS-EN 62056-6-1:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-2:2021

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes

This part of IEC 62056 specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object-oriented methods, in the form of interface classes to model meters from simple up to very complex functionality. Annexes A to F (informative) provide additional information related to some interface classes.

Keel: en
Alusdokumendid: IEC 62056-6-2 ED4; prEN IEC 62056-6-2:2021
Asendab dokumenti: EVS-EN IEC 62056-6-2:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 63207:2021

Measuring methods of blue-light characteristics and related optical performances for visual display terminal (TA 2)

This document specifies measuring methods for optical performance (luminance) and blue light characteristics (BLCs) of visual display terminals (VDTs), excluding displays only for outdoor use.

Keel: en
Alusdokumendid: IEC 63207 ED1; prEN IEC 63207:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

37 VISUAALTEHNIKA

prEN IEC 60601-2-43:2021

Medical electrical equipment - Part 2-43: Particular requirements for the basic safety and essential performance of X-ray equipment for interventional procedures

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of both FIXED and MOBILE X-RAY EQUIPMENT declared by the MANUFACTURER to be suitable for RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, hereafter referred to as INTERVENTIONAL X-RAY EQUIPMENT. Its scope excludes, in particular: - equipment for RADIOTHERAPY; - equipment for COMPUTED TOMOGRAPHY; - ACCESSORIES intended to be introduced into the PATIENT; - mammographic X-RAY EQUIPMENT; - dental X-RAY EQUIPMENT. NOTE 1 Examples of RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, for which the use of INTERVENTIONAL X-RAY EQUIPMENT complying with this standard is recommended, are given in Annex AA. NOTE 2 Specific requirements for magnetic navigation devices, and for the use of INTERVENTIONAL X-RAY EQUIPMENT in an operating room environment were not considered in this particular standard; therefore no specific requirements have been developed for these devices or uses. In any case, such devices or uses remain under the general clause requirements. NOTE 3 INTERVENTIONAL X-RAY EQUIPMENT, when used for cone-beam CT mode, is covered by this standard and not by IEC 60601-2-44 [2]2. No additional requirements for operation in cone-beam CT mode were identified for this standard (see also Note 4 in 203.6.4.5). INTERVENTIONAL X-RAY EQUIPMENT declared by the MANUFACTURER to be suitable for RADIOSCOPICALLY GUIDED INTERVENTIONAL PROCEDURES, which does not include a PATIENT SUPPORT as part of the system, is exempt from the PATIENT SUPPORT provisions of this standard. If a clause or subclause is specifically intended to be applicable to INTERVENTIONAL X-RAY EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to INTERVENTIONAL X-RAY EQUIPMENT and to ME SYSTEMS, as relevant. NOTE 4 See also 4.2 of the general standard. The subclauses of this standard supersede IEC 60601-2-54 subclauses. IEC 60601-2-54 applies only with regards to the cited subclauses; non-cited subclauses of IEC 60601-2-54 do not apply.

Keel: en
Alusdokumendid: IEC 60601-2-43 ED3; prEN IEC 60601-2-43:2021
Asendab dokumenti: EVS-EN 60601-2-43:2010
Asendab dokumenti: EVS-EN 60601-2-43:2010/A1:2018
Asendab dokumenti: EVS-EN 60601-2-43:2010/A2:2020
Asendab dokumenti: EVS-EN 60601-2-43:2010/AC:2014
Asendab dokumenti: EVS-EN 60601-2-43:2010+A1:2018
Asendab dokumenti: EVS-EN 60601-2-43:2010+A1+A2:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

45 RAUDTEETEHNIKA

EN 15085-2:2020/prA1

Railway applications - Welding of railway vehicles and components - Part 2: Requirements for welding manufacturer

This document defines the classification levels for welded components, the types of activity typically undertaken and the requirements to be fulfilled to demonstrate conformance.

Keel: en
Alusdokumendid: EN 15085-2:2020/prA1
Muudab dokumenti: EVS-EN 15085-2:2020

Arvamusküsitluse lõppkuupäev: 12.02.2022

EN 15654-1:2018/prA1

Railway applications - Measurement of vertical forces on wheels and wheelsets - Part 1: On-track measurement sites for vehicles in service

The scope of this European Standard is restricted to the measurement of vertical wheel forces and calculation of derived quantities on vehicles in service. Measurements of a train in motion are used to estimate the static forces. Derived quantities can be: - axle loads; - side to side load differences of a wheel set, bogie, vehicle; - overall mass of vehicle or train set; - mean axle load of a vehicle or train set. This standard is not concerned with the evaluation of: - dynamic wheel force or derived quantities; - wheel condition (i.e. shape, profile, flats); - lateral wheel force; - combination of lateral and vertical wheel forces. The standard defines accuracy classes for measurements to be made at any speed greater than 5 km/h within the calibrated range, which may be up to line speed. The aim of this standard is to obtain measurement results that give representative values for the distribution of vertical wheel forces of a running vehicle, which under ideal conditions will be similar to those that can be obtained from a standing vehicle. This standard does not impose any restrictions on the types of vehicles that can be monitored, or on which networks or lines the measuring system can be installed. The standard lays down minimum technical requirements and the metrological characteristics of a system for measuring and evaluating a range of vehicle loading parameters. Also defined are accuracy classes for the parameters measured and the procedure for verifying the calibration. The measuring system proposed in this standard should not be considered as safety critical. If the measuring system is connected to a train traffic command and control system then requirements that are not part of this standard may apply. Measuring systems complying with this standard have the potential to enhance safety in the railway sector. However, the current operating and maintenance procedures rather than this standard are mandatory for ensuring safety levels in European rail networks.

Keel: en
Alusdokumendid: EN 15654-1:2018/prA1
Muudab dokumenti: EVS-EN 15654-1:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 45545-3

Railway applications - Fire protection on railway vehicles - Part 3: Fire resistance requirements for fire barriers

This part of EN 45545 specifies the fire resistance requirements and testing methods for fire barriers for railway vehicles. The objective of the measures and requirements, specified in this part of EN 45545, is to protect passengers and staff in railway vehicles in the event of a developing fire on board. Use of a Fire Containment and Control System, where permitted as an alternative to a fire barrier, is not in the scope of this part of EN 45545. It is not within the scope of this part of EN 45545 to describe measures that ensure the preservation of the railway vehicles in the event of a fire.

Keel: en
Alusdokumendid: prEN 45545-3
Asendab dokumenti: EVS-EN 45545-3:2013

Arvamusküsitluse lõppkuupäev: 12.02.2022

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 16602-70-40

Space product assurance - Processing and quality assurance requirements for hard brazing of metallic materials for flight hardware

This Standard specifies the processing and quality assurance requirements for brazing processes for space flight application. Brazing is understood as the joining and sealing of materials by means of a solidification of a liquid filler metal. The term brazing in this standard s is used as equivalent to soldering, in cases that the filler materials have liquidus temperatures below 450 °C. Brazing and soldering are allied process to welding and this standard is supplementing the standard for welding ECSS-Q-ST-70-39. This standard does not cover requirements for: • Joining processes by adhesive bonding (ECSS-Q-ST-70-16), • Soldering for electronic assembly purposes (ECSS-Q-ST-70-61), • Soldering used in hybrid manufacturing (ESCC 2566000). The standard covers but is not limited to the following brazing processes: • Torch brazing, • Furnace brazing, • Dip Brazing and Salt-bath brazing, • Induction Brazing. This Standard does not detail the brazing definition phase and brazing pre-verification phase, including the derivation of design allowables. This standard may be tailored for the specific characteristic and constraints of a space project in conformance with ECSS-S-ST-00.

Keel: en
Alusdokumendid: prEN 16602-70-40

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 3542

Aerospace series - Inserts, screw threads, helical coil, self-locking, tanged insertion drive, in heat resisting nickel base alloy NI-PH2801 (Inconel X750)

This document specifies the characteristics of inserts, self-locking, helical coil, tanged insertion drive, with MJ screw threads in NI-PH2801 material, for aerospace applications. Maximum test temperature: 550 °C.

Keel: en
Alusdokumendid: prEN 3542
Asendab dokumenti: EVS-EN 3542:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-013

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 - Product standard

This document defines cable clamp for 2 and 4 module connectors, series 2 and series 3 used in the family of rectangular electrical connectors.

Keel: en
Alusdokumendid: prEN 4165-013
Asendab dokumenti: EVS-EN 4165-013:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-016

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 016: Double oval chimney for accessory (1 per 2 modules) - Product standard

This document defines the double oval chimney for accessories (1 per 2 modules) used in the family of rectangular electrical connectors. The connector accessory body corresponding to those oval chimneys is defined in EN 4165-014.

Keel: en
Alusdokumendid: prEN 4165-016
Asendab dokumenti: EVS-EN 4165-016:2005

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-017

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 017: Blank chimney for accessory (1 per module cavity) - Product standard

This document defines the blank chimney for accessories (1 per module cavity) used in the family of rectangular electrical connectors. The connector accessory body corresponding to those blank chimneys is defined in EN 4165-014.

Keel: en
Alusdokumendid: prEN 4165-017
Asendab dokumenti: EVS-EN 4165-017:2005

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-023

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 023: Tooling for assembly of receptacle coding component - Product standard

This document defines the tooling for assembly of receptacle coding component used in the family of rectangular electrical connectors.

Keel: en
Alusdokumendid: prEN 4165-023
Asendab dokumenti: EVS-EN 4165-023:2007

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 024: Single module plug - Product standard

This document defines the single module plug used in the family of rectangular electrical connectors. The receptacle corresponding to this plug is defined in EN 4165-025. Accessories and protective covers corresponding to those plugs are defined in EN 4165-026. The cavity of this connector is uncoded, so it can accept polarized modules N, A, B, C and D as defined in EN 4165-002.

Keel: en
Alusdokumendid: prEN 4165-024
Asendab dokumenti: EVS-EN 4165-024:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4165-025

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 025: Single module receptacle - Product standard

This document defines the single module receptacle used in the family of rectangular electrical connectors. The plug corresponding to this receptacle is defined in EN 4165-024. Accessories and protective cover corresponding to those plugs are

defined in EN 4165-026. The cavity of this connector is uncoded, so it can accept polarized modules N, A, B, C and D as defined in EN 4165-002.

Keel: en
Alusdokumendid: prEN 4165-025
Asendab dokumenti: EVS-EN 4165-025:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4500-001

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 001: General rules

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 001 specifies the "General Rules" framework valid for all parts.

Keel: en
Alusdokumendid: prEN 4500-001
Asendab dokumenti: EVS-EN 4500-001:2012

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4500-002

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 002: Specific rules for aluminium, aluminium alloys and magnesium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 002 stipulates the "Specific rules for aluminium, aluminium alloys and magnesium alloys".

Keel: en
Alusdokumendid: prEN 4500-002

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4500-003

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 003: Specific rules for heat resisting alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 003 specifies the "Specific rules for heat resisting alloys".

Keel: en
Alusdokumendid: prEN 4500-003
Asendab dokumenti: EVS-EN 4500-003:2012

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4500-004

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 004: Specific rules for titanium and titanium alloys

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 004 specifies the "Specific rules for titanium and titanium alloys".

Keel: en
Alusdokumendid: prEN 4500-004
Asendab dokumenti: EVS-EN 4500-004:2012

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4500-005

Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 005: Specific rules for steels

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 005 specifies the "Specific rules for steels".

Keel: en
Alusdokumendid: prEN 4500-005
Asendab dokumenti: EVS-EN 4500-005:2012

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 4856

Aerospace series - Rotorcraft - Emergency Breathing Systems (EBS) - Requirements, testing and marking

This document specifies requirements for Emergency Breathing Systems (EBS) for use by helicopter crew and passengers in the event of a ditching or water impact, to ensure minimum levels of performance. It applies to EBS capable of being

successfully and reliably deployed in air and underwater, for use by adults only. This document is applicable to compressed air and hybrid rebreather designs of EBS. It does not apply to EBS that cannot be successfully and reliably deployed underwater.

Keel: en
Alusdokumendid: prEN 4856
Asendab dokumenti: EVS-EN 4856:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

53 TÕSTE- JA TEISALDUS-SEADMED

prEN 16307-5

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

This document gives requirements for the types of industrial trucks specified in the scope of EN ISO 3691-5:2015. This document is intended to be used in conjunction with EN ISO 3691-5:2015. This document deals with the following significant hazards, hazardous situations or hazardous events relevant, when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. These requirements are supplementary to those stated in EN ISO 3691-5:2015 with the addition of requirements for the following hazards: - Electromagnetic immunity (external radiation). This document partially replaces the following requirements of EN ISO 3691-5:2015: - Electrical requirements. This document defines supplementary requirements to EN ISO 3691-5:2015: - protection against crushing, shearing and trapping; - information for use (instruction handbook and marking); - when operating in potentially explosive atmospheres. This document does not define supplementary requirements to EN ISO 3691-5:2015: - Static electricity; - Radiation; - General principles for the drafting of instructions; - Sales literature. Annex A (informative) contains the list of significant hazards covered by this document.

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

Arvamusküsitluse lõppkuupäev: 12.02.2022

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN 16592

Packaging - Rigid plastic containers - PET finish 29/25 (12,6)

This European Standard specifies the design and dimensions of the 29 mm screw finish with three (3) thread starts for flat waters and non-carbonated beverages. This finish is designated PET finish 29/25 (12,6). This finish can be used for aseptic filling and filling with introduction of nitrogen (internal overpressure inferior to 1 bar max). The dimension (12,6) is the height in millimetres from the top of finish to the bottom of the support ledge. This finish is designed to accept a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and stay on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

Keel: en
Alusdokumendid: prEN 16592
Asendab dokumenti: EVS-EN 16592:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 6346

Freight containers - Coding, identification and marking (ISO/FDIS 6346:2021)

1.1 This document provides a system for the identification and presentation of information about freight containers. The identification system is intended for general application, for example in documentation, control and communications (including automatic data processing systems), as well as for display on the containers themselves. The methods of displaying identification and certain other data (including operational data) on containers by means of permanent marks are included. 1.2 This document specifies: a) a container identification system, with an associated system for verifying the accuracy of its use, having: — mandatory marks for the presentation of the identification system for visual interpretation, and — features to be used in optional Automatic Equipment Identification (AEI) and electronic data interchange (EDI); b) a coding system for data on container size and type, with corresponding marks for their display; c) operational marks, both mandatory and optional; d) physical presentation of marks on the container. 1.3 The terms “mandatory” and “optional” in this document are used to differentiate those ISO marking provisions which shall necessarily be fulfilled by all containers from those which are not required of all containers. The optional marks are included to further comprehension and promote uniform application of the optional mark. If a choice has been made to display an optional mark, the provisions laid down in this document relating to the mark shall be applied. The terms “mandatory” and “optional” do not refer to requirements of any regulatory body. 1.4 This document applies to all freight containers covered by International Standards ISO 668, parts 1 to 5 of ISO 1496, ISO 8323 and should, wherever appropriate and practicable, be applied: — to containers other than those covered by the International Standards mentioned in Clause 2; — to container-related and/or detachable equipment. NOTE 1 Containers marked according to previous editions of ISO 6346 need not be re-marked. 1.5 This document does not cover temporary operational marks of any kind, permanent marks, data plates, etc. which may be required by intergovernmental agreements, national legislation or nongovernmental organizations. NOTE 2 Some of the major international conventions whose container-marking requirements are not covered in this document are as follows: — International Convention for Safe Containers (1972, as amended) (CSC), International Maritime Organization (IMO); — Customs Convention on Containers 1956 and 1972, related to temporary admission and transport under customs seal. — Convention on Temporary Admission (Istanbul, 26 June 1990), related to temporary admission. It should not be assumed that this list is exhaustive. This document does not cover the display of

technical data on tank containers (see ISO 1496-3), nor does it, in any way, include identification marks or safety signs for items of cargo which may be carried in freight containers.

Keel: en
Alusdokumendid: ISO/FDIS 6346; prEN ISO 6346
Asendab dokumenti: EVS-EN ISO 6346:2000
Asendab dokumenti: EVS-EN ISO 6346:2000/A3:2012

Arvamusküsitluse lõppkuupäev: 12.02.2022

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 11644
Leather - Test for adhesion of finish (ISO/DIS 11644:2021)

This International Standard specifies a method for measuring the adhesion of the finish to leather or the adhesion between two adjacent layers of the finish. The method is valid for all finished leathers with a smooth surface that can be bonded to an adherent-plate without the adhesive penetrating into the finish. Preliminary experiments might be necessary to determine whether these conditions are met. This test method is applied to finished leathers with a thick finish-coat. The method specified in this standard does not apply to unpigmented articles or without continuous coating layer, such as — nubuk, — aniline, — pull-up, — suede, — perforated leather.

Keel: en
Alusdokumendid: ISO/DIS 11644; prEN ISO 11644
Asendab dokumenti: EVS-EN ISO 11644:2009

Arvamusküsitluse lõppkuupäev: 12.02.2022

61 RÕIVATÖÖSTUS

prEN ISO 19410-1
Footwear sizing - Inshoe measurement - Part 1: Shoe length (ISO/DIS 19410-1:2021)

This standard specifies a method to measure the effective shoe length to accommodate the foot. This standard is not applicable to heel open shoes.

Keel: en
Alusdokumendid: ISO/DIS 19410-1; prEN ISO 19410-1

Arvamusküsitluse lõppkuupäev: 12.02.2022

75 NAFTA JA NAFTATEHNOLOOGIA

EN 12916:2019/prA1
Petroleum products - Determination of aromatic hydrocarbon types in middle distillates - High performance liquid chromatography method with refractive index detection

This document specifies a test method for the determination of the content of mono-aromatic, di-aromatic and tri+-aromatic hydrocarbons in diesel fuels, paraffinic diesel fuels and petroleum distillates. This document defines two procedures, A and B. Procedure A is applicable to diesel fuels that may contain fatty acid methyl esters (FAME) up to 30 % (V/V) (as in [1], [2] or [3]) and petroleum distillates in the boiling range from 150 °C to 400 °C (as in [4]. Procedure B is applicable to paraffinic diesel fuels with up to 7 % (V/V) FAME. This procedure does not contain a dilution of the sample in order to determine the low levels of aromatic components in these fuels. The polycyclic aromatic hydrocarbons content is calculated from the sum of di-aromatic and tri+-aromatic hydrocarbons and the total content of aromatic compounds is calculated from the sum of the individual aromatic hydrocarbon types. Compounds containing sulfur, nitrogen and oxygen can interfere in the determination; mono-alkenes do not interfere, but conjugated di-alkenes and poly-alkenes, if present, can do so. NOTE 1 For the purpose of this European Standard, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction, μ, and the volume fraction, φ, of a material respectively. NOTE 2 By convention, the aromatic hydrocarbon types are defined on the basis of their elution characteristics from the specified liquid chromatography column relative to model aromatic compounds. Their quantification is performed using an external calibration with a single aromatic compound for each of them, which may or may not be representative of the aromatics present in the sample. Alternative techniques and test methods may classify and quantify individual aromatic hydrocarbon types differently. NOTE 3 Backflush is part of laboratory-internal maintenance. WARNING - The use of this standard can involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this standard to take appropriate measures to ensure the safety and health of personnel prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

Keel: en
Alusdokumendid: EN 12916:2019/prA1
Muudab dokumenti: EVS-EN 12916:2019

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 15691

Ethanol as a blending component for petrol - Determination of dry residue (involatile material) - Gravimetric method

This European Standard specifies a procedure for the determination of dry residue in ethanol by gravimetric (desiccation) method in the range (10 to 25) mg/100 ml. NOTE In an interlaboratory study [2] the method described has been tested at levels down to 3,5 mg/100 ml, but the precision appeared to be insufficient at such low levels. WARNING - Use of this document may involve hazardous equipment, materials and operations. This method does not purport to address to all of the safety problems associated with its use, but it is the responsibility of the user to search and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: prEN 15691
Asendab dokumenti: EVS-EN 15691:2009

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 15940

Automotive fuels - Paraffinic diesel fuel from synthesis or hydrotreatment - Requirements and test methods

This European Standard describes requirements and test methods for marketed and delivered paraffinic diesel fuel containing a level of up to 7,0 % (V/V) fatty acid methyl ester (FAME). It is applicable to fuel for use in diesel engines and vehicles compatible with paraffinic diesel fuel. It defines two classes of paraffinic diesel fuel: high cetane and normal cetane. Paraffinic diesel fuel originates from synthesis or hydrotreatment processes. NOTE 1 For general diesel engine warranty, paraffinic automotive diesel fuel may need a validation step, which for some existing engines may still need to be done (see also the Introduction to this document). The vehicle manufacturer needs to be consulted before use. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

Keel: en
Alusdokumendid: prEN 15940
Asendab dokumenti: EN 15940:2016+A1:2018+AC:2019
Asendab dokumenti: EVS-EN 15940:2016+A1:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 24187

Principles for the analysis of plastics and microplastics present in the environment (ISO/DIS 24187:2021)

Development of technical principles, which will be used across the board for future standardization projects on testing methods for plastics and microplastics in various matrices (in particular water, soil, compost, sewage sludge, biota). This includes the following:: - Description of necessary working conditions in the laboratory - Description of necessary working conditions in the field - safety instructions - Proposals for harmonisation of size classes to be considered - Proposals to harmonise the indication of results - Notes on matrix-specific particularities with regard to the representativeness of the results

Keel: en
Alusdokumendid: ISO/DIS 24187; prEN ISO 24187

Arvamusküsitluse lõppkuupäev: 12.02.2022

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 4628-5

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 5: Assessment of degree of flaking (ISO/DIS 4628-5:2021)

ISO 4628-5:2016 specifies a method for assessing the degree of flaking of coatings by comparison with pictorial standards. ISO 4628-1 defines the system used for designating the quantity and size of defects and the intensity of changes in appearance of coatings and outlines the general principles of the system. This system is intended to be used, in particular, for defects caused by ageing and weathering, and for uniform changes such as colour changes, for example yellowing.

Keel: en
Alusdokumendid: ISO/DIS 4628-5; prEN ISO 4628-5
Asendab dokumenti: EVS-EN ISO 4628-5:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 7784-3

Paints and varnishes - Determination of resistance to abrasion - Part 3: Method with abrasive-paper covered wheel and linearly reciprocating test specimen (ISO/DIS 7784-3:2021)

ISO 7784-3:2016 specifies a method for determining the resistance to abrasion of coatings, for which a loaded, rigid abrasive-paper covered wheel affects the coating of the linearly reciprocating test specimen.

Keel: en
Alusdokumendid: ISO/DIS 7784-3; prEN ISO 7784-3
Asendab dokumenti: EVS-EN ISO 7784-3:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

91 EHITUSMATERJALID JA EHITUS

prEN 14154-4
Water meters - Part 4: Additional functionalities

This document specifies definitions, requirements and testing of additional functionalities for water meters, without metrological impact, in combination with Additional Functionality Devices (AFD) and in response to EU/EFTA Mandate M/441 EN. These AFDs are considered as "ancillary devices" as defined in EN ISO 4064-1:2017 and EN ISO 4064-4:2014. This document does not cover the changing of metrological software within the meter or the upload/download of metrological software. NOTE A manufacturer can claim compliance only for additional functionalities described in this document. It is not mandatory that an AFD complies with all additional functionalities described herein.

Keel: en
Alusdokumendid: prEN 14154-4
Asendab dokumenti: EVS-EN 14154-4:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-5-3:2021
Electrcity metering data exchange - The DLMS/COSEM suite - Part 5-3: DLMS/COSEM application layer

This part of IEC 62056 specifies the DLMS®/COSEM application layer in terms of structure, services and protocols for DLMS®/COSEM clients and servers, and defines rules to specify the DLMS®/COSEM communication profiles. It defines services for establishing and releasing application associations, and data communication services for accessing the methods and attributes of COSEM interface objects, defined in IEC 62056-6-2:2021 using either logical name (LN) or short name (SN) referencing. Annex A (normative) defines how to use the COSEM application layer in various communication profiles. It specifies how various communication profiles can be constructed for exchanging data with metering equipment using the COSEM interface model, and what are the necessary elements to specify in each communication profile. The actual, media-specific communication profiles are specified in separate parts of the IEC 62056 series. Annex B (normative) specifies the SMS short wrapper. Annex C (normative) specifies the gateway protocol. Annex D, Annex E and Annex F (informative) include encoding examples for APDUs. Annex G (normative) provides NSA Suite B elliptic curves and domain parameters. Annex H (informative) provides an example of an End entity signature certificate using P-256 signed with P-256. Annex I (normative) specifies the use of key agreement schemes in DLMS®/COSEM. Annex J (informative) provides examples of exchanging protected xDLMS APDUs between a third party and a server. Annex K (informative) lists the main technical changes in this edition of the standard.

Keel: en
Alusdokumendid: IEC 62056-5-3 ED4; prEN IEC 62056-5-3:2021
Asendab dokumenti: EVS-EN 62056-5-3:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-1:2021
Electricity metering data exchange - The DLMS/COSEM suite - Part 6-1: Object Identification System (OBIS)

This part of IEC 62056 specifies the overall structure of the OBject Identification System (OBIS) and the mapping of all commonly used data items in metering equipment to their identification codes. OBIS provides a unique identifier for all data within the metering equipment, including not only measurement values, but also abstract values used for configuration or obtaining information about the behaviour of the metering equipment. The ID codes defined in this document are used for the identification of: - logical names of the various instances of the ICs, or objects, as defined in IEC 62056-6-2:2021; - data transmitted through communication lines; - data displayed on the metering equipment, see Clause A.2. This document applies to all types of metering equipment, such as fully integrated meters, modular meters, tariff attachments, data concentrators, etc. To cover metering equipment measuring energy types other than electricity, combined metering equipment measuring more than one type of energy or metering equipment with several physical measurement channels, the concepts of medium and channels are introduced. This allows meter data originating from different sources to be identified. While this document fully defines the structure of the identification system for other media, the mapping of non-electrical energy related data items to ID codes is completed separately. NOTE EN 13757-1:2014 defines identifiers for metering equipment other than electricity: heat cost allocators, thermal energy, gas, cold water and hot water.

Keel: en
Alusdokumendid: IEC 62056-6-1 ED4; prEN IEC 62056-6-1:2021
Asendab dokumenti: EVS-EN 62056-6-1:2017

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62056-6-2:2021

Electricity metering data exchange - The DLMS/COSEM suite - Part 6-2: COSEM interface classes

This part of IEC 62056 specifies a model of a meter as it is seen through its communication interface(s). Generic building blocks are defined using object-oriented methods, in the form of interface classes to model meters from simple up to very complex functionality. Annexes A to F (informative) provide additional information related to some interface classes.

Keel: en
Alusdokumendid: IEC 62056-6-2 ED4; prEN IEC 62056-6-2:2021
Asendab dokumenti: EVS-EN IEC 62056-6-2:2018

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN IEC 62947:2021

Electrically operated spray toilet seat for household and similar use - Methods for measuring the performance - General test methods of spray seats

This International Standard specifies test methods to measure the performance of electrically operated spray seats for household and similar use. This standard applies to spray seats including tank-type spray seats, instantaneous-type spray seats and combination-type spray seats. This document does not apply to the electrically operated spray seats that are intended for medical and/or assistive functions NOTE: This International Standard does not specify acoustical noise requirements for electrical spray seats. Acoustical noise measurements are specified in IEC 60704-1 and IEC 60704-2-x.

Keel: en
Alusdokumendid: IEC 62947 ED1; prEN IEC 62947:2021

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEVS 835

Hoone veevärk
Water supply systems inside buildings

See standard kehtib hoone veevärkidele, mis on ühendatud ühisveevärgiga või kohaliku veevarustusallikaga. Hoone veevärgi all mõistetakse hoonesisest külma- ja soojaveetorustikku koos toruarmatuuriga, veevarustusseadmeid ja maa-alust veetoru hoone piires kuni vundamendini (vt joonis 1.1). Standardi nõudeid tuleb täita nii uue hoone veevärgi projekteerimisel, paigaldamisel ja katsetamisel kui ka olemasolevate veevärkide remondil ja ümberehitusel.

Keel: et
Asendab dokumenti: EVS 835:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEVS 844

Hoonete kütte projekteerimine
Design of heating for buildings

Selles Eesti standardis määratakse nõuded Eesti Vabariigis ehitatavate ja rekonstrueeritavate elu-, üldkasutatavate ja tööstushoonete kütte projekteerimisel. Selles standardis käsitletakse nii välisõhu kui ka ruumide siseõhu arvutuslikke temperatuure, küttesüsteemi valikut hoonetüübi järgi, soovitatavaid vee kiirusi ja rõhukadusid küttetorustikes, küttesüsteemi peale- ja tagasivooluvee temperatuure, liigsoojuse arvestamist ruumides, küttekehade valikut ja paigutusviise, reguleerimis- ja sulgemisarmatuure, torumaterjale ning soojuse säästlikku kasutamist.

Keel: et
Asendab dokumenti: EVS 844:2016

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEVS 921

Veevarustuse välisvõrk
Water supply systems outside buildings

See Eesti standard on rakendatav omandivormist sõltumata veevarustuse välisvõrkudele, sealhulgas veevõrgule alates veetöötlusjaamast või puurkaev-pumplast kuni hoonete välisseinani. Standard on aluseks veevõrgu projekteerimisel, veetorustike dimensioonimisel ja pumpade ning teiste abiseadmete valimisel ning on kasutatav nii uue veevõrgu rajamisel kui ka olemasoleva veevõrgu laiendamisel ja ümberehitamisel. Standardis määratakse kindlaks funktsionaalsed nõuded veevarustuse välisvõrgule seoses planeerimise, projekteerimise, ehitamise, käitamise, hoolduse ja ekspluatatsiooniga ning tegevused nõuete täitmiseks. Veekäitluses sisaldub veehaare, veetöötlus, vee säilitamine ja edastamine (veevarustuse välisvõrk/ jaotamine) tarbijale (vt joonis 1). Veehaarde-veeallika valikul juhinduda asjakohastest õigusaktidest ja standardist EVS 847-1, vee töötlemisel juhinduda standardist EVS-847-2, vee jaotamisel tarbijale juhinduda asjakohastest õigusaktidest ja standardites EVS 921 ja EVS 835.

Keel: et
Asendab dokumenti: EVS 921:2014

Arvamusküsitluse lõppkuupäev: 12.02.2022

95 SÕJANDUS. SÕJALISED EHITISED (SÕJATEHNIKA). RELVAD

prEN ISO 17201-6

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

This document specifies methods for recording the time history of the sound pressure produced either by shooting with calibres of less than 20 mm, or by detonation of explosive charges of less than 50 g TNT equivalent, within the shooting range at locations of interest, regarding the exposure to sound of the shooter, or any other person within the shooting range. The time history of the sound pressure can be the basis for further analyses of this type of sound at the locations of interest.

Keel: en
Alusdokumendid: ISO 17201-6:2021; prEN ISO 17201-6

Arvamusküsitluse lõppkuupäev: 12.02.2022

97 OLME. MEELELAHUTUS. SPORT

EN 60335-2-52:2003/prAC:2021

Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for appliances for oral hygiene appliances

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

Keel: en
Alusdokumendid: EN 60335-2-52:2003/prAC:2021
Muudab dokumenti: EN 60335-2-52:2003/prA2
Muudab dokumenti: EVS-EN 60335-2-52:2003

Arvamusküsitluse lõppkuupäev: 12.02.2022

FprEN IEC 60335-2-81:2021/prA2:2021

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

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

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A2:2020; FprEN IEC 60335-2-81:2021/prA2:2021
Muudab dokumenti: FprEN IEC 60335-2-81:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

FprEN IEC 60335-2-81:2021/prAA:2021

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

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

Keel: en
Alusdokumendid: FprEN IEC 60335-2-81:2021/prAA:2021
Muudab dokumenti: FprEN IEC 60335-2-81:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 12616

Surfaces for sports areas -Test methods for the determination of vertical water infiltration and horizontal water flow rates

This European Standard has two parts. Part 1 specifies four methods for the determination of the vertical water infiltration rate of different types of sports surfacing. Method A is suitable for measuring the vertical water infiltration rate of synthetic, textile and synthetic turf sports surfaces in the laboratory. Method B is suitable for on-site measurements of the Vertical Water Infiltration Rate of synthetic, textile, synthetic turf and bound mineral sports surfaces. Method C is suitable for on-site measurements of the vertical water infiltration rate of natural turf sports surfaces. Method D is suitable for measuring the for on-site measurements of the vertical water infiltration rate of unbound mineral sports surfaces. NOTE For filled synthetic turf and unbound mineral surfaces, laboratory tests are considered to give a more precise indication of how a surface will perform. Part 2 specifies a method for determining the horizontal water flow rate of synthetic, textile and synthetic turf surfaces in the laboratory.

Keel: en
Alusdokumendid: prEN 12616
Asendab dokumenti: EVS-EN 12616:2013

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 14434

Writing boards for educational institutions - Ergonomic, technical and safety requirements and their test methods

This document specifies ergonomic, technical and safety requirements for wall mounted and free-standing writing boards for use in rooms for educational and training purposes, e.g. classrooms, lecture theatres for schools, universities, etc. This document applies to units after installation. Safety depending on the structure of the building is not included, e.g. the strength of wall mounted boards includes only the board and its parts. The wall and the wall attachment are not included. This document does not apply to technical aspects of connected hardware, such as computers, speakers, video cameras. Requirements concerning electrical safety are not included. Annex A (normative) includes an assessment scale for the ability to write and erase. Annex B (normative) Requirements for Projecting White boards. Annex C (informative) Requirements for Projecting White boards. Annex D (normative) Requirements for interactive systems. Annex E (informative) Requirements for interactive systems. Annex F (normative) Requirements for interactive screens. Annex G (informative) Requirements for interactive screens. Annex H (normative) Surface flatness test. Annex I (informative) Vibration test.

Keel: en
Alusdokumendid: prEN 14434
Asendab dokumenti: EVS-EN 14434:2010

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN 1729-2

Furniture - Chairs and tables for educational institutions - Part 2: Safety requirements and test methods

This document specifies safety requirements and test methods for chairs and tables for general educational purposes in educational institutions including kindergarten, childcare institutions and early years education settings. It applies to furniture for use with laptop computers or portable devices, but not to special purpose workstations, e.g. laboratories, ranked seating and workshops. The chairs fulfilling the applicable requirements of this document are suitable for users weighing up to 110 kg. The figures illustrate test principles only and cannot be used to carry out the tests. NOTE EN 1729-1 specifies functional dimensions and marking of chairs and tables for general educational purposes. Annex A (informative) Test method for determination of the displacement of chairs placed on tabletops.

Keel: en
Alusdokumendid: prEN 1729-2
Asendab dokumenti: EVS-EN 1729-2:2012+A1:2015

Arvamusküsitluse lõppkuupäev: 12.02.2022

prEN ISO 17201-6

Acoustics - Noise from shooting ranges - Part 6: Sound pressure measurements close to the source for determining exposure to sound (ISO 17201-6:2021)

This document specifies methods for recording the time history of the sound pressure produced either by shooting with calibres of less than 20 mm, or by detonation of explosive charges of less than 50 g TNT equivalent, within the shooting range at locations of interest, regarding the exposure to sound of the shooter, or any other person within the shooting range. The time history of the sound pressure can be the basis for further analyses of this type of sound at the locations of interest.

Keel: en
Alusdokumendid: ISO 17201-6:2021; prEN ISO 17201-6

Arvamusküsitluse lõppkuupäev: 12.02.2022

TÕLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

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

EVS-EN IEC 62934:2021

Taastuvenergia tootmise võrguga ühendamine. Terminid ja määratlused

Käesolevas terminidokumendis esitatakse terminid ja määratlused taastuvenergia tootmise võrku ühendamise teemavaldkonnas. Võrguga ühendamise tehnilised küsimused keskenduvad peamiselt väljakutsetele, mis on põhjustatud taastuvenergia tootmisest muutuvate allikate ja/või muudurpõhise tehnoloogia abil, nagu tuule- ja fotogalvaaniline energiatootmine. Mõned taastuvenergia tootmisvõimalused, nagu hüdro- ja biomassi energia, millel on suhteliselt pidevalt kättesaadav primaarenergiaallikas ja pöörlev generaator, on tavapärased tootmisallikad, mistõttu neid käesolev dokument ei hõlma. Selle dokumendi eesmärk on vastata küsimusele „mida sõnad tähendavad“, mitte aga „millistel tingimustel need tingimused kehtivad“.

Keel: et
Alusdokumendid: IEC 62934:2021; EN IEC 62934:2021

Kommenteerimise lõppkuupäev: 13.01.2022

prEN ISO 12543-6

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas. Välimus

Selles dokumendis määratletakse lõpliku suurusega lamineeritud klaasi ja lamineeritud turvaklaasi defektid ja välimuse hindamise katsemeetodi läbi klaasi vaadatuna. Kõik selles dokumendis esitatud viited lamineeritud klaasile viitavad nii lamineeritud klaasile kui ka lamineeritud turvaklaasile. MÄRKUS Erilist tähelepanu pööratakse aktsepteeritavuse kriteeriumidele vaateväljas. See dokument kehtib tarnitavatele lõplikele suurustele.

Keel: et
Alusdokumendid: ISO/DIS 12543-6; prEN ISO 12543-6

Kommenteerimise lõppkuupäev: 13.01.2022

prEN ISO 9712

Mittepurustav katsetamine. NDT personali kvalifikatsioon ja sertifitseerimine

Käesolev dokument sätestab kvalifitseerimise ja sertifitseerimise nõuded personalile, kes viivad läbi tööstuslikke mittepurustavaid katsetusi (NDT) järgmiste meetoditega. a) akustilise emissiooni katsetus, b) pöörisvoolu katsetus, c) infrapunatermograafiline katsetus, d) lekkekatse (välja arvatud hüdraulilised survekatsed), e) magnetkatsetus, f) penetrantkatsetus, g) radiograafiline katsetus, h) tensomeetrikatse, i) ultrahelikatsetus, j) visuaalne katsetus (välja arvatud otsesed palja silmaga tehtavad visuaalsed katsed ja visuaalsed katsed, mis tehakse muu NDT meetodi rakendamisel). Käesolevas dokumendis sätestatud süsteem on kohaldatav ka muudele NDT meetoditele või kindlaks määratud NDT meetodi ulatuses uutele NDT tehnikatele eeldusel, et olemas on kõikehõlmav sertifitseerimiskava ning et meetod või tehnika kuulub rahvusvahelise, piirkondliku või rahvusliku standardi käsitlusalasse või et uue NDT meetodi või tehnika efektiivsust on demonstreeritud sertifitseerimisasutusele. MÄRKUS 1 Mõiste „tööstuslik“ vihjab meditsiinivaldkonna rakenduste välistamisele. MÄRKUS 2 CEN/TR 14748 sisaldab juhiseid mittepurustavate katsete kvalifitseerimise metoodika kohta. MÄRKUS 3 Käesolev dokument sätestab nõuded tegelikult kolmanda poole vastavushindamiskavadele. Need nõuded ei ole otseselt kohaldatavad teise või esimese poole tehtavale vastavushindamisele, ent käesoleva dokumendi asjakohaste osade poole võib selliste kokkulepete puhul pöörduda. MÄRKUS 4 Mõiste "otsene visuaalne kontroll ilma abita" tähendab, et vaatleja silmast katsealasse kulgeb katkematu optiline tee ja vaatleja ei kasuta tööriistu ega seadmeid (nt peeglit, endoskoopi, fiiberoptikat). MÄRKUS 5 Muudel NDT meetoditel põhinevad koormuse arvutused on välistatud.

Keel: et
Alusdokumendid: ISO/DIS 9712; prEN ISO 9712

Kommenteerimise lõppkuupäev: 13.01.2022

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

Algupärase Eesti standardi ülevaatus toimub üldjuhul iga viie aasta järel ning selle eesmärk on kontrollida standardi tehnilist taset, vastavust aja nõuetele, vastavust kehtivatele õigusaktidele, kooskõla rahvusvaheliste või Euroopa standarditega jne.

Ülevaatuse tulemusena jäetakse standard kehtima, algatatakse standardi muudatuse või uustöötluse koostamine, tühistatakse standard või asendatakse see ülevõetava Euroopa või rahvusvahelise standardiga.

PIKENDAMISKÜSITLUS

EVS 934:2016

Pinnas. Katsemeetodid ja katseseadmed. Plaatkoormuskatse
Soil - Testing procedures and testing equipment - Plate load test

See standard on kavandatud kasutamiseks pinnasetöödel ja vundamendiehitustel ning ka tee-ehituses. Plaatkoormuskatsega määratakse vajumi sõltuvus koormusest (koormus-vajumi graafik), saadud graafiku alusel määratud deformatsioonimooduli EV ja aluse reaktsioonimooduli ks abil saab hinnata pinnaste deformeeritavust ja tugevust.

Pikendamisküsitluse lõppkuupäev: 13.01.2022

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 2382-30:2003

Infotehnoloogia. Sõnastik. Osa 30: Raalnägemine
Information technology - Vocabulary - Part 30: Computer vision

Standard on mõeldud soodustama rahvusvahelist suhtlust infotehnoloogias. Ta esitab infotehnoloogia valdkonna jaoks oluliste valitud mõistete terminid ja määratlused kahes keeles ning määratleb artiklite vahelised seosed. Teistesse keeltesse tõlkimise hõlbustamiseks on määratlused kavandatud nii, et võimalikult välistada ühele keelele omaseid iseärasusi. Standard määratleb raalnägemisega seotud mõisteid.

Kehtima jätmise alus: EVS/TK 04 otsus 08.10.2021 2-8/61 ja teade pikendamisküsitlusest 01.11.2021 EVSTeatajas

EVS 2382-33:2003

Infotehnoloogia. Sõnastik. Osa 33: Hüpermeedium ja multimeedium
Infoformation technology - Vocabulary - Part 33: Hypermedia and multimedia

Standard on mõeldud soodustama rahvusvahelist suhtlust infotehnoloogias. Ta esitab infotehnoloogia valdkonna jaoks oluliste valitud mõistete terminid ja määratlused kahes keeles ning määratleb artiklite vahelised seosed. Teistesse keeltesse tõlkimise hõlbustamiseks on määratlused kavandatud nii, et võimalikult välistada ühele keelele omaseid iseärasusi. Standard määratleb hüpermeediumiga ning multimeediumiga seotud mõisteid.

Kehtima jätmise alus: EVS/TK 04 otsus 08.10.2021 2-8/61 ja teade pikendamisküsitlusest 01.11.2021 EVSTeatajas

EVS 2382-35:2003

Infotehnoloogia. Sõnastik. Osa 35: Võrgundus
Information technology - Vocabulary - Part 35: Networking

Standard on mõeldud soodustama rahvusvahelist suhtlust infotehnoloogias. Ta esitab infotehnoloogia valdkonna jaoks oluliste valitud mõistete terminid ja määratlused kahes keeles ning määratleb artiklite vahelised seosed. Teistesse keeltesse tõlkimise hõlbustamiseks on määratlused kavandatud nii, et võimalikult välistada ühele keelele omaseid iseärasusi. Standard määratleb võrgundusega seotud mõisteid.

Kehtima jätmise alus: EVS/TK 04 otsus 08.10.2021 2-8/61 ja teade pikendamisküsitlusest 01.11.2021 EVSTeatajas

EVS 2382-37:2003

Infotehnoloogia. Sõnastik. Osa 37: Virtuaalreaalsus
Information technology - Vocabulary - Part 37: Virtual reality

Standard on mõeldud soodustama rahvusvahelist suhtlust infotehnoloogias. Ta esitab infotehnoloogia valdkonna jaoks oluliste valitud mõistete terminid ja määratlused kahes keeles ning määratleb artiklite vahelised seosed. Teistesse keeltesse tõlkimise hõlbustamiseks on määratlused kavandatud nii, et võimalikult välistada ühele keelele omaseid iseärasusi. Standard määratleb virtuaalreaalsusega seotud mõisteid.

Kehtima jätmise alus: EVS/TK 04 otsus 08.10.2021 2-8/61 ja teade pikendamisküsitlusest 01.11.2021 EVSTeatajas

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 standardilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

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

EVS-EN 12759:2002

Rubber- or plastic-coated fabrics - Determination of resistance to liquids

This European Standard describes two methods of evaluating the resistance of fabrics coated ith plastics or with vulcanised rubber to th action of liquids by measurement of selected properties of the materials before and after immrsion in selected liquids.

Keel: en
Alusdokumendid: EN 12759:2001
Tühistamisküsitluse lõppkuupäev: 13.01.2022

EVS-EN ISO 15002:2008/A1:2019

Meditsiinilise gaasi torusüsteemide liitmikega ühendatavad voolamise mõõteseadmed. Muudatus 1
Flow-metering devices for connection to terminal units of medical gas pipeline systems - Amendment 1 (ISO 15002:2008/Amd 1:2018)

Amendment for EN ISO 15002:2008

Keel: en
Alusdokumendid: ISO 15002:2008/Amd 1:2018; EN ISO 15002:2008/A1:2019
Tühistamisküsitluse lõppkuupäev: 13.01.2022

EVS-EN ISO 15540:2003

Ships and marine technology - Fire resistance of hose assemblies - Test methods

This standard specifies a test procedure for determining the fire resistance of hose assemblies with the nominal diameters of at least 100 mm. It serves for proving whether after the period of fire effect on the test bench specified in ISO 15541, hose assemblies continue to be tight, even when subjected to proof pressure.

Keel: en
Alusdokumendid: ISO 15540:1999; EN ISO 15540:2001
Tühistamisküsitluse lõppkuupäev: 13.01.2022

EVS-EN ISO 15541:2003

Ships and marine technology - Fire resistance of hose assemblies - Requirements for the test bench

This standard specifies requirements on a test bench to determine the fire resistance of hose assemblies, in particular by tests according to ISO 15540, up to at least 100 mm nominal diameter. During the exposure to flames, there are possible working pressure up to 10 bar.

Keel: en
Alusdokumendid: ISO 15541:1999; EN ISO 15541:2001
Tühistamisküsitluse lõppkuupäev: 13.01.2022

EVS-ISO 8466-1:2004

Vee kvaliteet. Analüütiliste meetodite kalibreerimine ja hindamine ning jõudluskarakteristikute hindamine. Osa 1: Lineaarse kalibreerimisfunktsiooni statistiline hindamine
Water quality - Calibration and evaluation of analytical methods and estimation of performance characteristics - Part 1: Statistical evaluation of the linear calibration function

Kirjeldab samme selle funktsiooni statistiliste karakteristikute hindamiseks. See on rakendatav kalibreerimist vajavate meetodite puhul. Selleks, et tuletada võrreldavaid analüütilisi tulemusi ja et oleks alus analüütilisele kvaliteedikontrollile, tuleb kalibreerida ja hinnata samaaegselt. See ISO 8466 osa kirjeldab samme lineaarse kalibreerimisfunktsiooni statistiliste karakteristikute hindamiseks. See on rakendatav kalibreerimist vajavate meetodite puhul. Selle rahvusvahelise standardi edasised osad katavad tuvastuspiiri määramise ja tuvastuspiiri, interferentside mõju ja teised jõudluskarakteristikud. See on mõeldud ainult puhta analüütilise meetodi hindamiseks ja kalibreerimisfunktsiooni jõudluskarakteristikute arvutamiseks. Selleks, et tuletada võrreldavaid analüütilisi tulemusi ja et oleks alus analüütilisele kvaliteedikontrollile, tuleb analüütilisi meetodeid kalibreerida ja hinnata samaaegselt.

Keel: en
Alusdokumendid: ISO 8466-1:1990
Tühistamisküsitluse lõppkuupäev: 13.01.2022

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN ISO 4787:2021

Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use (ISO 4787:2021)

Eeldatav avaldamise aeg Eesti standardina 02.2022

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

CEN/TR 15941:2010

Ehitiste jätkusuutlikkus. Toote keskkonnadeklaratsioon. Üldandmete valiku ja kasutamise meetodid
Sustainability of construction works - Environmental product declarations - Methodology for selection and use of generic data

This Technical Report supports the development of Environmental Product Declarations (EPD). It assists in using generic data according to the core product category rules (prEN 15804) during the preparation of EPD of construction products, processes and services in a consistent way, and also in the application of generic data in the environmental performance assessment of buildings according to prEN 15978. The requirements for the use of generic data are described in prEN 15804.

EVS-EN 10253-2:2021

Põkk-keevitusega toruliitmikud. Osa 2: Erijärelevalvenõuetega legeerimata ja ferriitsed legeerterased
Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements

See dokument spetsifitseerib tehnilised tarnenõuded õmbluseta ja keevitatud liitmikele (põlved, kontsentrilised ja ekstsentrilised siirdmikud, võrdsed ja kitsama haruga kolmikud, otsakud), mis on valmistatud süsinik- ja legeerterasest kahes katsekategoorias ning on ette nähtud kasutamiseks surve all, toatemperatuuril, madalal temperatuuril või kõrgendatud temperatuuril, vedelike ja gaaside edastamiseks ja jaotamiseks. Standard spetsifitseerib: a) liitmike tüübi: tüüp A: põkk-keevitatavad liitmikud, vähendatud rõhuteguriga; tüüp B: põkk-keevitatavad liitmikud kasutamiseks täistöörõhul; b) terasklassid ja nende keemilised koostised; c) mehaanilised omadused; d) mõõtmed ja tolerantsid; e) nõuded järelevalvele ja katsetamisele; f) järelevalvedokumendid; g) märgistamise; h) kaitsmise ja pakendamise. MÄRKUS Sobiva liitmiku (materjal, paksus) valiku eest vastutab lõppkokkuvõttes surveseadme tootja (vt surveseadmete Euroopa õigusaktid). Materjalide ühtlustatud tugistandardite puhul piirdub põhilistele ohutusnõuetele vastavuse eeldus standardis esitatud materjalide tehniliste andmetega ega tähenda seda, et materjal sobib konkreetsele seadmele. Seetõttu tuleb materjalistandardis esitatud tehnilisi andmeid hinnata kõnealuse seadme konstruktsioonile esitatavate nõuete alusel, et tagada surveseadmete direktiivi (PED) põhiliste ohutusnõuete järgimine.

EVS-EN 13121-1:2021

GRP-paagid ja -mahutid maapealseks kasutamiseks. Osa 1: Toormaterjalid. Spetsifikatsioonitingimused ja aktsepteerimise kriteeriumid
GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance criteria

Selles dokumendis esitatakse nõuded maapealseks kasutamiseks mõeldud vedelike ladustamiseks või töötlemiseks, vooderdatud või vooderdamata, tehases tehtud või objektil ehitatud, survevabade või survealuste GRP-paakide ja -mahutite toormaterjalide spetsifikatsioonile ja vastuvõtutingimustele. Koos standardis EN 13121-3:2016 kindlaksmääratud survet kandvate materjalide tootmise põhimõtetega tagavad toormaterjalide spetsifikatsioonitingimused ja vastuvõtutingimused, et paak või mahuti suudab täita oma kavandamisnõudeid, eriti oma nõudeid keemilisele/termilisele vastupidavusele ning rõhule ja koormustaluvusele. MÄRKUS Toidu, toidu toormaterjalide ja joogivee ladustamiseks või töötlemiseks mõeldud paagid ja mahutid peavad vastama asjakohastele EL-i direktiividele ning kehtivatele rahvuslikele standarditele ja riiklikele eeskirjadele.

EVS-EN 14885:2018

Keemilised desinfektsioonivahendid ja antiseptikumid. Keemiliste desinfektsioonivahendite ja antiseptikumide Euroopa standardite rakendamine
Chemical disinfectants and antiseptics - Application of European Standards for chemical disinfectants and antiseptics

Selles dokumendis täpsustatakse Euroopa standardid, millele tooted peavad vastama, et toetada selles Euroopa standardis osutatud väiteid mikrobitsiidse toime kohta. Selles dokumendis täpsustatakse ka Euroopa standardis kasutatavad terminid ja määratlused. Seda kohaldatakse toodete suhtes, mille puhul väidetakse toimet järgmiste mikroorganismide suhtes: vegetatiivsed bakterid (sealhulgas mükobakterid ja Legionella), bakteriaalsed spoorid, pärmseened, seene spoorid ja viirused (sealhulgas bakteriofaagid). See on ette nähtud: a) võimaldama toodete tootjatel valida sobivad standardid, mida kasutada andmete esitamiseks, mis toetavad nende väiteid konkreetse toote kohta; b) võimaldama toote kasutajatel hinnata tootja esitatud teavet kasutusotstarbe kohta, mille jaoks nad kavatsevad toodet kasutada; c) aitama reguleerivatel asutusel hinnata tootja või toote turuleviimise eest vastutava isiku esitatud nõudeid. Seda kohaldatakse toodete suhtes, mida kasutatakse inimmeditsiinis, veterinaarias ning toidu-, tööstuse-, kodumajapidamis- ja ametkondlikus valdkonnas. Inimmeditsiini valdkonnas kohaldatakse seda keemiliste desinfektsioonivahendite ja antiseptikumide suhtes, mida kasutatakse piirkondades ja olukordades, kus on meditsiiniliselt osutatud desinfektsioonile või antiseptikale. Sellised näidustused esinevad patsiendi hooldamisel: — haiglates, kogukonna meditsiiniasutustes ja hambaraviasutustes, — koolide, lasteaedade ja hooldekodude kliinikutes, — ja võib esineda ka töökohal ja kodus. See võib hõlmata ka selliseid teenuseid nagu pesumaja ja köögid, mis tarnivad tooteid otse patsiendile. Veterinaarias on see kasutatav keemiliste desinfektsioonivahendite ja antiseptikumide jaoks, mida kasutatakse aretuses, loomakasvatuses, veterinaarhooldusasutustes, tootmisel, loomade transportimisel ja kõrvaldamisel.

Seda ei kohaldata keemiliste desinfektsioonivahendite suhtes, mida kasutatakse toiduahelas pärast surma ja töötlevasse tööstusesse sisenemist. Toidu-, tööstuse-, kodumajapidamis- ja ametkondlikes valdkondades on see kohaldatav loomset või taimset päritolu toidu töötlemisel, turustamisel ja jaemüügil kasutatavate keemiliste desinfektsioonsvahendite ja antiseptikumide suhtes. See kehtib ka toodete kohta kõikides avalikes kohtades, kus desinfektsioon ei ole meditsiiniliselt näidustatud (kodud, toitlustus, koolid, lasteaiad, transport, hotellid, kontorid jne), ja toodetele, mida kasutatakse pakendite, biotehnoloogia-, farmaatsia-, kosmeetika- jms tööstuses. See dokument on kohaldatav ka väljatöötamisel olevatele toimeainetele ja toodetele, mille rakendusala pole veel kindlaks määratud. See dokument ei viita toodete või toimeainete toksikoloogiliste ja ökotoksikoloogiliste omaduste katsetamise meetoditele.

EVS-EN IEC 61557-1:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1: Üldnõuded
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements (IEC 61557-1:2019)

Standardisarja IEC 61557 see osa määratleb põhinõuded mõõte- ja seireseadmetele elektriohutuse kontrollimisel madalpingevõrkudes ja -paigaldistes nimi-vahelduvpingega kuni 1000 V ja nimi-alalispingega kuni 1500 V. Kui mõõteseade või mõõtepaigaldis on ette nähtud mitme selles standardisarjas käsitletava mõõtmise sooritamiseks, tuleb iga sellise mõõtmistoimingu puhul rakendada standardisarja vastavat osa. MÄRKUS Mõõteseadmete all mõistetakse edaspidi kõiki katsetus-, mõõte- ja seireseadmeid. Standardisarja IEC 61557 teised osad käsitlevad lisanõudeid või kõrvalekaldeid. See standard ei käsitle funktsionaalset ohutust ega küberturvalisust.

EVS-EN IEC 61557-2:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2: Isolatsioonitakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance (IEC 61557-2:2019)

Standardisarja IEC 61557 see osa sätestab nõuded pingestamata olekus elektripaigaldiste ja -seadmete isolatsioonitakistuse mõõtmiseks kasutatavatele seadmetele.

EVS-EN IEC 61557-4:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4: Maandusjuhtide ja potentsiaaliühtlustusjuhtide takistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding (IEC 61557-4:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandusjuhtide, kaitsejuhtide ja potentsiaali-ühtlustusjuhtide (kaasaarvatult nende ühenduste ja klemmide) takistuse mõõteseadmetele, mis näitavad mõõdetud väärtust või piirväärtusi.

EVS-EN IEC 61557-5:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5: Maandustakistus
Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 5: Resistance to earth (IEC 61557-5:2019)

Standardisarja IEC 61557 see osa sätestab nõuded maandustakistuse mõõteseadmetele, milles kasutatakse vahelduvvoolu.

EVS-EN IEC 61557-6:2021

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6: Rikkevoolukaitseaparaatide tõhusus TT-, TN- ja IT-süsteemides
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2019)

Standardisarja IEC 61557 see osa sätestab nõuded mõõteseadmetele TT-, TN- ja IT-süsteemides paigaldatud rikkevoolukaitseaparaatide tõhususe katsetamiseks. Selle dokumendi eesmärk ei ole kontrollida rikkevoolukaitseaparaate nende tootestandardite järgi. MÄRKUS Katsetused rikkevoolukaitseaparaatide rakendumisaja ja rakendumisvoolu määramiseks on loetletud lisa A tabelis A.1.

EVS-EN ISO 14971:2019/A11:2021

Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele
Medical devices - Application of risk management to medical devices (ISO 14971:2019)

Standardi EN ISO 14971:2019 muudatus

EVS-EN ISO 14971:2019+A11:2021

Meditsiiniseadmed. Riskihalduse rakendamine meditsiiniseadmetele
Medical devices - Application of risk management to medical devices (ISO 14971:2019)

See dokument määratleb meditsiiniseadmete, sealhulgas tarkvara kui meditsiiniseadme ja in vitro diagnostikameditsiiniseadmete riskihaldusega seotud terminoloogia, põhimõtted ja protsessi. Dokumendis kirjeldatud protsess on mõeldud meditsiiniseadmete tootjaid abistama meditsiiniseadmega seotud ohtude tuvastamisel, seotud riskidele riskitaseme määramisel ja riski hindamisel, nende riskide ohjamisel ning ohjamise tõhususe jälgimisel. Selle dokumendi nõuded on rakendatavad kõikidele meditsiiniseadme elutsükli etappidele. Dokumendis kirjeldatud protsess on kohaldatav meditsiiniseadmega seotud riskidele, nagu biosobivusega, andmete ja süsteemide turvalisusega, elektrisüsteemidega, liikuvate osadega, kiirgusega ja kasutatavusega seotud riskid. Dokumendis kirjeldatud protsessi saab rakendada ka toodetele, mis ei ole mõnedes jurisdiktsioonides tingimata meditsiiniseadmed, ning mida saavad kasutada ka teised, kes on meditsiiniseadme elutsükliga seotud. See dokument ei kehti — meditsiiniseadme kasutamise üle otsustamisel teatud kliinilise protseduuri kontekstis ega — ärilisel riskihaldusel. See dokument nõuab tootjatelt riski vastuvõetavusele objektiivsete kriteeriumide väljatöötamist, kuid ei määratle vastuvõetavaid riskitasemeid. Riskihaldus võib olla osa kvaliteedijuhtimissüsteemist. Samas ei nõua see dokument tootjalt kvaliteedijuhtimissüsteemi olemasolu. MÄRKUS Selle dokumendi rakendamise juhised on leitavad tehnilisest aruandest ISO/TR 24971[9].

EVS-ISO 4225:2021

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

See dokument määratleb õhukvaliteedi (vt termin 3.1.1.1) terminid ja määratlused. Need on kas üldterminid või puudutavad gaaside, aurude (vt termin 3.1.5.8) ja lendosakeste (vt termin 3.2.2.1) proovivõttu (vt termin 3.3.3.1) ja mõõtmisi õhukvaliteedi määramiseks. Määratletud on terminid, mille määratlemist peetakse oluliseks mitmeti mõistetavuse vältimiseks ja järjepideva terminikasutuse tagamiseks. Lisas A on esitatud ka terminite tähestikregister. See dokument kohaldub kõigile õhukvaliteeti puudutavatele rahvusvahelistele standarditele, ISO tehnilistele aruannetele, ISO tehnilistele kirjeldustele ja ISO juhenditele.

STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.
Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest enquiry@evs.ee.

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CEN/TR 15941:2010	Sustainability of construction works - Environmental product declarations - Methodology for selection and use of generic data	Ehitiste jätkusuutlikkus. Toote keskkonnadeklaratsioon. Üldandmete valiku ja kasutamise meetodid
EVS-EN 14885:2018	Chemical disinfectants and antiseptics - Application of European Standards for chemical disinfectants and antiseptics	Keemilised desinfektsioonivahendid ja antiseptikumid. Keemiliste desinfektsioonivahendite ja antiseptikumide Euroopa standardite rakendamine

UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardimis- ja Akrediteerimiskeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtvate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EL-i õigusaktide kontekstis Euroopa Komisjoni standardimisettepaneku alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardit.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate õigusaktide mõistes, et standardi kohaselt valmistatud toode täidab õigusakti olulisi nõudeid ning on üldjuhul kõige lihtsam viis tõendada õigusaktide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga õigusakti tekstist eraldi ning võib õigusaktist olenevalt erineda.

Lisainfo:
https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2013/53/EL
Väikelaevad ja jetid
Komisjoni rakendusotsus (EL) 2021/2173,
millega muudetakse rakendusotsust (EL) 2019/919
(EL Teataja 2021/ L 440)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN ISO 14945:2021 Väikelaevad. Valmistajasilt	09.12.2021		
EVS-EN ISO 14946:2021 Väikelaevad. Maksimaalne kandevõime	09.12.2021	EN ISO 14946:2001; EN ISO 14946:2001/AC:2005	09.06.2022
EVS-EN ISO 8099-2:2021 Väikelaevad. Jäätmesüsteemid. Osa 2: Reovee töötlemissüsteemid	09.12.2021		
EVS-EN ISO 8849:2021 Väikelaevad. Elektrivooluga töötavad pilsipumbad	09.12.2021	EN ISO 8849:2018	09.06.2022