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01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 21920-2:2022

Geometrical product specifications (GPS) - Surface texture: Profile - Part 2: Terms, definitions and surface texture parameters (ISO 21920-2:2021)

This document specifies terms, definitions and parameters for the determination of surface texture by profile methods. NOTE 1 The main changes to previous ISO profile documents are described in Annex I. NOTE 2 An overview of profile and areal standards in the GPS matrix model is given in Annex J. NOTE 3 The relation of this document to the GPS matrix model is given in Annex K.

Keel: en
Alusdokumendid: ISO 21920-2:2021; EN ISO 21920-2:2022
Asendab dokumenti: EVS-EN ISO 12085:1999
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Asendab dokumenti: EVS-EN ISO 13565-2:1999
Asendab dokumenti: EVS-EN ISO 13565-3:2000
Asendab dokumenti: EVS-EN ISO 4287:1999
Asendab dokumenti: EVS-EN ISO 4287:1999/A1:2009
Asendab dokumenti: EVS-EN ISO 4287:1999/AC:2008

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

CEN ISO/TS 24283-1:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)

This document specifies the qualification criteria for persons performing sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-1:2022; CEN ISO/TS 24283-1:2022

CEN ISO/TS 24283-2:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 2: Responsible expert (ISO/TS 24283-2:2022)

This document specifies the qualification criteria for persons who are responsible for the performance of sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-2:2022; CEN ISO/TS 24283-2:2022

CEN ISO/TS 24283-3:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 3: Qualified enterprise (ISO/TS 24283-3:2022)

This document specifies the qualification criteria for enterprises performing sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-3:2022; CEN ISO/TS 24283-3:2022

EVS-EN ISO 27007:2022

Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing (ISO/IEC 27007:2020)

ISO/IEC 27007 provides guidance on managing an information security management system (ISMS) audit programme, on conducting audits, and on the competence of ISMS auditors, in addition to the guidance contained in ISO 19011:2011. ISO/IEC 27007 is applicable to those needing to understand or conduct internal or external audits of an ISMS or to manage an ISMS audit programme.

Keel: en
Alusdokumendid: ISO/IEC 27007:2020; EN ISO 27007:2022

EVS-ISO 10014:2022

Kvaliteedijuhtimissüsteemid. Organisatsiooni juhtimine kvaliteetsete tulemuste saavutamiseks. Juhised rahaliste ja majanduslike hüvede saavutamiseks
Quality management systems - Managing an organization for quality results - Guidance for realizing financial and economic benefits (ISO 10014:2021, identical)

See dokument annab juhiseid rahaliste ja majanduslike hüvede saavutamiseks, rakendades ülalt alla struktureeritud lähenemisviisi rahaliste ja majanduslike hüvede saavutamiseks. Struktureeritud lähenemisviis kasutab kvaliteedijuhtimise põhimõtteid ja kvaliteedijuhtimissüsteemi, mida on kirjeldatud ISO 9000 juhtimissüsteemi standardite perekonnas selleks, et a) seirata ja juhtida peamiste tulemusmõõdikute suundumusi; b) rakendada parendamisega seonduvaid tegevusi, mis põhinevad täheldatud mõõdikutel. See dokument on suunatud konkreetselt organisatsiooni tippjuhtkonnale. See dokument on kohaldatav igale organisatsioonile, olenemata sellest, kas tegemist on avaliku, era- või mittetulundussektoriga, olenemata selle ärimudelist, tuludest, töötajate arvust, toote- ja teenusepakkumiste mitmekesisusest, organisatsioonikultuurist, protsesside keerukusest, kohast või asukohtade arvust. See dokument täiendab standardeid ISO 9001:2015 ja ISO 9004:2018 tulemuslikkuse parendamiseks ning toob näiteid nendes standardites kirjeldatud kontseptsioonide kohaldamisega saavutatavate hüvede kohta. Selles dokumendis tuvastatakse praktilised juhtimismeetodid ja -vahendid, mis aitavad hüvesid saavutada.

Keel: en, et
Alusdokumendid: ISO 10014:2021
Asendab dokumenti: EVS-ISO 10014:2007

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 21363:2022

Nanotechnologies - Measurements of particle size and shape distributions by transmission electron microscopy (ISO 21363:2020)

This document specifies how to capture, measure and analyse transmission electron microscopy images to obtain particle size and shape distributions in the nanoscale. This document broadly is applicable to nano-objects as well as to particles with sizes larger than 100 nm. The exact working range of the method depends on the required uncertainty and on the performance of the transmission electron microscope. These elements can be evaluated according to the requirements described in this document.

Keel: en
Alusdokumendid: ISO 21363:2020; EN ISO 21363:2022

11 TERVISEHOOLDUS

EVS-EN ISO 10993-7:2008/A1:2022

Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals - Amendment 1: Applicability of allowable limits for neonates and infants (ISO 10993-7:2008/Amd 1:2019)

Amendment to EN ISO 10993-7:2008

Keel: en
Alusdokumendid: ISO 10993-7:2008/Amd 1:2019; EN ISO 10993-7:2008/A1:2022
Muudab dokumenti: EVS-EN ISO 10993-7:2008

EVS-EN ISO 10993-7:2008+A1:2022

Meditsiiniseadmete bioloogiline hindamine. Osa 7: Jäägid etüleenoksiidiga steriliseerimisest Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals (ISO 10993-7:2008 + ISO 10993-7:2008/Amd 1:2019)

This part of ISO 10993 specifies allowable limits for residual ethylene oxide (EO) and ethylene chlorohydrin (ECH) in individual EO-sterilized medical devices, procedures for the measurement of EO and ECH, and methods for determining compliance so that devices may be released. Additional background, including guidance and a flowchart showing how this document is applied, are also included in the informative annexes. EO-sterilized devices that have no patient contact (e.g., in vitro diagnostic devices) are not covered by this part of ISO 10993. NOTE This part of ISO 10993 does not specify limits for ethylene glycol (EG).

Keel: en
Alusdokumendid: ISO 10993-7:2008; EN ISO 10993-7:2008; ISO 10993-7:2008/Cor 1:2009; EN ISO 10993-7:2008/AC:2009; ISO 10993-7:2008/Amd 1:2019; EN ISO 10993-7:2008/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 10993-7:2008
Konsolideerib dokumenti: EVS-EN ISO 10993-7:2008/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 10993-7:2008/AC:2009

EVS-EN ISO 20776-2:2022

Clinical laboratory testing and in vitro diagnostic test systems - Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 2: Evaluation of performance of antimicrobial susceptibility test devices against reference broth micro-dilution (ISO 20776-2:2021)

This document establishes acceptable performance criteria for antimicrobial susceptibility test (AST) devices that are used to determine minimum inhibitory concentrations (MIC) of bacteria to antimicrobial agents in medical laboratories. This document specifies requirements for AST devices and procedures for assessing performance of such devices. It defines how a performance evaluation of an AST device is to be conducted. This document has been developed to guide manufacturers in the conduct of performance evaluation studies.

Keel: en
Alusdokumendid: ISO 20776-2:2021; EN ISO 20776-2:2022
Asendab dokumenti: EVS-EN ISO 20776-2:2008

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 9241-393:2022

Ergonomics of human-system interaction - Part 393: Structured literature review of visually induced motion sickness during watching electronic images (ISO/TR 9241-393:2020)

This document gives the scientific summaries of visually induced motion sickness resulting from images presented visually on or by electronic display devices. Electronic displays include flat panel displays, electronic projections on a flat screen, and head-mounted displays. Different aspects of human-system interaction are covered in other parts of the ISO 9241 series.

Keel: en
Alusdokumendid: ISO/TR 9241-393:2020; CEN ISO/TR 9241-393:2022

EVS-EN 15967:2022

Maksimaalse plahvatusrõhu ja gaaside ning aurude rõhu suurenemise maksimaalse kiiruse määramine
Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours

This document specifies a test method that is designed to measure the explosion pressure and the maximum explosion pressure, the rate of explosion pressure rise and the maximum rate of explosion pressure rise of a quiescent flammable gas/air/inert mixture in closed volume at ambient temperature and pressure. In this document, the term “gas” includes vapours but not mists. Detonation and decomposition phenomena are not considered in this document. The pressures and rates of pressure rise measured by the procedures specified in this document are not applicable to flameproof enclosures, i.e. enclosures intended to withstand an internal explosion and not to transmit it to an external explosive atmosphere, or any other closed volume where the internal geometry can result in pressure piling. Even in an enclosure of relatively simple geometry the disposition of the internal components can lead to rates of pressure rise significantly higher than those measured using this document. This document does not apply to the design and testing of flameproof enclosures in conformity with EN ISO 80079-37 (for non-electrical equipment) and EN 60079-1 (for electrical equipment).

Keel: en
Alusdokumendid: EN 15967:2022
Asendab dokumenti: EVS-EN 15967:2011

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN ISO 12179:2022

Geometrical product specifications (GPS) - Surface texture: Profile method - Calibration of contact (stylus) instruments (ISO 12179:2021)

This document specifies the calibration and adjustment of the metrological characteristics of contact (stylus) instruments for the measurement of surface texture by the profile method as defined in ISO 3274. The calibration and adjustment is intended to be carried out with the aid of measurement standards. Annex B specifies the calibration and adjustment of metrological characteristics of simplified operator contact (stylus) instruments which do not conform with ISO 3274.

Keel: en
Alusdokumendid: ISO 12179:2021; EN ISO 12179:2022
Asendab dokumenti: EVS-EN ISO 12179:2000
Asendab dokumenti: EVS-EN ISO 12179:2000/AC:2008

EVS-EN ISO 21920-1:2022

Geometrical product specifications (GPS) - Surface texture: Profile - Part 1: Indication of surface texture (ISO 21920-1:2021)

This document specifies the rules for indication of surface texture by profile methods in technical product documentation by means of graphical symbols. This document does not cover population requirements. NOTE See ISO 18391 for population (batch) specifications.

Keel: en
Alusdokumendid: ISO 21920-1:2021; EN ISO 21920-1:2022
Asendab dokumenti: EVS-EN ISO 1302:2002

EVS-EN ISO 21920-2:2022

Geometrical product specifications (GPS) - Surface texture: Profile - Part 2: Terms, definitions and surface texture parameters (ISO 21920-2:2021)

This document specifies terms, definitions and parameters for the determination of surface texture by profile methods. NOTE 1 The main changes to previous ISO profile documents are described in Annex I. NOTE 2 An overview of profile and areal standards in the GPS matrix model is given in Annex J. NOTE 3 The relation of this document to the GPS matrix model is given in Annex K.

Keel: en
Alusdokumendid: ISO 21920-2:2021; EN ISO 21920-2:2022
Asendab dokumenti: EVS-EN ISO 12085:1999
Asendab dokumenti: EVS-EN ISO 12085:1999/AC:2008
Asendab dokumenti: EVS-EN ISO 13565-2:1999
Asendab dokumenti: EVS-EN ISO 13565-3:2000
Asendab dokumenti: EVS-EN ISO 4287:1999
Asendab dokumenti: EVS-EN ISO 4287:1999/A1:2009
Asendab dokumenti: EVS-EN ISO 4287:1999/AC:2008

EVS-EN ISO 21920-3:2022

Geometrical product specifications (GPS) - Surface texture: Profile - Part 3: Specification operators (ISO 21920-3:2021)

This part of ISO 21920 specifies the complete specification operator for surface texture (scale limited surfaces) by profile methods.

Keel: en
Alusdokumendid: ISO 21920-3:2021; EN ISO 21920-3:2022
Asendab dokumenti: EVS-EN ISO 4288:1999

EVS-EN ISO 25178-2:2022

Geometrical product specifications (GPS) - Surface texture: Areal - Part 2: Terms, definitions and surface texture parameters (ISO 25178-2:2021)

This document specifies parameters for the determination of surface texture by areal methods.

Keel: en
Alusdokumendid: ISO 25178-2:2021; EN ISO 25178-2:2022
Asendab dokumenti: EVS-EN ISO 25178-2:2012

EVS-EN ISO 4787:2022

Laboratooriumi klaas- ja plastnõud. Mahumõõdunõud. Mahu katsetamise ja kasutamise meetodid
Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use (ISO 4787:2021)

See dokument esitab klaas- ja plastmahunõude katse-, kalibreerimis- ja kasutamismeetodid, et saavutada kasutamisel parim täpsustase. MÄRKUS Katsetamine on protsess, millega määratakse üksikute mahumõõtevahendite vastavus asjakohasele standardile ja mille tulemus on määratud mõõtmishälbed ühes või mitmes skaalapunktis. Dokument on rakendatav mahumõõdunõudele, mille nimimõõdud on vahemikus 100 µl kuni 10 000 ml. Need mahunõud hõlmavad ühemärgi pipette (vt ISO 648), skaalaga pipette (vt ISO 835), bürette (vt ISO 385), mahukolbe (vt ISO 1042 ja ISO 5215) ja skaalaga mõõtesilindreid (vt ISO 4788 ja ISO 6706). Need meetodid ei ole mõeldud alla 100 µl mahumõõdunõude, nagu näiteks mikroklaasnõude katsetamiseks. See dokument ei käsitle otseselt standardis ISO 3507 määratletud püknomeetreid. Siiski võib klaasnõude mahu määramiseks esitatud protseduure suures osas järgida ka püknomeetrite mahu määramiseks. Teatud tüüpi püknomeetrid võivad vajada erikäsitlust.

Keel: en, et
Alusdokumendid: ISO 4787:2021; EN ISO 4787:2021
Asendab dokumenti: EVS-EN ISO 4787:2011

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 21003-3:2008+A1:2021

Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings (ISO 21003-3:2008 + ISO 21003-3:2008/Amd 1:2021)

This part of ISO 21003 specifies the characteristics of fittings for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water — whether or not the water is intended for human consumption (domestic systems) or for heating systems — under specified design pressures and temperatures appropriate to the class of application (see Table 1 of ISO 21003-1:2008). It also specifies the test parameters for the test methods referred to in this part of ISO 21003. ISO 21003 is a reference product standard. It is applicable to multilayer pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 21003 is intended for use only in conjunction with all the other parts of ISO 21003. This part of ISO 21003 covers fusion, solvent-cemented and mechanical fittings for a range of service conditions (application classes) and design pressures. It is not applicable for values of design temperature, TD, maximum design temperature, Tmax, and

malfunction temperature, Tmal, in excess of those in Table 1 of ISO 21003-1:2008. NOTE 1 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. The polymeric materials used for the stress-designed layers are the following: polybutylene (PB), polyethylene of raised temperature resistance (PE RT), crosslinked polyethylene (PE X), polypropylene (PP) and chlorinated poly(vinyl chloride) (PVC-C). The PE X used shall be fully crosslinked and shall comply with the requirements of the relevant reference product standard (ISO 15875). NOTE 2 For the purposes of ISO 21003, crosslinked polyethylene (PE X) as well as adhesives are considered as thermoplastic materials.

Keel: en
Alusdokumendid: ISO 21003-3:2008; EN ISO 21003-3:2008; ISO 21003-3:2008/Amd 1:2021; EN ISO 21003-3:2008/A1:2021
Konsolideerib dokumenti: EVS-EN ISO 21003-3:2008
Konsolideerib dokumenti: EVS-EN ISO 21003-3:2008/A1:2021

EVS-EN ISO 3501:2022

Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force (ISO 3501:2021)

This document specifies a method for checking the ability of assembled uniaxial joints between fittings and plastic pressure pipes to withstand longitudinal tensile stresses. The test applies regardless of the design and material of the fitting used for jointing plastics pipe. This test method is not applicable to fusion-welded joints.

Keel: en
Alusdokumendid: ISO 3501:2021; EN ISO 3501:2022
Asendab dokumenti: EVS-EN ISO 3501:2015

25 TOOTMISTEHNOLOOGIA

CWA 17835:2022

Guidelines for the development and use of safety testing procedures in human-robot collaboration

This document gives guidelines for a uniform framework, transversal with respect to the different robot categories and limited to those robots and robotic applications characterized by human-robot collaboration, for the development and/or use of testing procedures, applicable to different robot categories and use scenarios. This document is informative and is not aimed at substituting or simplifying verification and/or validation procedures required by standards. The objectives of this document are the following: - define an approach for the development and use of procedures for testing safety in human-robot collaboration at a system level, based on safety-relevant human-robot collaboration skills and limited to the mechanical hazards; - define a comprehensive list of application-driven, technology-invariant safety-relevant human-robot collaboration skills valid across different domains; - provide a template for system-level validation protocols; - by way of example, present two system-level validation protocols, applicable to multiple domains. This document does not apply to the following devices, systems and applications: autonomous vehicles for the transportation of persons, drones, rescue robots (including ground, marine and aerial vehicles), surgical robots in relation to the body of the patient, passive wearable devices, external limb prostheses. NOTE 1 This document aims at providing harmonization in the compilation of structured testing procedures, to supplement safety validation of specific robot applications, building, where possible, on test methods provided in the relevant standards. It does not propose any safety requirement, nor is it intended to provide alternatives for or simplification of the relevant standards for each robot category. Users of this document are expected to be proficient in directives, regulations and standards applicable for the specific robot system and application. An overview of robot categorization is provided in A.1. NOTE 2 This document does not address "functional safety" (e.g. the performance level of safety-related parts of control systems), nor criteria for its validation and verification.

Keel: en
Alusdokumendid: CWA 17835:2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 61400-13:2016/A1:2022

Wind turbines - Part 13: Measurement of mechanical loads

Amendment to EN 61400-13:2016

Keel: en
Alusdokumendid: IEC 61400-13:2015/AMD1:2021; EN 61400-13:2016/A1:2022
Muudab dokumenti: EVS-EN 61400-13:2016

29 ELEKTROTEHNIKA

CLC/TS 50238-3:2022

Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters

For the purpose of demonstrating compatibility between rolling stock and axle counter detectors, this document defines the interference limits and evaluation methods to verify rolling stock emissions. Wheel sensors and crossing loops are not covered by this document. This document gives recommended individual limits to be applied to establish compatibility between RST and all selected types of axle counter detectors, including any covered by national standards. The list of selected types of axle counters and their limits for compatibility are drawn on the basis of established performance criteria. It is expected that the trend

for newly signalled interoperable lines will be fitted with types that meet the compatibility limits published in the TSI CCS Interfaces Document (ERA/ERTMS/033281). To ensure adequate operational availability, it is essential that the rolling stock complies with the defined limits; otherwise, the established availability of the valid output function of axle counter detectors may be compromised. NOTE The influences from metal parts or inductively coupled resonant circuits on the vehicle, eddy current brakes or magnetic brakes, are not covered by this document but are considered on the basis of national technical specifications. For wheel sensors and wheel detectors in other applications than axle counters but utilizing the same rail sensors and detectors, transient and continuous interference can be considered as equivalent to axle counter detectors or axle counter sensors.

Keel: en
Alusdokumendid: CLC/TS 50238-3:2022
Asendab dokumenti: CLC/TS 50238-3:2019

EVS-EN 60700-2:2016/A1:2022

Alalisvooluülekande türistorventiilid. Osa 2: Terminoloogia
Thyristor valves for high voltage direct current (HVDC) power transmission - Part 2: Terminology (IEC 60700-2:2016/AMD1:2021)

Standardi EVS-EN 60700-2:2016 muudatus.

Keel: en, et
Alusdokumendid: IEC 60700-2:2016/AMD1:2021; EN 60700-2:2016/A1:2021
Muudab dokumenti: EVS-EN 60700-2:2016

EVS-EN 60700-2:2016+A1:2022

Alalisvooluülekande türistorventiilid. Osa 2: Terminoloogia
Thyristor valves for high voltage direct current (HVDC) power transmission - Part 2: Terminology (IEC 60700-2:2016 + IEC 60700-2:2016/AMD1:2021)

See standardi IEC 60700 osa määratleb liinikommutatsiooniga konverteritega, mis põhinevad kolmefaasilistel sildühendustel eesmärgiga muundada vahelduvvoolu alalisvooluks ja vastupidi, alalisvooluülekande türistorventiilide terminid.

Keel: en, et
Alusdokumendid: EN 60700-2:2016; IEC 60700-2:2016; EN 60700-2:2016/AC:2017-07; IEC 60700-2:2016/COR1:2017; EN 60700-2:2016/A1:2021; IEC 60700-2:2016/AMD1:2021
Konsolideerib dokumenti: EVS-EN 60700-2:2016
Konsolideerib dokumenti: EVS-EN 60700-2:2016/A1:2022
Konsolideerib dokumenti: EVS-EN 60700-2:2016/AC:2017

EVS-EN 62271-1:2017/A1:2022

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1: Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus
High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017/AMD1:2021)

Standardi EVS-EN 62271-1:2017 muudatus.

Keel: en, et
Alusdokumendid: IEC 62271-1:2017/AMD1:2021; EN 62271-1:2017/A1:2021
Muudab dokumenti: EVS-EN 62271-1:2017

EVS-EN 62271-1:2017+A1:2022

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1: Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus
High-voltage switchgear and controlgear. Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017 + IEC 62271-1:2017/AMD1:2021)

See standardi IEC 62271 osa rakendub vahelduvvoolu kõrgepingelisele lülitus- ja juhtimisaparatuurile kasutamisel sise- ja välispaigaldistes talitlussagedustel kuni 60 Hz (kaasa arvatud) elektrivõrkudes pingega üle 1000 V. See dokument rakendub igale kõrgepingelisele lülitus- ja juhtimisaparatuurile, kui vastavas IEC standardis ei ole konkreetset tüüpi kõrgepingelisele lülitus- ja juhtimisaparatuurile määratletud teisiti. MÄRKUS Selles dokumendis kasutamiseks määratletakse kõrgepingena nimipinget üle 1000 V. Kuid seejuures on üle 1 kV pingega ja tavaliselt kuni pingeni 52 kV (kaasa arvatud) jaotusvõrkudes üldiselt kasutusel termin keskpinge.

Keel: en, et
Alusdokumendid: EN 62271-1:2017; IEC 62271-1:2017; EN 62271-1:2017/A1:2021; IEC 62271-1:2017/AMD1:2021
Konsolideerib dokumenti: EVS-EN 62271-1:2017
Konsolideerib dokumenti: EVS-EN 62271-1:2017/A1:2022

EVS-EN IEC 61439-1:2021/AC:2022

Madalpingelised aparaadikoosted. Osa 1: Üldreeglid
Low-voltage switchgear and controlgear assemblies - Part 1: General rules

Standardi EN IEC 61439-1:2021 parandus

Keel: en, et
Alusdokumendid: IEC 61439-1:2020/COR1:2021; EN IEC 61439-1:2021/AC:2022-01
Parandab dokumenti: EVS-EN IEC 61439-1:2021

EVS-EN IEC 63182-4:2022

Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 4: Block-cores

This part of IEC 63182 specifies the preferred range of the dimensions that are important for mechanical interchangeability and the guidelines on allowable limits of surface irregularities for block-cores made of metallic magnetic powder. This document is a specification about surface irregularities which is useful in the negotiations between suppliers and users of magnetic powder core. The use of "derived" standards which give more detailed specifications of component parts while still permitting compliance with this standard is discussed in Annex A.

Keel: en
Alusdokumendid: IEC 63182-4:2021; EN IEC 63182-4:2022

EVS-EN IEC 63182-5:2022

Magnetic powder cores - Guidelines on dimensions and the limits of surface irregularities - Part 5: Cylinder-cores

IEC 63182-5:2021 specifies the preferred range of the dimensions that are of importance for mechanical interchangeability and gives the guidelines on allowable limits of surface irregularities for cylinder-cores made of metallic magnetic powder. This document is a specification useful in the negotiations between magnetic powder core suppliers and users about surface irregularities.

Keel: en
Alusdokumendid: IEC 63182-5:2021; EN IEC 63182-5:2022

31 ELEKTROONIKA

EVS-EN IEC 60749-39:2022

Semiconductor devices - Mechanical and climatic test methods - Part 39: Measurement of moisture diffusivity and water solubility in organic materials used for semiconductor components

IEC 60749-39:2021 details the procedures for the measurement of the characteristic properties of moisture diffusivity and water solubility in organic materials used in the packaging of semiconductor components. These two material properties are important parameters for the effective reliability performance of plastic packaged semiconductors after exposure to moisture and being subjected to high-temperature solder reflow. This edition includes the following significant technical changes with respect to the previous edition: - updated procedure for "dry weight" determination.

Keel: en
Alusdokumendid: IEC 60749-39:2021; EN IEC 60749-39:2022
Asendab dokumenti: EVS-EN 60749-39:2006

33 SIDETEHNIKA

EVS-EN IEC 60794-1-219:2022

Optical fibre cables - Part 1-219: Generic specification - Basic optical cable test procedures - Material compatibility test, Method F19

This part of IEC 60794 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, as well as hybrid telecommunication cables having a combination of both optical fibres and electrical conductors. The object of this standard is to define test procedures to be used in establishing uniform requirements for the material compatibility performance of cables, cable components, and cable subassemblies. Compatibility of materials within a cable has the potential to involve a range of material pairs. However, experience has shown that the most pertinent evaluations are of the cable filling and flooding materials interactions with other materials in the cable. Throughout the standard the wording “optical cable” may also include optical fibre units, microduct fibre units, etc. See IEC 60794-1-2 for general requirements and definitions and reference guide to test methods of all types.

Keel: en
Alusdokumendid: IEC 60794-1-219:2021; EN IEC 60794-1-219:2022

EVS-EN IEC 62037-6:2022

Passive RF and microwave devices, intermodulation level measurement - Part 6: Measurement of passive intermodulation in antennas

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

Keel: en
Alusdokumendid: IEC 62037-6:2021; EN IEC 62037-6:2022
Asendab dokumenti: EVS-EN 62037-6:2013

35 INFOTEHNOLOOGIA

EVS-EN ISO 27007:2022

Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing (ISO/IEC 27007:2020)

ISO/IEC 27007 provides guidance on managing an information security management system (ISMS) audit programme, on conducting audits, and on the competence of ISMS auditors, in addition to the guidance contained in ISO 19011:2011. ISO/IEC 27007 is applicable to those needing to understand or conduct internal or external audits of an ISMS or to manage an ISMS audit programme.

Keel: en
Alusdokumendid: ISO/IEC 27007:2020; EN ISO 27007:2022

45 RAUDTEETEHNIKA

CLC/TS 50238-3:2022

Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters

For the purpose of demonstrating compatibility between rolling stock and axle counter detectors, this document defines the interference limits and evaluation methods to verify rolling stock emissions. Wheel sensors and crossing loops are not covered by this document. This document gives recommended individual limits to be applied to establish compatibility between RST and all selected types of axle counter detectors, including any covered by national standards. The list of selected types of axle counters and their limits for compatibility are drawn on the basis of established performance criteria. It is expected that the trend for newly signalled interoperable lines will be fitted with types that meet the compatibility limits published in the TSI CCS Interfaces Document (ERA/ERTMS/033281). To ensure adequate operational availability, it is essential that the rolling stock complies with the defined limits; otherwise, the established availability of the valid output function of axle counter detectors may be compromised. NOTE The influences from metal parts or inductively coupled resonant circuits on the vehicle, eddy current brakes or magnetic brakes, are not covered by this document but are considered on the basis of national technical specifications. For wheel sensors and wheel detectors in other applications than axle counters but utilizing the same rail sensors and detectors, transient and continuous interference can be considered as equivalent to axle counter detectors or axle counter sensors.

Keel: en
Alusdokumendid: CLC/TS 50238-3:2022
Asendab dokumenti: CLC/TS 50238-3:2019

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 8666:2020+A11:2021

Väikelaevad. Põhiandmed
Small craft - Principal data (ISO 8666:2020)

This document establishes definitions of main dimensions and related data and of mass specifications and loading conditions. It applies to small craft having a length of the hull (LH) of up to 24 m.

Keel: en
Alusdokumendid: ISO 8666:2020; EN ISO 8666:2020; EN ISO 8666:2020/A11:2021
Konsolideerib dokumenti: EVS-EN ISO 8666:2020
Konsolideerib dokumenti: EVS-EN ISO 8666:2020/A11:2021

49 LENNUNDUS JA KOSMOSETEHNIKA

CEN/TR 17603-20-06:2022

Space engineering - Assessment of space worst case charging handbook

Common engineering practices involve the assessment, through computer simulation (with software like NASCAP [RD.4] or SPIS [RD.5]), of the levels of absolute and differential potentials reached by space systems in flight. This is usually made mandatory by customers and by standards for the orbits most at risk such as GEO or MEO and long transfers to GEO by, for example, electric propulsion. The ECSS-E-ST-20-06 standard requires the assessment of spacecraft charging but it is not appropriate in a standard to explain how such an assessment is performed. It is the role of this document ECSS-E-HB-20-06, to explain in more detail important aspects of the charging process and to give guidance on how to carry out charging assessment by computer simulation. The ECSS-E-ST-10-04 standard specifies many aspects of the space environment, including the plasma and radiation characteristics corresponding to worst cases for surface and internal charging. In this document the use of these environment descriptions in worst case simulations is described. The emphasis in this document is on high level charging in natural environments. One aspect that is currently not addressed is the use of active sources e.g. for electric propulsion or spacecraft potential control. The tools to address this are still being developed and this area can be addressed in a later edition.

Keel: en
Alusdokumendid: CEN/TR 17603-20-06:2022

CEN/TR 17603-20-07:2022

Space engineering - Electromagnetic compatibility handbook

The objective of this EMC Handbook is to point out all the issues relevant to space systems EMC, to provide a general technical treatment and to address the interested reader to more thorough and in-depth publications. NOTE: It is possible to find fundamental and advanced treatment of many aspects related to EMC: many universities offer courses on EMC and a large number of textbooks, papers and technical documents are available. Therefore replicating in this Handbook the available knowledge is impractical and meaningless. Emphasis is given to space systems EMC design, development and verification, and specifically to the practical aspects related to these issues. NOTE: This has been possible thanks to the collaboration of space industry, especially on items which are not textbook issues and whose solution needs the widespread experience gained in large number of projects.

Keel: en
Alusdokumendid: CEN/TR 17603-20-07:2022

CEN/TR 17603-20-20:2022

Space engineering - Guidelines for electrical design and interface requirements for power supply

In general terms, the scope of the consolidation of LCLs power distribution interface requirements in the EN 16603-20-20 (equivalent to ECSS-E-ST-20-20) and the relevant explanation in the present handbook is to allow a more recurrent approach for the specific designs offered by power unit manufacturers, at the benefit of the system integrators and of the Agency, thus ensuring: - better quality, - stability of performances, and - independence of the products from specific mission targets. A recurrent approach enables power distribution manufacturing companies to concentrate on products and a small step improvement approach that is the basis of a high quality industrial output. In particular, the scope of the present handbook is: - to explain the principles of operation of power distribution based on LCLs, - to identify important issues related to LCLs, and - to give some explanations of the requirements set up in the ECSS-E-ST-20-20 for power distribution based on LCLs, for both source and load sides.

Keel: en
Alusdokumendid: CEN/TR 17603-20-20:2022

CEN/TR 17603-20-21:2022

Space engineering - Guidelines for electrical design and interface requirements for actuators

In general terms, the scope of the consolidation of the electrical interface requirements for electrical actuators in the EN 16603-20-21 (equivalent to ECSS-E-ST-20-21) and the relevant explanation in the present handbook is to allow a more recurrent approach both for actuator electronics (power source) and electrical actuators (power load) offered by the relevant manufacturers, at the benefit of the system integrators and of the European space agencies, thus ensuring: - Better quality - Stability of performances - Independence of the products from specific mission targets. A recurrent approach enables manufacturing companies to concentrate on products and a small step improvement approach that is the basis of a high quality industrial output. In particular, the scope of the present handbook is: - To explain the type of actuators, the principles of operation and the typical configuration of the relevant actuator electronics, - To identify important issues relevant to electrical actuators interfaces, and - To give some explanations of the requirements set up in the EN 16603-20-21.

Keel: en
Alusdokumendid: CEN/TR 17603-20-21:2022

CEN/TR 17603-31-17:2022

Space engineering - Thermal analysis handbook

This handbook is dedicated to the subject of thermal analysis for space applications. Thermal analysis is an important method of verification during the development of space systems. The purpose of this handbook is to provide thermal analysts with practical guidelines which support efficient and high quality thermal modelling and analysis. Specifically, the handbook aims to improve: 1.the general comprehension of the context, drivers and constraints for thermal analysis campaigns; 2.the general quality of thermal models through the use of a consistent process for thermal modelling; 3.the credibility of thermal model predictions by rigorous verification of model results and outputs; 4.long term maintainability of thermal models via better model management, administration and documentation; 5.the efficiency of inter-organisation collaboration by setting out best practice for model transfer and conversion. The intended users of the document are people, working in the domain of space systems, who use thermal analysis as part of their work. These users can be in industry, in (inter)national agencies, or in academia. Moreover, the guidelines are designed to be useful to users working on products at every level of a space project - that is to say at system level, sub-system level, unit level etc. In some cases a guideline could not be globally applicable (for example not relevant for very high temperature applications). In these cases the limitations are explicitly given in the text of the handbook.

Keel: en
Alusdokumendid: CEN/TR 17603-31-17:2022

CEN/TR 17603-32-01:2022

Space engineering - Structural materials handbook - Part 1: Overview and material properties and applications

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications

Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-01:2022

CEN/TR 17603-32-02:2022

Space engineering - Structural materials handbook - Part 2: Design calculation methods and general design aspects

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-02:2022

CEN/TR 17603-32-03:2022

Space engineering - Structural materials handbook - Part 3: Load transfer and design of joints and design of structures

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-03:2022

CEN/TR 17603-32-04:2022

Space engineering - Structural materials handbook - Part 4: Integrity control, verification guidelines and manufacturing

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-04:2022

CEN/TR 17603-32-05:2022

Space engineering - Structural materials handbook - Part 5: New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-05:2022

CEN/TR 17603-32-06:2022

Space engineering - Structural materials handbook - Part 6: Fracture and material modelling, case studies and design and integrity control and inspection

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-06:2022

CEN/TR 17603-32-07:2022

Space engineering - Structural materials handbook - Part 7: Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnologies

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-07:2022

CEN/TR 17603-32-08:2022

Space engineering - Structural materials handbook - Part 8: Glossary

The structural materials handbook, SMH, combines materials and design information on established polymer matrix composites with provisional information on the emerging groups of newer advanced materials and their composites. Design aspects are described, along with factors associated with joining and manufacturing. Where possible, these are illustrated by examples or case studies. The Structural materials handbook contains 8 Parts. A glossary of terms, definitions and abbreviated terms for these handbooks is contained in Part 8. The parts are as follows: Part 1 Overview and material properties and applications Clauses 1 - 9 Part 2 Design calculation methods and general design aspects Clauses 10 - 22 Part 3 Load transfer and design of joints and design of structures Clauses 23 - 32 Part 4 Integrity control, verification guidelines and manufacturing Clauses 33 - 45 Part 5 New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints Clauses 46 - 63 Part 6 Fracture and material modelling, case studies and design and integrity control and inspection Clauses 64 - 81 Part 7 Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnoligies Clauses 82 - 107 Part 8 Glossary NOTE: The 8 parts will be numbered TR17603-32-01 to TR 17603-32-08.

Keel: en
Alusdokumendid: CEN/TR 17603-32-08:2022

CEN/TR 17603-60:2022

Space engineering - Control engineering handbook

This Handbook deals with control systems developed as part of a space project. It is applicable to all the elements of a space system, including the space segment, the ground segment and the launch service segment. The handbook covers all aspects of space control engineering including requirements definition, analysis, design, production, verification and validation, transfer, operations and maintenance. It describes the scope of the space control engineering process and its interfaces with management and product assurance, and explains how they apply to the control engineering process.

Keel: en
Alusdokumendid: CEN/TR 17603-60:2022

CEN/TR 17603-60-10:2022

Space engineering - Control performance guidelines

This Handbook deals with control systems developed as part of a space project. It is applicable to all the elements of a space system, including the space segment, the ground segment and the launch service segment. It addresses the issue of control performance, in terms of definition, specification, verification and validation methods and processes. The handbook establishes a general framework for handling performance indicators, which applies to all disciplines involving control engineering, and which can be declined as well at different levels ranging from equipment to system level. It also focuses on the specific performance indicators applicable to the case of closed-loop control systems. Rules and guidelines are provided allowing to combine different error sources in order to build up a performance budget and to assess the compliance with a requirement. This version of the handbook does not cover control performance issues in the frame of launch systems.

Keel: en
Alusdokumendid: CEN/TR 17603-60-10:2022

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 8611-1:2022

Pallets for materials handling - Flat pallets - Part 1: Test methods (ISO 8611-1:2021)

This document specifies the test methods available for evaluating new flat pallets for materials handling. The test methods are split into groups for: — nominal load testing; — maximum working load testing; — durability comparison testing. This document does not apply to pallets with a fixed superstructure or a rigid, self-supporting container that can be mechanically attached to the pallet and which contributes to the strength of the pallet. NOTE Specific tests for determining load capacity do not replace the value of conducting field tests on specific pallet designs.

Keel: en
Alusdokumendid: ISO 8611-1:2021; EN ISO 8611-1:2022
Asendab dokumenti: EVS-EN ISO 8611-1:2012

EVS-EN ISO 8611-2:2022

Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests (ISO 8611-2:2021)

This document specifies the performance requirements to establish nominal loads for new flat pallets. It also specifies the tests required for new flat pallets in various handling environments and the performance requirements for tests with payloads. This document does not apply to pallets with a fixed superstructure or a rigid, self-supporting container that can be mechanically attached to the pallet and which contributes to the strength of the pallet.

Keel: en
Alusdokumendid: ISO 8611-2:2021; EN ISO 8611-2:2022
Asendab dokumenti: EVS-EN ISO 8611-2:2012
Asendab dokumenti: EVS-EN ISO 8611-2:2012/A1:2016

65 PÕLLUMAJANDUS

EVS-EN ISO 17962:2015/A1:2022

Agricultural machinery - Equipment for sowing - Minimization of the environmental effects of fan exhaust from pneumatic systems - Amendment 1 (ISO 17962:2015/Amd 1:2021)

Amendment to EN ISO 17962:2015

Keel: en
Alusdokumendid: ISO 17962:2015/Amd 1:2021; EN ISO 17962:2015/A1:2022
Muudab dokumenti: EVS-EN ISO 17962:2015

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 8222:2020/A1:2022

Petroleum measurement systems - Calibration - Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials) - Amendment 1: Correction of two typographical errors (ISO 8222:2020/Amd 1:2022)

Amendment to EN ISO 8222:2020

Keel: en
Alusdokumendid: ISO 8222:2020/Amd 1:2022; EN ISO 8222:2020/A1:2022
Muudab dokumenti: EVS-EN ISO 8222:2020

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 12543-5:2022

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas. Osa 5: Mõõdud ja serva viimistlus Glass in building - Laminated glass and laminated safety glass - Part 5: Dimensions and edge finishing (ISO 12543-5:2021)

Dokument täpsustab ehitistes kasutatava lamineeritud klaasi ning lamineeritud turvaklaasi mõõte, piirhälbeid ja serva viimistlusi. Dokument ei ole kohaldatav tahvlitele, mille pindala on väiksem kui 0,05 m2.

Keel: en, et
Alusdokumendid: ISO 12543-5:2021; EN ISO 12543-5:2021
Asendab dokumenti: EVS-EN ISO 12543-5:2011

91 EHITUSMATERJALID JA EHITUS

EVS-EN ISO 21003-3:2008+A1:2021

Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings (ISO 21003-3:2008 + ISO 21003-3:2008/Amd 1:2021)

This part of ISO 21003 specifies the characteristics of fittings for multilayer piping systems intended to be used for hot and cold water installations inside buildings for the conveyance of water — whether or not the water is intended for human consumption (domestic systems) or for heating systems — under specified design pressures and temperatures appropriate to the class of application (see Table 1 of ISO 21003-1:2008). It also specifies the test parameters for the test methods referred to in this part of ISO 21003. ISO 21003 is a reference product standard. It is applicable to multilayer pipes, fittings, their joints, and also to joints with components made of other plastics and non-plastics materials intended to be used for hot and cold water installations. This part of ISO 21003 is intended for use only in conjunction with all the other parts of ISO 21003. This part of ISO 21003 covers fusion, solvent-cemented and mechanical fittings for a range of service conditions (application classes) and design pressures. It is not applicable for values of design temperature, TD, maximum design temperature, Tmax, and malfunction temperature, Tmal, in excess of those in Table 1 of ISO 21003-1:2008. NOTE 1 It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes. The polymeric materials used for the stress-designed layers are the following: polybutylene (PB), polyethylene of raised temperature resistance (PE RT), crosslinked polyethylene (PE X), polypropylene (PP) and chlorinated poly(vinyl chloride) (PVC-C). The PE X used shall be fully crosslinked and shall comply with the requirements of the relevant reference product standard (ISO 15875). NOTE 2 For the purposes of ISO 21003, crosslinked polyethylene (PE X) as well as adhesives are considered as thermoplastic materials.

Keel: en
Alusdokumendid: ISO 21003-3:2008; EN ISO 21003-3:2008; ISO 21003-3:2008/Amd 1:2021; EN ISO 21003-3:2008/A1:2021
Konsolideerib dokumenti: EVS-EN ISO 21003-3:2008
Konsolideerib dokumenti: EVS-EN ISO 21003-3:2008/A1:2021

EVS-EN ISO 3382-3:2022

Acoustics - Measurement of room acoustic parameters - Part 3: Open plan offices (ISO 3382-3:2022)

This document specifies a method for the measurement of room acoustic parameters in unoccupied open-plan offices. It specifies measurement procedures, the apparatus needed, the coverage required, the method for evaluating the data, and the presentation of the test report. This document describes a group of single-number quantities indicating the room acoustic performance of an open-plan office in a condition when one person is speaking. They focus on spatial decay of speech while the quantities in ISO 3382-2 focus on temporal decay of sound.

Keel: en
Alusdokumendid: ISO 3382-3:2022; EN ISO 3382-3:2022
Asendab dokumenti: EVS-EN ISO 3382-3:2012

93 RAJATISED

CEN ISO/TS 24283-1:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)

This document specifies the qualification criteria for persons performing sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-1:2022; CEN ISO/TS 24283-1:2022

CEN ISO/TS 24283-2:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 2: Responsible expert (ISO/TS 24283-2:2022)

This document specifies the qualification criteria for persons who are responsible for the performance of sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-2:2022; CEN ISO/TS 24283-2:2022

CEN ISO/TS 24283-3:2022

Geotechnical investigation and testing - Qualification criteria and assessment - Part 3: Qualified enterprise (ISO/TS 24283-3:2022)

This document specifies the qualification criteria for enterprises performing sampling, testing, measuring, monitoring and installation of equipment (e.g. piezometers, borehole heat exchangers, inclinometers and extensometers) in the framework of geotechnical investigation.

Keel: en
Alusdokumendid: ISO/TS 24283-3:2022; CEN ISO/TS 24283-3:2022

97 OLME. MEELELAHUTUS. SPORT

EVS-EN IEC 63174:2022

Electrically operated toothbrushes - Methods for measuring the performance

This document deals with the methods for measuring the performance of electrically powered toothbrushes. This document applies to electrically powered toothbrushes used for cleaning the teeth with electric energy to drive. Rechargeable toothbrushes and primary battery powered toothbrushes, both for adult and child, are within the scope of this standard. This standard is just to specify the measurement method but does not define any limit value. NOTE: The electrically powered toothbrushes are classified as follows: Classification with regard to supply modes: - primary battery powered toothbrush - rechargeable toothbrush -- wireless rechargeable toothbrush -- corded rechargeable toothbrush Classification with regard to moving modes: - rotary electrically powered toothbrush - reciprocated electrically powered toothbrush -- linear reciprocated electrically powered toothbrush -- rotational reciprocated electrically powered toothbrush - vibratory electrically powered toothbrush The different types are clarified for information, since there is no difference in the tests to be done, except for the types of primary battery powered toothbrush and rechargeable toothbrush.

Keel: en
Alusdokumendid: IEC 63174:2021; EN IEC 63174:2022

EVS-EN ISO 22044:2022

Commercial beverage coolers - Classification, requirements and test conditions (ISO 22044:2021)

The scope of this European Standard is to define the classification for commercial beverage coolers and to specify their requirements and test methods. This European Standard is applicable to integral refrigeration systems. This European Standard is not applicable to remote and secondary system cabinets.

Keel: en
Alusdokumendid: ISO 22044:2021; EN ISO 22044:2022
Asendab dokumenti: EVS-EN 16902:2016

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 1302:2002
Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation

Keel: en
Alusdokumendid: ISO 1302:2002; EN ISO 1302:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4287:1999
Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Terminid, määratlused ja pinnatekstuuri parameetrid
Geometrical product specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters

Keel: en
Alusdokumendid: ISO 4287:1997; EN ISO 4287:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Muudetud järgmise dokumendiga: EVS-EN ISO 4287:1999/A1:2009
Parandatud järgmise dokumendiga: EVS-EN ISO 4287:1999/AC:2008
Standardi staatus: Kehtetu

EVS-EN ISO 4287:1999/A1:2009
Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters - Amendment 1: Peak count parameter

Keel: en
Alusdokumendid: ISO 4287:1997/Amd 1:2009; EN ISO 4287:1998/A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

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

EVS-ISO 10014:2007
Kvaliteedijuhtimine - juhised rahaliste ja majanduslike hüvede saavutamiseks.
Quality management- Guidelines for realizing financial and economic benefits

Keel: et-en
Alusdokumendid: ISO 10014:2006; ISO 10014:2006/Cor1:2007
Asendatud järgmise dokumendiga: EVS-ISO 10014:2022
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 20776-2:2008
Clinical laboratory testing and in vitro diagnostic test systems - Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices - Part 2: Evaluation of performance of antimicrobial susceptibility test devices

Keel: en
Alusdokumendid: ISO 20776-2:2007; EN ISO 20776-2:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 20776-2:2022
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 15967:2011
Maksimaalse plahvatusrõhu ja gaaside ning aurude rõhu suurenemise maksimaalse kiiruse määramine
Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours

Keel: en
Alusdokumendid: EN 15967:2011
Asendatud järgmise dokumendiga: EVS-EN 15967:2022
Standardi staatus: Kehtetu

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

Keel: en
Alusdokumendid: ISO 8466-1:1990
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN ISO 12085:1999

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Motiivi parameetrid
Geometrical product specification (GPS) - Surface texture: Profile method - Motif parameters

Keel: en
Alusdokumendid: ISO 12085:1996; EN ISO 12085:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 12085:1999/AC:2008
Standardi staatus: Kehtetu

EVS-EN ISO 12085:1999/AC:2008

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Motiivi parameetrid
Geometrical product specification (GPS) - Surface texture: Profile method - Motif parameters

Keel: en
Alusdokumendid: ISO 12085:1996/Cor 1:1998; EN ISO 12085:1997/AC:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 12179:2000

Geometrical Product Specifications (GPS) - Surface texture: Profil method - Calibration of contact (stylus) instruments

Keel: en
Alusdokumendid: ISO 12179:2000; EN ISO 12179:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 12179:2022
Parandatud järgmise dokumendiga: EVS-EN ISO 12179:2000/AC:2008
Standardi staatus: Kehtetu

EVS-EN ISO 12179:2000/AC:2008

Geometrical Product Specifications (GPS) - Surface texture: Profile method - Calibration of contact (stylus) instruments

Keel: en
Alusdokumendid: ISO 12179:2000/Cor 1:2003; EN ISO 12179:2000/AC:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 12179:2022
Standardi staatus: Kehtetu

EVS-EN ISO 1302:2002

Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation

Keel: en
Alusdokumendid: ISO 1302:2002; EN ISO 1302:2002
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 13565-2:1999

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod; kihiliste funktsionaalomadustega pinnad. Osa 2: Kõrgusparameetrite määramine, kasutades materjali lineaarsusteguri graafikut

Geometrical product specifications (GPS) - Surface texture: Profile method; surfaces having stratified functional properties - Part 2: Height characterization using the linear material ratio curve

Keel: en
Alusdokumendid: ISO 13565-2:1996; EN ISO 13565-2:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 13565-3:2000

Geometrical Product Specifications (GPS) - Surface texture: Profile method; Surfaces having stratified functional properties - Part 3: Height characterization using the material propability curve

Keel: en
Alusdokumendid: ISO 13565-3:1998; EN ISO 13565-3:2000
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 25178-2:2012

Geometrical product specifications (GPS) - Surface texture: Areal - Part 2: Terms, definitions and surface texture parameters (ISO 25178-2:2012)

Keel: en
Alusdokumendid: ISO 25178-2:2012; EN ISO 25178-2:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 25178-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4287:1999

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Terminid, määratlused ja pinnatekstuuri parameetrid
Geometrical product specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters

Keel: en
Alusdokumendid: ISO 4287:1997; EN ISO 4287:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Muudetud järgmise dokumendiga: EVS-EN ISO 4287:1999/A1:2009
Parandatud järgmise dokumendiga: EVS-EN ISO 4287:1999/AC:2008
Standardi staatus: Kehtetu

EVS-EN ISO 4287:1999/A1:2009

Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters - Amendment 1: Peak count parameter

Keel: en
Alusdokumendid: ISO 4287:1997/Amd 1:2009; EN ISO 4287:1998/A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4287:1999/AC:2008

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Terminid, määratlused ja pinnatekstuuri parameetrid
Geometrical product specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters

Keel: en
Alusdokumendid: ISO 4287:1997/Cor 1:1998/Cor 2:2005; EN ISO 4287:1998/AC:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-2:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4288:1999

Toote geomeetriline kirjeldus ja tehnilised andmed (GPS). Pinnatekstuur: profiilimeetod. Juhised ja tegevusskeemid pinnatekstuuri hindamiseks
Geometrical product specifications (GPS) - Surface texture: Profile method - Rules and procedures for the assessment of surface texture

Keel: en
Alusdokumendid: ISO 4288:1996; EN ISO 4288:1997
Asendatud järgmise dokumendiga: EVS-EN ISO 21920-3:2022
Standardi staatus: Kehtetu

EVS-EN ISO 4787:2011

Laboratooriumi klaasnõud. Mahumõõdunõud. Mahu katsetamise ja kasutamise meetodid (ISO 4787:2010, korrigeeritud versioon 2010-06-15)
Laboratory glassware - Volumetric instruments - Methods for testing of capacity and for use (ISO 4787:2010, corrected version 2010-06-15)

Keel: en, et
Alusdokumendid: ISO 4787:2010; EN ISO 4787:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 4787:2022
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 3501:2015

Plastics piping systems - Mechanical joints between fittings and pressure pipes - Test method for resistance to pull-out under constant longitudinal force (ISO 3501:2015)

Keel: en
Alusdokumendid: ISO 3501:2015; EN ISO 3501:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 3501:2022
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

CLC/TS 50238-3:2019

Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters

Keel: en
Alusdokumendid: CLC/TS 50238-3:2019
Asendatud järgmise dokumendiga: CLC/TS 50238-3:2022
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 60749-39:2006

Semiconductor devices - Mechanical and climatic test methods -- Part 39: Measurement of moisture diffusivity and water solubility in organic materials used for semiconductor components

Keel: en
Alusdokumendid: IEC 60749-39:2006; EN 60749-39:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60749-39:2022
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 62037-6:2013

Passive RF and microwave devices, intermodulation level measurement - Part 6: Measurement of passive intermodulation in antennas (IEC 62037-6:2013)

Keel: en
Alusdokumendid: IEC 62037-6:2013; EN 62037-6:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62037-6:2022
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

CLC/TS 50238-3:2019

Railway applications - Compatibility between rolling stock and train detection systems - Part 3: Compatibility with axle counters

Keel: en
Alusdokumendid: CLC/TS 50238-3:2019
Asendatud järgmise dokumendiga: CLC/TS 50238-3:2022
Standardi staatus: Kehtetu

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN ISO 8611-1:2012
Pallets for materials handling - Flat pallets - Part 1: Test methods (ISO 8611-1:2011)

Keel: en
Alusdokumendid: ISO 8611-1:2011; EN ISO 8611-1:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 8611-1:2022
Standardi staatus: Kehtetu

EVS-EN ISO 8611-2:2012
Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests (ISO 8611-2:2011)

Keel: en
Alusdokumendid: ISO 8611-2:2011; EN ISO 8611-2:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 8611-2:2022
Muudetud järgmise dokumendiga: EVS-EN ISO 8611-2:2012/A1:2016
Standardi staatus: Kehtetu

EVS-EN ISO 8611-2:2012/A1:2016
Pallets for materials handling - Flat pallets - Part 2: Performance requirements and selection of tests (ISO 8611-2:2011/Amd 1:2016)

Keel: en
Alusdokumendid: ISO 8611-2:2011/Amd 1:2016; EN ISO 8611-2:2012/A1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 8611-2:2022
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 12759:2002
Rubber- or plastic-coated fabrics - Determination of resistance to liquids

Keel: en
Alusdokumendid: EN 12759:2001
Asendatud järgmise dokumendiga: EVS-EN ISO 6450:2021
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 12543-5:2011
Klaas ehitusmaterjalina. Lamineeritud klaas ja kildumatu lamineeritud klaas. Osa 5: Mõõtmed ja serva töötlus (ISO 12543-5:2011)
Glass in building - Laminated glass and laminated safety glass - Part 5: Dimensions and edge finishing (ISO 12543-5:2011)

Keel: en
Alusdokumendid: ISO 12543-5:2011; EN ISO 12543-5:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 12543-5:2022
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN ISO 3382-3:2012
Acoustics - Measurement of room acoustic parameters - Part 3: Open plan offices (ISO 3382-3:2012)

Keel: en
Alusdokumendid: ISO 3382-3:2012; EN ISO 3382-3:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 3382-3:2022
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 16902:2016
Jookide kommertskülmikud. Klassifikatsioon, nõuded ja katsetingimused
Commercial beverage coolers - Classification, requirements and test conditions

Keel: en

Alusdokumendid: EN 16902:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 22044:2022
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

prEN 15016-4
Railway applications - Technical documents - Part 4: Data exchange

This European Standard specifies the data exchange of technical documents such as bill of material, technical drawings and other related technical documents for rolling stock.

Keel: en
Alusdokumendid: prEN 15016-4
Asendab dokumenti: EVS-EN 15016-4:2006

Arvamusküsitluse lõppkuupäev: 01.04.2022

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

prEN ISO 14906
Electronic fee collection - Application interface definition for dedicated short-range communication (ISO/DIS 14906:2022)

This document specifies the application interface in the context of electronic fee collection (EFC) systems using the dedicated short-range communication (DSRC).

Keel: en
Alusdokumendid: ISO/DIS 14906; prEN ISO 14906
Asendab dokumenti: EVS-EN ISO 14906:2018
Asendab dokumenti: EVS-EN ISO 14906:2018/A1:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

11 TERVISEHOOLDUS

EN 60601-2-45:2011/prA2:2022
Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices

Amendment to EN 60601-2-45:2011

Keel: en
Alusdokumendid: IEC 60601-2-45/AMD2 ED3; EN 60601-2-45:2011/prA2:2022
Muudab dokumenti: EVS-EN 60601-2-45:2011
Muudab dokumenti: EVS-EN 60601-2-45:2011+A1:2015

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN ISO 8362-2:2015/prA1:2022

Injection containers and accessories - Part 2: Closures for injection vials - Amendment 1 (ISO 8362-2:2015/DAM 1:2022)

Amendment to EN ISO 8362-2:2015

Keel: en
Alusdokumendid: ISO 8362-2:2015/DAmd 1; EN ISO 8362-2:2015/prA1:2022
Muudab dokumenti: EVS-EN ISO 8362-2:2015

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 61676:2022

Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology

This International Standard specifies the performance requirements of instruments as used in the NON-INVASIVE MEASUREMENT of X-RAY TUBE VOLTAGE up to 150 kV and the relevant compliance tests. This standard also describes the method for calibration and gives guidance for estimating the uncertainty in measurements performed under conditions different from those during calibration. Applications for such measurement are found in diagnostic RADIOLOGY including mammography, COMPUTED TOMOGRAPHY (CT), dental radiology and RADIOSCOPY. This standard is not concerned with the safety aspect of such instruments. The requirements for electrical safety applying to them are contained in IEC 61010-1.

Keel: en
Alusdokumendid: IEC 61676 ED2; prEN IEC 61676:2022
Asendab dokumenti: EVS-EN 61676:2003
Asendab dokumenti: EVS-EN 61676:2003/A1:2009

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 3630-2

Dentistry - Endodontic instruments - Part 2: Enlargers (ISO/DIS 3630-2:2022)

This part of ISO 3630 specifies requirements for enlargers not cited in ISO 3630-1, ISO 3630-3, ISO 3630-4, ISO 3630-5, ISO 3630-6 or ISO 3630-7. This part of ISO 3630 specifies requirements for size, marking, product designation, safety considerations, and their labeling and packaging, including the instructions for use.

Keel: en
Alusdokumendid: ISO/DIS 3630-2; prEN ISO 3630-2
Asendab dokumenti: EVS-EN ISO 3630-2:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 407:2020/prA1

Protective gloves and other hand protective equipments against thermal risks (heat and/or fire)

This document specifies requirements, test methods, marking and information for protective gloves and other hand protective equipment's against thermal risks for professional use, consumer, domestic use. This document is also applicable to arm protective equipment. It is used for all gloves and other hand protective equipment's which protect the hands or part of the hand against heat and/or fire in one or more of the following forms: flame, contact heat, convective heat, radiant heat, small splashes or large quantities of molten metal. This standarddocument is only applicable in conjunction with EN ISO 21420:2020. This document doesn'tdoes not apply to gloves for fire-fighters or welding that have their own standards.

Keel: en
Alusdokumendid: EN 407:2020/prA1
Muudab dokumenti: EVS-EN 407:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN 469:2020/prA1

Protective clothing for firefighters - Performance requirements for protective clothing for firefighting activities

This document specifies minimum performance requirements for protective clothing designed to be worn during firefighting activities. The requirements detailed in this document cover design, heat and flame, mechanical, chemical, comfort, and visibility. This document covers the general clothing design, the minimum performance levels of the material used, the methods of test to be used to determine these performance levels, marking and information supplied by the manufacturer. This document makes distinction between firefighting activities dividing them into two performance levels based on a risk assessment: - Level 1: specifies the minimum requirements for firefighting clothing involving work associated with outdoor firefighting and their support activities, taking into account the environments and conditions of the expected operational scenarios of such firefighting activities. The level 1 is not applicable for protection against risks encountered in fighting fires or rescue from fire activities in structures, unless combined to a level 2 or other specialized PPE. - Level 2: specifies the minimum requirements for firefighting clothing for risks encountered in fighting fires and rescue from fire in structures. The distinction between Level 1 and Level 2 clothing is restricted to the requirements for heat and flame (X1 or X2 - Heat and Flame). These levels of protection can be reached by a single garment or a combination of separate garments. Additional marking provides two grades of protection for Y (protection against water penetration) and Z (water vapour resistance). It is essential that these performance grades are

indicated on the marking of the clothing and explained in the instructions for use. This document does not cover protective clothing for wildland firefighting, specialized firefighting in a high amount of radiant heat where reflective clothing is required and/or advanced technical rescue operations dealing with hazardous chemicals, working with chainsaws and water and rope rescue. This document does not cover protection for the head, hands and feet or specific protection against other hazards e.g. chemical, biological, radiological and electrical hazards. These aspects may be covered in other European Standards.

Keel: en
Alusdokumendid: EN 469:2020/prA1
Muudab dokumenti: EVS-EN 469:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN 50136-2:2013/prA1

Alarm systems - Alarm transmission systems and equipment - Part 2: Requirements for Supervised Premises Transceiver (SPT)

This European Standard specifies the general equipment requirements for the performance, reliability, resilience, security and safety characteristics of supervised premises transceiver (SPT) installed in supervised premises and used in alarm transmission systems (ATS). A supervised premises transceiver can be a stand-alone device or an integrated part of an alarm system. These requirements also apply to SPT's sharing means of interconnection, control, communication and power supplies with other applications. The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. The term alarm is used in this broad sense throughout the document. Additional requirements for the connection of specific types of alarm systems are given in the relevant European Standards. Because the SPT can be applied in different applications (e.g. I&HAS, fire and social alarm systems), requirements for the SPT, additional to those of this European Standard, may be specified in separate application specific documents. This European Standard specifies the requirements specific to alarm transmission. Application specific requirements for the connection of the SPT to specific types of alarm systems are given in the EN/TS 50131 series for I&HAS, and EN 54 series for fire. For other SPT applications, see the relevant National or European standards.

Keel: en
Alusdokumendid: EN 50136-2:2013/prA1
Muudab dokumenti: EVS-EN 50136-2:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 1384

Helmets for equestrian activities

This European Standard specifies requirement for protective helmets that may or may not have a peak, for people involved in equestrian activities. It gives safety requirements that include methods of test and levels of performance for shock absorption, for resistance to penetration and for the strength and effectiveness of the retention system and the deflection of a peak if fitted.

Keel: en
Alusdokumendid: prEN 1384
Asendab dokumenti: EVS-EN 1384:2017

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 50194-1

Electrical apparatus for the detection of flammable gases in household and non-industrial premises - Part 1: Test methods and performance requirements

With the revision of the EN 50194-1, it should be included also the Household applications and in general what not covered by the IEC-EN 60079-29-1, that is the non classified areas. It will be to evaluate if to consider not only the detectors (normally stand alone) but also the sensors or module that, without enclosure, may be integrate inside some Appliances. Finally in this new revision it should be implemented the reference to the family standard developed in gas detection in the past years and not included in the present standard

Keel: en
Alusdokumendid: prEN 50194-1
Asendab dokumenti: EVS-EN 50194-1:2009

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 60335-2-119:2022

Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for commercial vacuum packaging appliances

This European Standard deals with the safety of commercial electric packaging appliances using vacuum conditions for food preservation, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en
Alusdokumendid: IEC 60335-2-119:2021; prEN 60335-2-119:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60335-2-119:2022/prA11:2022

Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for commercial vacuum packaging appliances

This European Standard deals with the safety of commercial electric packaging appliances using vacuum conditions for food preservation, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en
Alusdokumendid: prEN IEC 60335-2-119:2022/prA11:2022
Muudab dokumenti: prEN 60335-2-119:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 60404-12:2022

Magnetic materials - Part 12: Methods of test for the assessment of thermal endurance of surface insulation coatings on electrical steel strip and sheet

This part of IEC 60404 is applicable to surface insulation coatings on electrical steel strip and sheet classified in IEC 60404-1-1. The purpose of this document is to define the general principles and technical details of the tests for the assessment of the thermal endurance of surface insulation coatings on electrical steel strip and sheet. The assessment is made by evaluating the change of a specified property of the surface insulation coating due to a heat treatment at a specified temperature up to 850 °C and a specified duration time up to 2 500 h. The specified property is measured at an ambient temperature of (23 ± 5) °C both without heat treatment and after heat treatment. This document is applicable to the following properties of surface insulation coatings: – adhesion; – surface insulation resistance; – stacking factor. This document is not applicable to other properties of surface insulation coatings, e.g. welding properties, or to other effects e.g. discoloration and off-gassing, which can be caused by exposure to elevated temperatures. NOTE Some of the tests take a very long time to perform and therefore they may not be suitable for acceptance tests of material supplied on a specific order.

Keel: en
Alusdokumendid: IEC 60404-12 ED2; prEN IEC 60404-12:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 16668

Industrial valves - Requirements and testing for metallic valves as pressure accessories

This document applies to metallic valves as pressure accessories for industrial applications with a maximum allowable pressure PS greater than 0,5 bar in accordance with the European legislation for pressure equipment and specifies minimum requirements applicable to design, manufacture, testing, materials and documentation. All relevant essential safety requirements of the European legislation for pressure equipment applicable to valves have been taken into consideration and are addressed in this document. This document is not applicable to: - safety valve and bursting disc (a safety accessory), - sight glass with its frames (component of a pressure equipment) and - measurement chambers. For other exclusions, refer to the European legislation for pressure equipment [31].

Keel: en
Alusdokumendid: prEN 16668
Asendab dokumenti: EVS-EN 16668:2016+A1:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

25 TOOTMISTEHNOLOOGIA

prEN ISO 12153

Welding consumables - Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of nickel and nickel alloys - Classification (ISO/DIS 12153:2022)

ISO 12153:2011 specifies requirements for the classification of tubular cored electrodes for metal arc welding with or without a gas shield of nickel and nickel alloys. It includes those compositions in which the nickel content exceeds that of any other element.

Keel: en
Alusdokumendid: ISO/DIS 12153; prEN ISO 12153
Asendab dokumenti: EVS-EN ISO 12153:2012

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 13807

Vitreous and porcelain enamels - Determination of crack formation temperature in the thermal shock testing of enamels for the chemical industry (ISO/DIS 13807:2022)

This International Standard specifies a test method for the determination of the crack formation temperature of enamels for the chemical industry by subjecting enamelled steel specimens to thermal shock using cold water. The value of the crack formation

temperature measured according to this test method is not valid for the finished component (see annex A). It is a parameter of vitreous and porcelain enamels for comparing the relative quality of different enamel formulations.

Keel: en
Alusdokumendid: ISO/DIS 13807; prEN ISO 13807
Asendab dokumenti: EVS-EN ISO 13807:2009

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 15615

Gas welding equipment - Acetylene manifold systems for welding, cutting and allied processes - Safety requirements in high-pressure devices (ISO/DIS 15615:2022)

This document establishes the general specifications, requirements and tests for devices located on the high-pressure side of acetylene manifold systems up to 25 bar (2,5 MPa) as defined in ISO 14114. It does not cover the high-pressure piping, high-pressure flexible hoses or the pressure regulator.

Keel: en
Alusdokumendid: ISO/DIS 15615.2; prEN ISO 15615
Asendab dokumenti: EVS-EN ISO 15615:2013

Arvamusküsitluse lõppkuupäev: 02.03.2022

prEN ISO 28765

Vitreous and porcelain enamels - Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges (ISO/DIS 28765:2022)

ISO 28765:2016 establishes the requirements for the design and use of vitreous-enamel-coated bolted cylindrical steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges. It applies to the design of the tank and any associated roof and gives guidance on the requirements for the design of the foundation. It applies where a) the tank is cylindrical and is mounted on a load-bearing base substantially at or above ground level; b) the product of the tank diameter in metres and the wall height in metres lies within the range 5 to 500; c) the tank diameter does not exceed 100 m and the total wall height does not exceed 50 m; d) the stored material has the characteristics of a liquid, exerting a negligible frictional force on the tank wall; the stored material may be undergoing treatment as part of a municipal or industrial effluent treatment process; e) the internal pressure in the headspace above the liquid does not exceed 50 kPa and the internal partial vacuum above the liquid does not exceed 10 kPa; f) the walls of the tank are vertical; g) the floor of the tank is substantially flat at its intersection with the wall; the floor of the tank may have a rise or fall built in to allow complete emptying of the tank contents, the slope of which does not exceed 1:100; h) there is negligible inertial and impact load due to tank filling; i) the minimum thickness of the tank shell is 1,5 mm; j) the material used for the manufacture of the steel sheets is carbon steel (tanks constructed of sheets made from aluminium or stainless steel are outside the scope of this International Standard); k) the temperature of the tank wall during operation is within the range −50 °C to +100 °C under all operating conditions. ISO 28765:2016 also gives details of procedures to be followed during installation on site and for inspection and maintenance of the installed tank. It does not apply to chemical-reaction vessels. It does not cover resistance to fire.

Keel: en
Alusdokumendid: ISO/DIS 28765; prEN ISO 28765
Asendab dokumenti: EVS-EN ISO 28765:2016

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 6769

Vitreous and porcelain enamels - Determination of surface scratch hardness according to the Mohs scale (ISO/DIS 6769:2020)

This proposal specifies a method of test for determining the scratch hardness of the surface of vitreous and porcelain enamels.

Keel: en
Alusdokumendid: ISO/DIS 6769; prEN ISO 6769
Asendab dokumenti: EVS-EN 15771:2010

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 7963

Non-destructive testing - Ultrasonic testing - Specification for calibration block No. 2 (ISO/DIS 7963:2022)

ISO7963:2005 specifies the dimensions, material, manufacture and methods of use for calibration block No. 2 for calibrating and checking ultrasonic testing equipment

Keel: en
Alusdokumendid: ISO/DIS 7963; prEN ISO 7963
Asendab dokumenti: EVS-EN ISO 7963:2010

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO/ASTM 52908

Additive manufacturing of metals - Finished Part properties - Post-processing, inspection and testing of parts produced by powder bed fusion (ISO/ASTM DIS 52908:2022)

This standard sets requirements for the qualification, quality assurance and post processing for metal parts made by laser powder bed fusion. This standard defines methods and procedures for testing and qualification of various characteristics of additively manufactured metal parts, in accordance to ISO 17296-3:2014 Classes H and M. The standard is intended to be used by part providers and/or customers of parts. This standard is a top-level standard in the hierarchy of additive manufacturing standards in that it is intended to apply to metallic parts made by additive manufacturing. The standard defines qualification procedures and acceptance criteria where appropriate to meet defined quality levels.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52908; prEN ISO/ASTM 52908

Arvamusküsitluse lõppkuupäev: 01.04.2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 15218

Air conditioners and liquid chilling packages with evaporatively cooled condenser and with electrically driven compressors for space cooling - Terms, definitions, test conditions, test methods and requirements

This document specifies the terms, definitions, test conditions, test methods and requirements for rating the performance of air conditioners and liquid chilling packages, with electrically driven compressors and with evaporatively cooled condenser when used for space cooling. The evaporatively cooled condenser is cooled by air and by the evaporation of external additional water. This additional external water is fed by a specific water supply circuit or by a water tank. This document does not apply to air-to-air and air-to-water air conditioners with a condenser cooled by air and by the evaporation of water condensed on their evaporator. This document applies to units equipped with a water tank or with a continuous water circuit supply that can also operate without water feeding. However, this document only concerns the testing of these units with water feeding. This document applies to factory-made units which can be ducted. This document applies to factory-made units of either fixed capacity or variable capacity by any means. Packaged units, single split and multisplit systems are covered by this document. With regard to units consisting of several parts, this document applies only to those designed and supplied as a complete package. For evaporatively cooled condenser units that can also operate in heating mode, their performance in this mode is determined according to EN 14511 (all parts). Installations used for industrial processes cooling are not within the scope of this document. This document specifies the conditions for which performance data will be declared for compliance to the Ecodesign Regulation 206/2012 and to the Energy Labelling Regulation 626/2011 of air conditioners with evaporatively cooled condenser in cooling mode. NOTE All the symbols given in this text can be used regardless of language.

Keel: en
Alusdokumendid: prEN 15218
Asendab dokumenti: EVS-EN 15218:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

29 ELEKTROTEHNIKA

EN IEC 62281:2019/prA2:2022

Amendment 2 - Safety of primary and secondary lithium cells and batteries during transport

Amendment to EN IEC 62281:2019

Keel: en
Alusdokumendid: IEC 62281/AMD2 ED4; EN IEC 62281:2019/prA2:2022
Muudab dokumenti: EVS-EN IEC 62281:2019
Muudab dokumenti: EVS-EN IEC 62281:2019+A1:2021

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN IEC 63115-1:2020/prA1:2022

Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance

Amendment to EN IEC 63115-1:2020

Keel: en
Alusdokumendid: IEC 63115-1/AMD1 ED1; EN IEC 63115-1:2020/prA1:2022
Muudab dokumenti: EVS-EN IEC 63115-1:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60076-19:2022

Power transformers - Part 19: Rules for the determination of uncertainties in the measurement of the losses on power transformers

This part of IEC 60076 illustrates the procedures that should be applied to evaluate the uncertainty affecting the measurements of no-load and load losses during the routine tests on power transformers. This document centers on measuring systems utilizing digital instruments, although the procedures can be adapted to evaluation of systems with analogue instruments where further uncertainty sources have to be taken into account. This document describes how to determine measurement uncertainty. Information vis-à-vis judgment and traceability are given in Clauses 10.1 and 10.2 of IEC 60076-8:1997

Keel: en
Alusdokumendid: IEC 60076-19 ED1; prEN IEC 60076-19:2022
Asendab dokumenti: EVS-EN 60076-19:2015

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60404-12:2022

Magnetic materials - Part 12: Methods of test for the assessment of thermal endurance of surface insulation coatings on electrical steel strip and sheet

This part of IEC 60404 is applicable to surface insulation coatings on electrical steel strip and sheet classified in IEC 60404-1-1. The purpose of this document is to define the general principles and technical details of the tests for the assessment of the thermal endurance of surface insulation coatings on electrical steel strip and sheet. The assessment is made by evaluating the change of a specified property of the surface insulation coating due to a heat treatment at a specified temperature up to 850 °C and a specified duration time up to 2 500 h. The specified property is measured at an ambient temperature of (23 ± 5) °C both without heat treatment and after heat treatment. This document is applicable to the following properties of surface insulation coatings: – adhesion; – surface insulation resistance; – stacking factor. This document is not applicable to other properties of surface insulation coatings, e.g. welding properties, or to other effects e.g. discoloration and off-gassing, which can be caused by exposure to elevated temperatures. NOTE Some of the tests take a very long time to perform and therefore they may not be suitable for acceptance tests of material supplied on a specific order.

Keel: en
Alusdokumendid: IEC 60404-12 ED2; prEN IEC 60404-12:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 61812-1:2022

Time relays and coupling relays for industrial and residential use - Part 1: Requirements and tests

This part of the IEC 61812 series applies to time relays and coupling relays for industrial applications (e.g. control, automation, signal and industrial equipment) and for automatic electrical controls for use in, on, or in association with equipment for residential and similar use. The term "relay" as used in this document comprises all types of relays with specified time functions and coupling relays, other than measuring relays. This document defines type test and routine test to confirm the service condition.

Keel: en
Alusdokumendid: IEC 61812-1 ED3; prEN IEC 61812-1:2022
Asendab dokumenti: EVS-EN 61812-1:2011

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 62561-6:2022

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

This part of IEC 62561 specifies the requirements and tests for devices intended to count the number of lightning strikes based on the current flowing in a conductor. This conductor may be part of a lightning protection system (LPS) or connected to an SPD installation or other conductors, which are not intended to conduct a significant portion of lightning currents. LSCs for use in hazardous atmospheres, extra requirements for the components may be necessary to be taken. NOTE In CENELEC countries, testing requirements of components for explosive atmosphere are specified in CLC/TS 50703-2.

Keel: en
Alusdokumendid: IEC 62561-6 ED3; prEN IEC 62561-6:2022
Asendab dokumenti: EVS-EN IEC 62561-6:2018
Asendab dokumenti: EVS-EN IEC 62561-6:2018/AC:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 62722-2-1:2022

Luminaire performance - Part 2-1: Particular requirements for LED luminaires

This part of IEC 62722 specifies the performance requirements for LED luminaires, together with the test methods and conditions. It applies to LED luminaires for general lighting purposes. Semi-luminaires are not covered under the scope of this document. For some types of luminaires (e.g. decorative/household) the provision of performance data under the scope of this document is not appropriate The following types of LED luminaires are distinguished. Type A – Luminaires using LED modules where evidence of compliance with IEC 62717 is given. Type B – Luminaires using LED modules where no evidence of compliance with IEC 62717 is given. Luminaires using a LED lamp are covered in IEC 62722-1 and not by this document. The requirements of this document only relate to type testing. This document covers LED luminaires using LED modules, based on inorganic LED technology that produces white light. It does not cover luminaires using light sources based on OLED technology (organic LED technology). Life time of LED luminaires is in most cases much longer than the practical test times. Consequently, verification of manufacturer's life time claims is out of the scope of this document. Instead of life time validation, this document has opted for lumen maintenance categories at a defined finite test time. Therefore, the category number does not imply a prediction of achievable life time. The categories are lumen-depreciation character categories showing behaviour in agreement with manufacturer's information which is provided before the test is started.

Keel: en
Alusdokumendid: IEC 62722-2-1 ED2; prEN IEC 62722-2-1:2022

Asendab dokumenti: EVS-EN 62722-2-1:2016

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 63300:2022

Test methods for electrical and magnetic properties of magnetic powder cores

This standard provides the test methods for the electrical and magnetic properties of magnetic powder cores used for inductive components in electronics equipment, switch-mode power supplies and power conversion equipment, and introduces measuring principles, scope of application and matters needing attention for each method. The parameters used to characterize the magnetic powder cores include: inductance factor, effective permeability, complex relative permeability, temperature coefficient of permeability, frequency coefficient of permeability, DC bias characteristic, power loss, and quality factor. This standard is the basis for determining the characteristic parameters of magnetic powder cores.

Keel: en
Alusdokumendid: IEC 63300 ED1; prEN IEC 63300:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

33 SIDETEHNIKA

EN 50136-2:2013/prA1

Alarm systems - Alarm transmission systems and equipment - Part 2: Requirements for Supervised Premises Transceiver (SPT)

This European Standard specifies the general equipment requirements for the performance, reliability, resilience, security and safety characteristics of supervised premises transceiver (SPT) installed in supervised premises and used in alarm transmission systems (ATS). A supervised premises transceiver can be a stand-alone device or an integrated part of an alarm system. These requirements also apply to SPT's sharing means of interconnection, control, communication and power supplies with other applications. The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. The term alarm is used in this broad sense throughout the document. Additional requirements for the connection of specific types of alarm systems are given in the relevant European Standards. Because the SPT can be applied in different applications (e.g. I&HAS, fire and social alarm systems), requirements for the SPT, additional to those of this European Standard, may be specified in separate application specific documents. This European Standard specifies the requirements specific to alarm transmission. Application specific requirements for the connection of the SPT to specific types of alarm systems are given in the EN/TS 50131 series for I&HAS, and EN 54 series for fire. For other SPT applications, see the relevant National or European standards.

Keel: en
Alusdokumendid: EN 50136-2:2013/prA1
Muudab dokumenti: EVS-EN 50136-2:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 303 132 V2.0.1

Digitaalselektiivset kutsungit (DSC klass M) kasutavad väikese võimsusega mereside VHF isikuotsingu raadiomajakad; Raadiospektrile juurdepääsu ja hädaabiteenistustele vajalike funktsioonide harmoneeritud standard
Maritime low power VHF personal locating beacons employing Digital Selective Calling (DSC Class M); Harmonised Standard for access to radio spectrum and for features for emergency services

The present document specifies technical characteristics and methods of measurements for low power maritime personal locating beacons employing class M DSC signalling according to ETSI EN 300 338-6, on the VHF maritime mobile channel 70. Maritime personal locating beacons employing DSC signalling also include AIS with an integrated GNSS receiver to provide the locating function according to Recommendation ITU-R M.2135.0. The present document incorporates the relevant provisions of the International Telecommunication Union (ITU) radio regulations included in Recommendation ITU-R M.493-15 and Recommendation ITU-R M.1371-5. The present document does not provide technical requirements for conformance with the essential requirements of Directive 2014/53/EU for any integrated GNSS receiver providing locating function. NOTE: The relationship between the present document and essential requirements of article 3.2 and 3.3(g) of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 132 V2.0.1

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 303 213-5-2 V1.0.1

Lennuvälja maapealse liikluse täiustatud juhtimis- ja juhendamissüsteem (A-SMGCS); Osa 5. Raadiospektrile juurdepääsu harmoneeritud standard multilateraalse seiresüsteemi (MLAT) seadmetele; Alajaotus 2. Tugijaamad- ja maapealsete sõidukite saatjad
Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 2: Reference and Vehicle Transmitters

The present document specifies technical characteristics and methods of measurements for the following equipment: 1) devices transmitting in the 1 090 MHz band, used as ground-based reference transmitters in Mode S multilateration equipment in an Advanced Surface Movement Guidance and Control System (A-SMGCS); 2) devices transmitting in the 1 090 MHz band, used for ground vehicle tracking in an Advanced Surface Movement Guidance and Control System (A-SMGCS). Antennas for this equipment are considered to be passive without an additional amplifier. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 213-5-2 V1.0.1

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 319 532-4 V1.1.7

Electronic Signatures and Infrastructures (ESI); Registered Electronic Mail (REM) Services; Part 4: Interoperability profiles

The present document specifies the interoperability profiles of the Registered Electronic Mail (REM) messages according to the formats defined in ETSI EN 319 532-3 and the concepts and semantics defined in ETSI EN 319 532-1 and ETSI EN 319 532-2. It deals with issues relating to authentication, authenticity and integrity of the information, with the purpose to address the achievement of interoperability across REM service providers, implemented according to the aforementioned specifications. The present document covers all the options to profile REM services for both styles of operation: S&N and S&F. The mandatory requirements defined in the aforementioned referenced REM services specifications are not normally repeated here, but, when necessary, the present document contains some references to them. More specifically, the present document: a) Defines generalities on profiling. b) Defines constraints for SMTP profile. The present document also specifies a REM baseline supporting the technical interoperability amongst service providers in different regulatory frameworks. NOTE: Specifically but not exclusively, REM baseline specified in the present document aims at supporting implementations of interoperable REM services by use of Trusted List Frameworks to constitute Trusted domains and qualified REM services (instances of electronic registered delivery services) by use of EU Trusted List system as per Regulation (EU) No 910/2014.

Keel: en
Alusdokumendid: Draft ETSI EN 319 532-4 V1.1.7

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60793-1-1:2022

Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance

This part of IEC 60793 lists and gives guidance on the use of documents giving the uniform requirements for measuring and testing optical fibres, thereby assisting in the inspection of fibres and cables for commercial (mostly telecommunications) purposes. The individual measurement and test methods are contained in the different parts of the IEC 60793 series. They are identified as IEC 60793-1-X, where "X" is an assigned sub-part number, indicating its affiliation to the IEC 60793-1 series. In general, measurements and tests methods apply to all class A multimode fibres and class B and class C single-mode optical fibres covered by IEC 60793-2 (all parts) relating to product specifications, although there can be exceptions. Clause 1 of each part of the IEC 60793 series contains the scope for each particular attribute.

Keel: en
Alusdokumendid: IEC 60793-1-1 ED5; prEN IEC 60793-1-1:2022
Asendab dokumenti: EVS-EN 60793-1-1:2017

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60794-1-1:2022

Optical fibre cables - Part 1-1: Generic specification - General

This part of IEC 60794 applies to optical fibre cables for use with communication equipment and devices employing similar techniques. Electrical properties are specified for OPGW and OPPC cables. Hybrid communication cables are specified in IEC 62807 series.. The object of this standard is to establish uniform generic requirements for the geometrical, transmission, material, mechanical, ageing (environmental exposure), climatic and electrical properties of optical fibre cables and cable elements, where appropriate.

Keel: en
Alusdokumendid: IEC 60794-1-1 ED5; prEN IEC 60794-1-1:2022
Asendab dokumenti: EVS-EN 60794-1-1:2016

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60794-1-305:2022

Optical fibre cables - Part 1-305: Generic specifications - Basic optical cable test procedures - Cable element test methods - Ribbon tear (separability), Method G5

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements of optical fibre ribbons as optical fibre cable elements for the mechanical propertytear (separability). This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc. This test is applicable for edge-bonded ribbons and encapsulated ribbons specified in IEC 60794-1-31, and not intended to be used for partially-bonded ribbons.

Keel: en
Alusdokumendid: IEC 60794-1-305 ED1; prEN IEC 60794-1-305:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60794-1-309:2022

Optical fibre cables - Part 1-309: Generic specification - Basic optical cable test procedures - Cable element test methods- Bleeding and evaporation of filling or flooding compounds, Method G9

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements of optical fibre cable element, the filling compounds or flooding compounds, for the environmental property- bleeding and evaporation. This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

Keel: en
Alusdokumendid: IEC 60794-1-309 ED1; prEN IEC 60794-1-309:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60794-2-10:2022

Optical fibre cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables

This part of IEC 60794 is a family specification that covers simplex and duplex optical fibre cables for indoor use except for cables used in terminated assemblies specified by IEC 60794-2-50. The requirements of the Sectional specification IEC 60794-2 are applicable to cables covered by this standard. Cables intended for installation in industrial applications specified in ISO/IEC 11801-1, MICE specifications may be additionally required (see Annex B.2).

Keel: en
Alusdokumendid: IEC 60794-2-10 ED3; prEN IEC 60794-2-10:2022
Asendab dokumenti: EVS-EN 60794-2-10:2011

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 61754-37:2022

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 37: Type MDC connector family

This document defines the standard mechanical interface dimensions for the type of MDC family of connectors.

Keel: en
Alusdokumendid: IEC 61754-37 ED1; prEN IEC 61754-37:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

35 INFOTEHNOLOOGIA

EN 16931-1:2017+A1:2019/prA2

Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice

This European Standard establishes a semantic data model of the core elements of an electronic invoice. The semantic model includes only the essential information elements that an electronic invoice needs to ensure legal (including fiscal) compliance and to enable interoperability for cross-border, cross sector and for domestic trade. The semantic model may be used by organizations in the private and the public sector for public procurement invoicing. It may also be used for invoicing between private sector enterprises. It has not been specifically designed for invoicing consumers. This European Standard complies at least with the following criteria: - it is technologically neutral; - it is compatible with relevant international standards on electronic invoicing; - the application of this standard should comply with the requirements for the protection of personal data of Directive 95/46/EC, having due regard to the principles of privacy and data protection by-design, data minimization, purpose limitation, necessity and proportionality; - it is consistent with the relevant provisions of Directive 2006/112/EC [2]; - it allows for the establishment of practical, user-friendly, flexible and cost-efficient electronic invoicing systems; - it takes into account the special needs of small and medium-sized enterprises as well as of sub-central contracting authorities and contracting entities; - it is suitable for use in commercial transactions between enterprises.

Keel: en
Alusdokumendid: EN 16931-1:2017+A1:2019/prA2
Muudab dokumenti: EVS-EN 16931-1:2017+A1:2019

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 15016-4

Railway applications - Technical documents - Part 4: Data exchange

This European Standard specifies the data exchange of technical documents such as bill of material, technical drawings and other related technical documents for rolling stock.

Keel: en
Alusdokumendid: prEN 15016-4
Asendab dokumenti: EVS-EN 15016-4:2006

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 16931-8

Electronic invoicing - Part 8: Semantic data model of the elements of an e-receipt or a simplified electronic invoice

This document: • describes the content of electronic simplified invoices and e-receipts • describes business processes in which simplified invoices and e-receipts are exchanged

Keel: en
Alusdokumendid: prEN 16931-8

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 14906

Electronic fee collection - Application interface definition for dedicated short-range communication (ISO/DIS 14906:2022)

This document specifies the application interface in the context of electronic fee collection (EFC) systems using the dedicated short-range communication (DSRC).

Keel: en
Alusdokumendid: ISO/DIS 14906; prEN ISO 14906
Asendab dokumenti: EVS-EN ISO 14906:2018
Asendab dokumenti: EVS-EN ISO 14906:2018/A1:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 19123-3

Geographic information - Schema for coverage geometry and functions - Part 3: Processing fundamentals (ISO/DIS 19123-3:2022)

N/A

Keel: en
Alusdokumendid: ISO/DIS 19123-3; prEN ISO 19123-3

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 19156

Geographic information - Observations, measurements and samples (ISO/DIS 19156:2022)

This International Standard defines a conceptual schema for observations, for features involved in the observation process, and for features involved in sampling when making observations. These provide models for the exchange of information describing observation acts and their results, both within and between different scientific and technical communities. Observations commonly involve sampling of an ultimate feature-of-interest. This International Standard defines a common set of sample types according to their spatial, material (for ex-situ observations), or statistical nature. The schema includes relationships between sample features (sub-sampling, derived samples). This International Standard concerns only externally visible interfaces and places no restriction on the underlying implementations other than what is needed to satisfy the interface specifications in the actual situation.

Keel: en
Alusdokumendid: ISO/DIS 19156; prEN ISO 19156
Asendab dokumenti: EVS-EN ISO 19156:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

43 MAANTEESÕIDUKITE EHITUS

prEN ISO 15118-20

Road vehicles - Vehicle to grid communication interface - Part 20: 2nd generation network layer and application layer requirements (ISO/DIS 15118-20:2022)

This document specifies the communication between the electric vehicle (EV), including battery electric vehicle (BEV) and plug-in hybrid electric vehicle (PHEV), and the electric vehicle supply equipment (EVSE). The application layer messages defined in this document are designed to support the electricity power transfer between an EV and an EVSE. This document defines the communication messages and sequence requirements for bidirectional power transfer. This document furthermore defines requirements of wireless communication for both conductive charging and wireless charging as well as communication requirements for automatic connection device and information services about charging and control status. The purpose of this document is to detail the communication between an electric vehicle communication controller (EVCC) and a supply equipment communication controller (SECC). Aspects are specified to detect a vehicle in a communication network and enable an Internet Protocol (IP) based communication between the EVCC and the SECC (see Figure 1). This document defines messages, data model, XML/EXI-based data representation format, usage of V2GTP, TLS, TCP and IPv6. These requirements belong to the 3rd until the 7th OSI layer model. In addition, the document describes main service sequences of conductive charging, wireless power transfer and bidirectional power transfer, and how data link layer services can be accessed from an OSI layer 3 perspective.

Keel: en
Alusdokumendid: ISO/FDIS 15118-20; prEN ISO 15118-20
Asendab dokumenti: EVS-EN ISO 15118-2:2016

Arvamusküsitluse lõppkuupäev: 01.04.2022

45 RAUDTEETEHNIKA

prEN 15016-4
Railway applications - Technical documents - Part 4: Data exchange

This European Standard specifies the data exchange of technical documents such as bill of material, technical drawings and other related technical documents for rolling stock.

Keel: en
Alusdokumendid: prEN 15016-4
Asendab dokumenti: EVS-EN 15016-4:2006

Arvamusküsitluse lõppkuupäev: 01.04.2022

71 KEEMILINE TEHNOLOOGIA

prEN 13991
Derivatives from coal pyrolysis - Coal tar based oils: creosotes - Specifications and test methods

This European Standard gives the specifications and the test methods for creosotes for industrial wood preservation. Different grades of creosote are used depending on the desired properties of the treated wood. WARNING - The use of this European Standard may involve hazardous materials, operations and equipment. This standard cannot address all of the safety implications associated with its use. It is the responsibility of the user of this standard to establish appropriate health and safety practices and assess the applicability of regulatory limitations prior to use. The warnings to use are covered in annex C.

Keel: en
Alusdokumendid: prEN 13991
Asendab dokumenti: EVS-EN 13991:2003

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 17813
Environmental matrices - Halogens and sulfur by oxidative pyrohydrolytic combustion followed by ion chromatography detection and complementary determination methods

This document specifies a method for the simultaneous direct determination of the total fluorine, chlorine, bromine and sulfur content in environmental solid matrices. The method is applicable for the determination of concentrations ≥ 10 mg/kg of each element based on dry matter. The upper limit and exact concentration range covered depend on system blank levels of instrumentation and capacity of the chromatographic separation column used for determination. NOTE Simultaneous determination of total iodine content is possible but currently not validated.

Keel: en
Alusdokumendid: prEN 17813

Arvamusküsitluse lõppkuupäev: 01.04.2022

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 12177
Liquid petroleum products - Unleaded petrol - Determination of benzene content by gas chromatography

This document specifies a column switching gas chromatographic method for the quantitative determination of benzene content in the range 0,05 % (V/V) to 6 % (V/V) in unleaded petrol having a final boiling point not greater than 220 °C. The method described in this document is suitable for determining benzene in petrol, including petrol containing oxygenates up to E10 (up to 3,7 % (m/m) oxygen content), in line with the relevant EC Directives [3]. NOTE For the purposes of this document, the terms "% (V/V)" and "% (m/m)" are used to represent respectively the volume fraction and the mass fraction. WARNING - Use of this document might 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: prEN 12177
Asendab dokumenti: EVS-EN 12177:2000

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 13991
Derivatives from coal pyrolysis - Coal tar based oils: creosotes - Specifications and test methods

This European Standard gives the specifications and the test methods for creosotes for industrial wood preservation. Different grades of creosote are used depending on the desired properties of the treated wood. WARNING - The use of this European

Standard may involve hazardous materials, operations and equipment. This standard cannot address all of the safety implications associated with its use. It is the responsibility of the user of this standard to establish appropriate health and safety practices and assess the applicability of regulatory limitations prior to use. The warnings to use are covered in annex C.

Keel: en
Alusdokumendid: prEN 13991
Asendab dokumenti: EVS-EN 13991:2003

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 15195

Liquid petroleum products - Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber

This European Standard specifies a test method for the quantitative determination of ignition delay of middle distillate fuels intended for use in compression ignition engines. The method utilizes a constant volume combustion chamber designed for operation by compression ignition, and employing direct injection of fuel into compressed air that is controlled to a specified pressure and temperature. An equation is given to calculate the derived cetane number (DCN) from the ignition delay measurement. This European Standard is applicable to diesel fuels, including those containing fatty acid methyl esters (FAME) up to 30 % (V/V). The method is also applicable to middle distillate fuels of non-petroleum origin, oil-sands based fuels, blends of fuel containing biodiesel material, diesel fuel oils containing cetane number improver additives and low-sulfur diesel fuel oils. However, users applying this standard especially to unconventional distillate fuels are warned that the relationship between derived cetane number and combustion behaviour in real engines is not yet fully understood. The test method is also applicable to the quantitative determination of the ignition characteristics of FAME, especially the ignition delay. However the correlation data available were inconclusive about the precision of the equation. So the determination of derived cetane number for FAME fuel, also known as B100, has not been included in the precision determination as in Clause 13). This European Standard covers the ignition delay range from 2,8 ms to 6,3 ms (71 DCN to 34 DCN). The combustion analyser can measure shorter or longer ignition delays, but precision is not known. For these shorter or longer ignition delays the correlation equation for DCN is given in Annex D. NOTE 1 There is no information about how DCNs outside the 34 to 71 range compares to EN ISO 5165. NOTE 2 For the purpose of this European Standard, the expression “% (V/V)” is used to represent the volume fraction and “% (m/m)” the mass fraction. WARNING — The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: prEN 15195
Asendab dokumenti: EVS-EN 15195:2014

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 17306

Liquid petroleum products - Determination of distillation characteristics at atmospheric pressure - Micro-distillation

This document specifies a laboratory method for the determination of the distillation characteristics of light and middle distillates derived from petroleum and related products of synthetic or biological origin with initial boiling points above 20 °C and end-points below approximately 400 °C, at atmospheric pressure utilizing an automatic micro distillation apparatus. This test method is applicable to such products as; light and middle distillates, automotive spark-ignition engine fuels, automotive spark-ignition engine fuels containing up to 20 % ethanol, aviation gasolines, aviation turbine fuels, (paraffinic) diesel fuels, FAME (B100), diesel blends up to 30 % fatty acid methyl esters (FAME), special petroleum spirits, naphtha’s, white spirits, kerosene’s, burner fuels, and marine fuels. The test method is also applicable to hydrocarbons with a narrow boiling range, like organic solvents or oxygenated compounds. The test method is designed for the analysis of distillate products; it is not applicable to products containing appreciable quantities of residual material.

Keel: en
Alusdokumendid: prEN 17306
Asendab dokumenti: EVS-EN 17306:2019

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 21911-1

Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry (ISO/DIS 21911-1:2022)

This International Standard specifies analytical methods for quantification of the spontaneous heat generation from solid recovered fuels (SRF). This International Standard gives guidance on the applicability and use of the specified analytical methods. It further establishes specific procedures for sampling and sample handling of SRF fractions prior to the analysis of spontaneous heat generation. This International Standard gives guidance on the applicability and use of the data on spontaneous heat generation from the analytical methods specified.

Keel: en
Alusdokumendid: ISO/DIS 21911-1; prEN ISO 21911-1

Arvamusküsitluse lõppkuupäev: 01.04.2022

77 METALLURGIA

prEN 14242
Aluminium and aluminium alloys - Chemical analysis - Inductively coupled plasma optical emission spectral analysis

This European Standard describes detailed steps for dissolution and preparation of calibration solutions. The preferred use is for certification and referee analysis. All instrumentation, including software used in the testing laboratories, are different an subject to change. Therefore, general criteria for calibration and measurement are specified. This method has to be used with primary reference materials whose mass of substance have a significant smaller uncertainty as required of the repeatability of the testing procedure.

Keel: en
Alusdokumendid: prEN 14242
Asendab dokumenti: EVS-EN 14242:2004

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 3785
Metallic materials - Designation of test specimen axes in relation to product texture (ISO/DIS 3785:2022)

This International Standard specifies a method for designating test specimen axes in relation to product texture by means of an X-Y-Z orthogonal coordinate system. The system applies equally to unnotched and notched (or precracked) test specimens. The method is intended only for metallic materials with uniform texture that can be unambiguously determined. Test specimen orientation is decided before specimen machining, identified in accordance with the designation system specified in this International Standard, and recorded.

Keel: en
Alusdokumendid: ISO/DIS 3785; prEN ISO 3785
Asendab dokumenti: EVS-EN ISO 3785:2006

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 5755
Sintered metal materials - Specifications (ISO/DIS 5755:2022)

This document specifies a method of determining the water absorptiveness of paper and board, including corrugated fibreboard, under standard conditions. This document does not apply for paper of grammage less than 50 g/m2 or embossed paper. It is not applicable for porous papers such as newsprint or papers such as blotting paper or other papers having a relatively high water absorptiveness for which ISO 8787 is more suitable.

Keel: en
Alusdokumendid: ISO/DIS 5755; prEN ISO 5755
Asendab dokumenti: EVS-EN ISO 5755:2012

Arvamusküsitluse lõppkuupäev: 01.04.2022

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EN 12758:2019/prA1
Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in the European Standards for basic, special basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic. This document outlines the procedure, by which glass products may be rated, according to their acoustic performance which enables assessment of compliance with the acoustic requirements of buildings. Rigorous technical analysis of measurement data remains an option, but this standard is intended to enable the derivation of simpler indices of performance, which can be adopted with confidence by non-specialists. By adopting the principles of this standard the formulation of acoustic requirements in Building Codes and for product specification to satisfy particular needs for glazing is simplified. It is recognised that the acoustic test procedures contained within EN ISO 140-1 and EN ISO 140-3 relate only to glass panes and their combinations. Although the same principles should be followed as closely as possible, it is inevitable that some compromises are necessary, because of the bulkier construction of other glazing types, e.g. glass blocks, paver units, channel-shaped glass, structural glazing and structural sealant glazing. Guidelines on how to adapt the test procedures for these glazing types are offered in Clause 4. All the considerations of this standard relate to panes of glass/glazing alone. Incorporation of them into windows may cause changes in acoustic performance as a result of other influences, e.g. frame design, frame material, glazing material/method, mounting method, air tightness, etc. Measurements of the sound insulation of complete windows (glass and frame) may be undertaken to resolve such issues.

Keel: en
Alusdokumendid: EN 12758:2019/prA1
Muudab dokumenti: EVS-EN 12758:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

85 PABERITEHNOLOOGIA

prEN ISO 12625-15
Tissue paper and tissue products - Part 15: Determination of optical properties - Measurement of brightness and colour with C/2° (indoor daylight) illuminant (ISO/DIS 12625-15:2022)

ISO 12625-15:2015 specifies testing procedures for the instrumental determination of brightness and colour of tissue paper and tissue products viewed in indoor daylight conditions. It also gives specific instructions for the preparation of test pieces (single-ply, multi-ply products) and for the optical measurements of products, where special precautions may be necessary.

Keel: en
Alusdokumendid: ISO/DIS 12625-15; prEN ISO 12625-15
Asendab dokumenti: EVS-EN ISO 12625-15:2015

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 187
Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples (ISO/DIS 187:2022)

This International Standard specifies the standard atmospheres for conditioning and testing pulp, paper and board, the conditioning procedure and the procedures for measuring the temperature and relative humidity. For the conditioning of laboratory sheets in accordance with ISO 5269-1 or 5269-3 using the conventional sheet former, the standard atmosphere is that defined in this document but the sheets are not preconditioned.

Keel: en
Alusdokumendid: ISO/DIS 187; prEN ISO 187
Asendab dokumenti: EVS-EN 20187:2000

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 3037
Corrugated fibreboard - Determination of edgewise crush resistance (non-waxed edge method) (ISO/DIS 3037:2022)

This document specifies a non-waxed edge method for the determination of the edgewise crush resistance of corrugated fibreboard. It is applicable to all corrugated fibreboard grades from K to D, including manufacturers specification grades of the similar dimensions. For E grades it is applicable if no buckling and/or tipping occurs during measurement. Under the defined test piece dimensions, grades finer than E are excluded, since they are not measurable due to buckling and tipping.

Keel: en
Alusdokumendid: ISO/DIS 3037; prEN ISO 3037
Asendab dokumenti: EVS-EN ISO 3037:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 535
Paper and board - Determination of water absorptiveness - Cobb method (ISO/DIS 535:2022)

This document specifies a method of determining the water absorptiveness of paper and board, including corrugated fibreboard, under standard conditions. This document does not apply for paper of grammage less than 50 g/m2 or embossed paper. It is not applicable for porous papers such as newsprint or papers such as blotting paper or other papers having a relatively high water absorptiveness for which ISO 8787 is more suitable.

Keel: en
Alusdokumendid: ISO/DIS 535; prEN ISO 535
Asendab dokumenti: EVS-EN ISO 535:2014

Arvamusküsitluse lõppkuupäev: 01.04.2022

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 1522
Paints and varnishes - Pendulum damping test (ISO/DIS 1522:2022)

ISO 1522:2006 specifies two methods of carrying out a pendulum damping test on a coating of paint, varnish or other, related, product. It is applicable to single coatings and to multicoat systems.

Keel: en
Alusdokumendid: ISO/DIS 1522; prEN ISO 1522
Asendab dokumenti: EVS-EN ISO 1522:2007

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 18314-2
Analytical colorimetry - Part 2: Saunderson correction, solutions of the Kubelka-Munk equation, tinting strength, depth of shade, hiding power (ISO/DIS 18314-2:2022)

This document specifies the Saunderson correction for different measurement geometries and the solutions of the Kubelka-Munk equation for hiding and transparent layers. It also specifies methods for the calculations of the tinting strength including the residual colour difference with different criteria and of the hiding power. The procedures for preparing the samples for these measurements are not part of this document. They are agreed between the contracting parties or are described in other national or International Standards.

Keel: en
Alusdokumendid: ISO/DIS 18314-2; prEN ISO 18314-2
Asendab dokumenti: EVS-EN ISO 18314-2:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 18314-3

Analytical colorimetry - Part 3: Special indices (ISO/DIS 18314-3:2022)

This document specifies the Saunderson correction for different measurement geometries and the solutions of the Kubelka-Munk equation for hiding and transparent layers. It also specifies methods for the calculations of the tinting strength including the residual colour difference with different criteria and of the hiding power. The procedures for preparing the samples for these measurements are not part of this document. They are agreed between the contracting parties or are described in other national or International Standards.

Keel: en
Alusdokumendid: ISO/DIS 18314-2; prEN ISO 18314-3
Asendab dokumenti: EVS-EN ISO 18314-3:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN ISO 3262-6

Extenders - Specifications and methods of test - Part 6: Precipitated calcium carbonate (ISO/DIS 3262-6:2022)

This document specifies requirements and corresponding methods of test for precipitated calcium carbonate.

Keel: en
Alusdokumendid: ISO/DIS 3262-6; prEN ISO 3262-6
Asendab dokumenti: EVS-EN ISO 3262-6:2000

Arvamusküsitluse lõppkuupäev: 01.04.2022

91 EHITUSMATERJALID JA EHITUS

EN 12758:2019/prA1

Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in the European Standards for basic, special basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic. This document outlines the procedure, by which glass products may be rated, according to their acoustic performance which enables assessment of compliance with the acoustic requirements of buildings. Rigorous technical analysis of measurement data remains an option, but this standard is intended to enable the derivation of simpler indices of performance, which can be adopted with confidence by non-specialists. By adopting the principles of this standard the formulation of acoustic requirements in Building Codes and for product specification to satisfy particular needs for glazing is simplified. It is recognised that the acoustic test procedures contained within EN ISO 140-1 and EN ISO 140-3 relate only to glass panes and their combinations. Although the same principles should be followed as closely as possible, it is inevitable that some compromises are necessary, because of the bulkier construction of other glazing types, e.g. glass blocks, paver units, channel-shaped glass, structural glazing and structural sealant glazing. Guidelines on how to adapt the test procedures for these glazing types are offered in Clause 4. All the considerations of this standard relate to panes of glass/glazing alone. Incorporation of them into windows may cause changes in acoustic performance as a result of other influences, e.g. frame design, frame material, glazing material/method, mounting method, air tightness, etc. Measurements of the sound insulation of complete windows (glass and frame) may be undertaken to resolve such issues.

Keel: en
Alusdokumendid: EN 12758:2019/prA1
Muudab dokumenti: EVS-EN 12758:2020

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 15218

Air conditioners and liquid chilling packages with evaporatively cooled condenser and with electrically driven compressors for space cooling - Terms, definitions, test conditions, test methods and requirements

This document specifies the terms, definitions, test conditions, test methods and requirements for rating the performance of air conditioners and liquid chilling packages, with electrically driven compressors and with evaporatively cooled condenser when used for space cooling. The evaporatively cooled condenser is cooled by air and by the evaporation of external additional water. This additional external water is fed by a specific water supply circuit or by a water tank. This document does not apply to air-to-air and air-to-water air conditioners with a condenser cooled by air and by the evaporation of water condensed on their

evaporator. This document applies to units equipped with a water tank or with a continuous water circuit supply that can also operate without water feeding. However, this document only concerns the testing of these units with water feeding. This document applies to factory-made units which can be ducted. This document applies to factory-made units of either fixed capacity or variable capacity by any means. Packaged units, single split and multisplit systems are covered by this document. With regard to units consisting of several parts, this document applies only to those designed and supplied as a complete package. For evaporatively cooled condenser units that can also operate in heating mode, their performance in this mode is determined according to EN 14511 (all parts). Installations used for industrial processes cooling are not within the scope of this document. This document specifies the conditions for which performance data will be declared for compliance to the Ecodesign Regulation 206/2012 and to the Energy Labelling Regulation 626/2011 of air conditioners with evaporatively cooled condenser in cooling mode. NOTE All the symbols given in this text can be used regardless of language.

Keel: en
Alusdokumendid: prEN 15218
Asendab dokumenti: EVS-EN 15218:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 17237

Thermal insulation products for buildings - External thermal insulation composite kits with a rendering system (ETIC kits) - Characteristics

This document specifies the characteristics and performance for design External Thermal Insulation Composite Systems (design ETICS) with rendering systems on thermal insulation products, delivered as a kit by a system holder, and used as thermal insulation for buildings. This document covers design ETICS kits on walls which are made of masonry (bricks, blocks, stones, etc.) or concrete (cast on site or as prefabricated panels) with or without rendering systems. This document covers ETICS with thermal insulation products made of cellular glass, expanded polystyrene, expanded cork, mineral wool, phenolic foam, rigid polyurethane foam, extruded polystyrene foam or wood fibre as far as they comply with Annex B. A design ETICS kit comprises a prefabricated insulation product bonded onto the wall, or mechanically fixed using anchors, profiles, etc., or a combination of adhesive and mechanical fixings. The insulation product is faced with a rendering system consisting of one or more layers (site applied), one of which contains reinforcement. The rendering system is applied directly to the insulating panels, without an air gap or disconnecting layer. This document is not applicable for: a) Mechanically fixed kits with supplementary adhesive with the mass per unit area of the rendering system of > 40 kg/m2 in end use conditions intended by the system holder and/or mechanical fixed kits with the mass per unit area of the rendering system plus thermal insulation product of > 65 kg/m2 intended by the system holder. b) Mechanically fixed kits without supplementary adhesive with the mass per unit area of the rendering system of > 30 kg/m2 in end use conditions intended by the system holder and/or mechanical fixed kits with the mass per unit area of the rendering system plus thermal insulation product of > 60 kg/m2 intended by the system holder and/or with a thickness of the thermal insulation product intended by the system holder of > 200 mm. For thermal insulations products with thicknesses ≤ 200 mm fixed with anchors without supplementary adhesive, the bending deformation of the mechanically fixing devices is assumed as negligible. c) Purely bonded kits with or without supplementary mechanically fixing devices with bonded area (coverage) less than 40 %, intended by the system holder. d) Mechanically fixed kits with supplementary adhesive with bonded area (coverage) less than 40 %, intended by the system holder. e) Kits incorporating a thermal insulation product providing a declared thermal resistance of less than 1 m2K/W. External insulation and finishing systems (EIFS) according to ISO 17738 are not covered by this standard.

Keel: en
Alusdokumendid: prEN 17237

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 62561-6:2022

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

This part of IEC 62561 specifies the requirements and tests for devices intended to count the number of lightning strikes based on the current flowing in a conductor. This conductor may be part of a lightning protection system (LPS) or connected to an SPD installation or other conductors, which are not intended to conduct a significant portion of lightning currents. LSCs for use in hazardous atmospheres, extra requirements for the components may be necessary to be taken. NOTE In CENELEC countries, testing requirements of components for explosive atmosphere are specified in CLC/TS 50703-2.

Keel: en
Alusdokumendid: IEC 62561-6 ED3; prEN IEC 62561-6:2022
Asendab dokumenti: EVS-EN IEC 62561-6:2018
Asendab dokumenti: EVS-EN IEC 62561-6:2018/AC:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

93 RAJATISED

prEN 13863-5

Concrete pavements - Part 5: Determination of the bond stress of dowels to be used in concrete pavements

This document specifies a method for the determination of the bond stress of dowels in concrete pavements.

Keel: en
Alusdokumendid: prEN 13863-5

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 13863-6

Concrete pavements - Part 6: Test method for the determination of the splitting tensile strength of concrete on cylindrical discs

This document specifies a method for the determination of the tensile strength on cylindrical discs of concrete using cylindrical discs as specimens, which can be - separately manufactured or - cut from cores of the finished concrete pavement.

Keel: en
Alusdokumendid: prEN 13863-6

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 13877-1

Concrete pavements - Part 1: Materials

This document specifies requirements for the constituents (concrete and other materials) of concrete pavements, cast in situ. Concrete compacted by rollers is not covered by this document. This document covers concrete pavements for roads, airfields, pedestrian footpaths, cycle tracks, storage areas, and in general for all traffic-bearing structures.

Keel: en
Alusdokumendid: prEN 13877-1
Asendab dokumenti: EVS-EN 13877-1:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 13877-2

Concrete pavements - Part 2: Functional requirements for concrete pavements

This document specifies requirements for concrete pavements cast in situ. Concrete compacted by rollers is not covered by this document. This document covers concrete pavements for roads, airfields, pedestrian footpaths, cycle tracks, storage areas, and in general for all traffic-bearing structures.

Keel: en
Alusdokumendid: prEN 13877-2
Asendab dokumenti: EVS-EN 13877-2:2013

Arvamusküsitluse lõppkuupäev: 01.04.2022

97 OLME. MEELELAHUTUS. SPORT

EN 1177:2018/prA1:2022

Impact attenuating playground surfacing - Methods of test for determination of impact attenuation

This European Standard specifies the test apparatus and the impact test methods for determining the impact attenuation of surfacing by measuring the acceleration experienced during impact. Test apparatus in compliance with this standard are applicable to tests carried out in a laboratory or on site by either methods described. NOTE The test methods described in this standard are also applicable for impact areas required in other standards than for playground equipment, e.g. for outdoor fitness equipment and parkour equipment.

Keel: en
Alusdokumendid: EN 1177:2018+AC:2019/prA1:2022
Muudab dokumenti: EVS-EN 1177:2018

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN 60335-2-42:2003/prA12:2022

Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens

This European Standard deals with the safety of electrically operated commercial forced convection ovens, steam cookers, steam-convection ovens and, exclusive of any other use, steam generators, not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Appliances within the scope of this standard are typically used in restaurants, canteens, hospitals and commercial enterprises such as bakeries, butcheries, etc

Keel: en
Alusdokumendid: EN 60335-2-42:2003/prA12:2022
Muudab dokumenti: EN 60335-2-42:2003/FprA2:2016
Muudab dokumenti: EVS-EN 60335-2-42:2003

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN 60335-2-47:2003/prA12:2022

Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans

This European Standard deals with the safety of electrically operated commercial boiling pans not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V

for other appliances. Appliances which are within the scope of this standard are typically used in restaurants, canteens, hospitals and commercial enterprises such as bakeries, butcheries,etc.

Keel: en
Alusdokumendid: EN 60335-2-47:2003/prA12:2022
Muudab dokumenti: EVS-EN 60335-2-47:2003
Muudab dokumenti: EVS-EN 60335-2-47:2003/A2:2019

Arvamusküsitluse lõppkuupäev: 01.04.2022

EN 60335-2-49:2003/prA12:2022

Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm

This European Standard deals with the safety of electrically operated commercial hot cupboards not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral, and 480 V for other appliances. Hot cupboards with heated tops, heated display cases, heated crockery dispensers and heated shelves and tables are also within the scope of this standard. The appliances within the scope of this standard are typically used in restaurants, canteens, hospitals and similar commercial enterprises.

Keel: en
Alusdokumendid: EN 60335-2-49:2003/prA12:2022
Muudab dokumenti: EVS-EN 60335-2-49:2003

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 14499

Textile floor coverings - Classification of carpet underlays

This document specifies minimum performance requirements for fibrous, non-fibrous and combined underlays, together with their classification for five categories of intended use/application.

Keel: en
Alusdokumendid: prEN 14499
Asendab dokumenti: EVS-EN 14499:2015

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 564

Mountaineering equipment - Accessory cords - Safety requirements and test methods

This document specifies safety requirements and test methods for accessory cords, supplied on a drum or in separate lengths, for use in mountaineering including climbing.

Keel: en
Alusdokumendid: prEN 564
Asendab dokumenti: EVS-EN 564:2014

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN 60335-2-119:2022

Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for commercial vacuum packaging appliances

This European Standard deals with the safety of commercial electric packaging appliances using vacuum conditions for food preservation, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en
Alusdokumendid: IEC 60335-2-119:2021; prEN 60335-2-119:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

prEN IEC 60335-2-119:2022/prA11:2022

Household and similar electrical appliances - Safety - Part 2-119: Particular requirements for commercial vacuum packaging appliances

This European Standard deals with the safety of commercial electric packaging appliances using vacuum conditions for food preservation, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances

Keel: en
Alusdokumendid: prEN IEC 60335-2-119:2022/prA11:2022
Muudab dokumenti: prEN 60335-2-119:2022

Arvamusküsitluse lõppkuupäev: 01.04.2022

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 ISO 11885:2009

Vee kvaliteet. Valitud elementide määramine induktiivsidestatud plasma optilise emissiooni spektromeetria (ICP-OES) meetodil

See rahvusvaheline standard määrab kindlaks meetodi lahustunud elementide, osakestega seotud elementide (“osakesed”) ja elementide kogusisalduse määramiseks erinevat tüüpi vees (nt maa-, pinna-, toor-, joogi- ja reovesi) järgmiste elementide jaoks: alumiinium, antimon, arseen, baarium, berüllium, vismut, boor, kaadmium, kaltsium, kroom, koobalt, vask, gallium, indium, raud, plii, liitium, magneesium, mangaan, molübdeen, nikkel, fosfor, kaalium, seleen, räni, hõbe, naatrium, strontsium, väävel, tina, titaan, volfram, vanaadium, tsink ja tsirkoonium. Võttes arvesse spetsiifilisi ja täiendavalt esinevaid interferentse saab neid elemente määrata ka vee, muda ja setete lagundamisel (näiteks vee lagundamine on määratletud ISO-s 15587-1 või ISO-s 15587-2). Meetod sobib tahkete osakeste massikontsentratsioonide korral reovees alla 2 g/l. Selle meetodi kohaldamise ala võib laiendada teistele maatriksitele või suurematele tahkete osakeste kogustele, kui on võimalik näidata, et täiendavaid häireid arvestatakse ja korrigeeritakse hoolikalt. Kasutaja ülesanne on näidata sobivust eesmärgipäraselt. Valitud elementide soovitatavad lainepikkused, kvantiseerimispiirid ja olulised spektraalsed interferentsid on toodud tabelis 1.

Keel: et
Alusdokumendid: ISO 11885:2007; EN ISO 11885:2009

Kommenteerimise lõppkuupäev: 02.03.2022

EVS-EN ISO 8848:2021

Väikelaevad. Kaugjuhtimisega rooliseadmed

See dokument täpsustab projekteerimis-, ehitus-, paigaldus- ja katsetusnõuded kaugjuhitavate mehaanilise trossiga rooliseadmete jaoks ning väljundvarda liidestuspunkti väikelaevade roolide, joamootorite, pära- ja pöördkäiturite jaoks. See kehtib erinevat tüüpi veesõidukitel kasutatavate rooliseadmete kolmele eri liigile: — standardse töörežiimiga rooliseadmed väikelaevadele ühe- ja kahekordse paigaldusega päramootorite (koguvõimsusega üle 15 kW) ning roolide, pöördkäiturite ja veejoamootoritega; — kerge töörežiimiga rooliseadmed väikelaevadele ühe päramootoriga, mille võimsus on 15 kW kuni 40 kW; — jugakäituriga rooliseadmed, välja arvatud isiklik veesõiduk. MÄRKUS Standardse ja kerge töörežiimiga rooliseadmed on mehaaniliselt vahetatavad. Standardse töörežiimiga rooliseadet saab kasutada veesõidukil, mis on projekteeritud kasutamiseks koos kerge töörežiimiga rooliseadmega. Samas ei saa aga kerge töörežiimiga rooliseadet kasutada veesõidukil, mis vajab standardse töörežiimiga rooliseadet. Jugakäituriga rooliseadmed on eelmainitud süsteemidest mehaaniliselt eristatud ja neid võib kasutada ainult jugakäituriga veesõidukil nagu selles dokumendis määratletud. See dokument ei käsitle vahendeid veesõiduki juhtimiseks hädaolukorras.

Keel: et
Alusdokumendid: ISO 8848:2020; EN ISO 8848:2021

Kommenteerimise lõppkuupäev: 02.03.2022

prEN ISO 8655-2

Kolbmahumõõtevahendid. Osa 2: Pipetid

Selles dokumendis määratletakse — metroloogilised nõuded, — maksimaalselt lubatav hälve, — nõuded märgistamisele ja — kasutajatele edastatav teave, mis puudutavad ühe ja mitme kanaliga õhkpadjaga kolbpipette (tüüp A) ja kolbpipette (tüüp D), koos nende valitud otsiku(te)ga ning kõigi muude oluliste tarvikutega, mis on ette nähtud valitud mahu väljastamiseks (Ex).

Keel: et
Alusdokumendid: ISO/DIS 8655-2; prEN ISO 8655-2

Kommenteerimise lõppkuupäev: 02.03.2022

prEN ISO 8655-6

Kolbmahumõõtevahendid. Osa 6: Gravimeetriline tugimõõteprotseduur mahu määramiseks

Selles dokumendis määratletakse gravimeetriline tugimõõteprotseduur kolbmahumõõtevahendite (piston-operated volumetric apparatus POVA) mahu määramiseks. Protseduur hõlmab terviklikke süsteeme, mis sisaldavad põhiseadet ja kõiki seadmega kasutamiseks valitud osi, ühekordseid või korduvkasutatavaid, mis on seotud sisalduva mahu mõõtmisega (In) või mõõtmisega väljastamisel (Ex).

Keel: et
Alusdokumendid: ISO/DIS 8655-6; prEN ISO 8655-6

Kommenteerimise lõppkuupäev: 02.03.2022

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 908-1:2016

Hoone piirdetarindi soojusläbivuse arvutusjuhend. Osa 1: Välisõhuga kontaktis olev läbipaistmatu piire
Guidance for calculation of thermal transmittance of building envelope. Part 1: Opaque building envelope in contact with outdoor-air

Selles Eesti standardis antakse juhised materjalide soojuserijuhtivuste ja välisõhuga kontaktis olevate läbipaistmatute piirdetarindite soojusläbivuse arvutuseks. Selle standardi käsitlusalasse ei kuulu uksed, aknad ja muud avatäited või tarindid, mille kaudu toimub soojusülekanne pinnasesse, ning tarindid, mis on projekteeritud õhku läbilaskvaks. Materjalide soojuserijuhtivuse deklareeritud ja arvutusväärtuste määramise meetodid kehtivad arvutuslikel keskkonnatemperatuuridel vahemikus –30 °C kuni +60 °C. Soojuserijuhtivuse temperatuuri- ja niiskusepõhised teisendustegurid kehtivad keskmistel temperatuuridel vahemikus 0 °C kuni 30 °C. Piirdetarindite soojusläbivuse arvutusmeetod põhineb materjalide ja toodete soojuserijuhtivuse või soojustakistuse arvutusväärtusel. Meetodit saab rakendada selliste tarindite ja tarindiosade puhul, mis koosnevad soojuslikult homogeensetest kihtidest (mille seas võivad olla õhkvahed) või soojuslikult mittehomogeensetest kihtidest (välja arvatud juhtumid, kus soojustuskihis on oluline külmasild).

Kehtima jätmise alus: EVS/TK 14 otsus 26.11.2021 2-5/53 ja teade pikendamisküsitlusest 01.12.2021 EVS Teatajas

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.

Kehtima jätmise alus: EVS/TK 31 otsus 09.12.2022 2-5/57 ja teade pikendamisküsitlusest 15.12.2021 EVS Teatajas

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas allpool nimetatud standardite ja 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 15933:2012

Pinnas, sete ja töödeldud biojäätmed. pH määramine
Sludge, treated biowaste and soil - Determination of pH

This European Standard specifies a method for the determination of pH within the range pH 2 to pH 12 in a suspension of sludge, treated biowaste or soil in either water (pH-H2O), or a 0,01 mol/l calcium chloride solution (pH-CaCl2). This European Standard is applicable to sludge, treated biowaste and fresh or air-dry soil samples.

Keel: en
Alusdokumendid: EN 15933:2012
Tühistamisküsitluse lõppkuupäev: 02.03.2022

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

Selles rubriigis avaldame teavet Eesti standardite paranduste koostamise kohta. Standardiparandus koostatakse toimetuslikku laadi vigade (trükivead jms) kõrvaldamiseks standardist. Eesti standardi paranduse tähis koosneb standardi tähisest ja selle lõppu lisatud tähtedest AC.

Näiteks standardile EVS XXX:YYYY tehtud parandus kannab eraldi avaldatuna tähist EVS XXX:YYYY/AC:ZZZZ. Parandatud standardi tähis ei muutu.

EVS-EN IEC 61439-1:2021/AC:2022
Madalpingelised aparaadikoosted. Osa 1: Üldreeglid
Low-voltage switchgear and controlgear assemblies - Part 1: General rules

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.

CWA 5643-1:2021

Turism ja sellega seotud teenused. Nõuded ja suunised Covid-19 leviku vähendamiseks turisminduses
Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry (ISO/PAS 5643:2021)

Selles dokumendis kehtestatakse nõuded ja soovitused turismiettevõtetele koroonaviiruse SARS-CoV-2 leviku tõkestamiseks, et kaitsta oma töötajate tervist COVID-19 eest ning pakkuda turistidele ja elanikele ohutumaid turismiteenuseid ja -tooteid. MÄRKUS See dokument ei käsitle töötajate tööväliseid tegevusi. See dokument kehtib kogu turismi väärtusahela, sealhulgas järgmise 20 allsektori kohta: — majutuskohad; — seiklus- ja ökoturism; — rannad; — toitlustusteenused; — golfiteenused; — ravi- ja tervisekeskused; — konverentsiteenused; — muuseumid ja kultuurimälestised; — looduskaitsealad (natural protected areas, NPAs); — öine meelelahutus; — sukeldumine; — suusapiirkonnad; — teema- ja lõbustuspargid; MÄRKUS Siia kuuluvad veepargid, loomapargid (loomaaiad, akvaariumid, elusllooduse varjupaigad) ja perekondlikud meelelahutuskeskused. — turistide vedu; — reisijuhid; — turismiatraktsioonid; — turismiinfopunktid; — reisibürood; — unikaalsed avalikud ruumid; — jahisadamad ja merendusega seotud tegevused. Eeldatakse et iga turismiettevõte järgib ainult neid meetmeid, mida kohaldatakse tema pakutavate teenuste, sealhulgas peatükis 4 sätestatud põhinõuete, peatükis 5 toodud asjakohase kohaldatava jaotise ning peatükis 6 toodud asjakohaste kohaldatavate kõrvalteenuste ja -ruumide suhtes. MÄRKUS Termin „turismiettevõte“ kehtib kõigi 20 allsektori kohta.

EVS-EN 12600:2002

Ehitusklaas. Pendlikatse. Löögikatsemeetod ja lehtklaasi klassifikatsioon
Glass in building - Pendulum test - Impact test method and classification for flat glass

See Euroopa standard spetsifitseerib hoonetes kasutatavate üksikute klaasitahvlite pendellöögi-katsemeetodi. Katse eesmärk on klassifitseerida lehtklaastooted löögikindluse ja purunemisviisi põhjal kolme põhiklassi. See standard ei spetsifitseeri rakendusnõudeid ega ka nõudeid vastupidavusele.

EVS-EN 15978:2011

Ehitiste jätkusuutlikkus. Hoonete keskkonnatoimivuse hindamine. Arvutusmeetod
Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method

See Euroopa standard spetsifitseerib olelusringi hindamisel (Life Cycle Assessment, LCA) ja muul kvantifitseeritud keskkonnateabel põhineva arvutusmeetodi hoone keskkonnatoimivuse hindamiseks ning annab vahendid hindamise tulemuste esitamiseks ja edastamiseks. Standard on kohaldatav nii uutele kui ka olemasolevatele hoonetele ja renoveerimisprojektidele. Standard sisaldab — hindamisobjekti kirjeldust; — hoone tasemel kehtivaid süsteemi piire; — meetodeid, mida tuleb kasutada inventuuranalüüsil; — näitajate ja meetodite loetelu nende näitajate arvutamiseks; — tulemuste esitamisele ja teabevahetusele esitatavaid nõudeid — ning arvutamiseks vajalike andmete nõudeid. Hindamismeetod hõlmab hoone olelusringi kõiki etappe ja põhineb andmetel, mis on saadud toote keskkonnadeklaratsioonidest (Environmental Product Declarations, EPD), nende „teabemoodulitest“ (EN 15804) ning muust hindamiseks vajalikust ja asjakohasest teabest. Hindamine hõlmab kõiki hoonega seotud ehitustooteid, -protsesse ja -teenuseid, mida kasutatakse kogu hoone olelusringi jooksul. Hindamise tulemuste tõlgendamine ja väärtushinnangud ei kuulu selle Euroopa standardi käsitlusalasse.

EVS-EN 50708-2-1:2020

Jõutrafod. Täiendavad Euroopa nõuded. Osa 2-1: Keskmised jõutrafod. Üldnõuded
Power transformers - Additional European requirements - Part 2-1: Medium power transformer - General requirements

Selle dokumendi käsitlusala on määratleda keskmiste jõutrafode energiatõhusus standardi EN 50708-1-1:2020 kohaselt.

EVS-EN 60700-2:2016/A1:2022

Alalisvooluülekande türistorventiilid. Osa 2: Terminoloogia
Thyristor valves for high voltage direct current (HVDC) power transmission - Part 2: Terminology (IEC 60700-2:2016/AMD1:2021)

Standardi EVS-EN 60700-2:2016 muudatus.

EVS-EN 60700-2:2016+A1:2022

Alalisvooluülekande türistorventiilid. Osa 2: Terminoloogia
Thyristor valves for high voltage direct current (HVDC) power transmission - Part 2: Terminology (IEC 60700-2:2016 + IEC 60700-2:2016/AMD1:2021)

See standardi IEC 60700 osa määratleb liinikommutatsiooniga konverteritega, mis põhinevad kolmefaasilistel sildühendustel eesmärgiga muundada vahelduvvoolu alalisvooluks ja vastupidi, alalisvooluülekande türistorventiilide terminid.

EVS-EN 62271-1:2017/A1:2022

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1: Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus
High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017/AMD1:2021)

Standardi EVS-EN 62271-1:2017 muudatus.

EVS-EN 62271-1:2017+A1:2022

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1: Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus
High-voltage switchgear and controlgear. Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017 + IEC 62271-1:2017/AMD1:2021)

See standardi IEC 62271 osa rakendub vahelduvvoolu kõrgepingelisele lülitus- ja juhtimisaparatuurile kasutamisel sise- ja välispaigaldistes talitlussagedustel kuni 60 Hz (kaasa arvatud) elektrivõrkudes pingega üle 1000 V. See dokument rakendub igale kõrgepingelisele lülitus- ja juhtimisaparatuurile, kui vastavas IEC standardis ei ole konkreetset tüüpi kõrgepingelisele lülitus- ja juhtimisaparatuurile määratletud teisiti. MÄRKUS Selles dokumendis kasutamiseks määratletakse kõrgepingena nimipinget üle 1000 V. Kuid seejuures on üle 1 kV pingega ja tavaliselt kuni pingeni 52 kV (kaasa arvatud) jaotusvõrkudes üldiselt kasutusel termin keskpinge.

EVS-EN ISO 12543-5:2022

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas. Osa 5: Mõõdud ja serva viimistlus
Glass in building - Laminated glass and laminated safety glass - Part 5: Dimensions and edge finishing (ISO 12543-5:2021)

Dokument täpsustab ehitistes kasutatava lamineeritud klaasi ning lamineeritud turvaklaasi mõõte, piirhälbeid ja serva viimistlusi. Dokument ei ole kohaldatav tahvlitele, mille pindala on väiksem kui 0,05 m2.

EVS-EN ISO 14118:2018

Masinate ohutus. Ootamatu käivitumise vältimine
Safety of machinery - Prevention of unexpected start-up (ISO 14118:2017)

See dokument täpsustab nõuded sisseehitatud vahenditele, mis on ette nähtud masina ootamatu käivitumise vältimiseks (vt 3.2), et võimaldada inimeste ohutut sekkumist ohutsoonides (vt lisa A). See dokument rakendub masina ootamatule käivitumisele igat tüüpi energiaallikatest, sh — toiteallikas, nt elektriline, hüdrauliline, pneumaatiline; — salvestatud energia, nt gravitatsioonist, kokkusurutud vedrudest tingitud; — välismõjurid, nt tuulest tingitud. Selles standardis pole määratletud juhtimissüsteemide ohutust mõjutavate komponentide toimivus- või ohutuse terviklikkuse tasemed. Selles dokumendis on esitatud meetmed masinate ootamatu käivitumise vältimiseks, kuid standardis pole määratletud meetmeid kindlat tüüpi masinate ootamatu käivitumise vältimiseks. MÄRKUS C-liiki standard võib määratleda nõutud meetmed ootamatust käivitumisest tingitud kahju vältimiseks. Muul juhul peavad teatud tüüpi masina ohutusnõuded olema määratud riski hindamise abil väljaspool selle dokumendi käsitlusala.

EVS-EN ISO 4787:2022

Laboratooriumi klaas- ja plastnõud. Mahumõõdunõud. Mahu katsetamise ja kasutamise meetodid
Laboratory glass and plastic ware - Volumetric instruments - Methods for testing of capacity and for use (ISO 4787:2021)

See dokument esitab klaas- ja plastmahunõude katse-, kalibreerimis- ja kasutamismeetodid, et saavutada kasutamisel parim täpsustase. MÄRKUS Katsetamine on protsess, millega määratakse üksikute mahumõõtevahendite vastavus asjakohasele standardile ja mille tulemus on määratud mõõtmishälbed ühes või mitmes skaalapunktis. Dokument on rakendatav mahumõõdunõudele, mille nimimõõdud on vahemikus 100 µl kuni 10 000 ml. Need mahunõud hõlmavad ühemärgi pipette (vt ISO 648), skaalaga pipette (vt ISO 835), bürette (vt ISO 385), mahukolbe (vt ISO 1042 ja ISO 5215) ja skaalaga mõõtesilindreid (vt ISO 4788 ja ISO 6706). Need meetodid ei ole mõeldud alla 100 µl mahumõõdunõude, nagu näiteks mikroklaasnõude katsetamiseks. See dokument ei käsitle otseselt standardis ISO 3507 määratletud püknomeetreid. Siiski võib klaasnõude mahu määramiseks esitatud protseduure suures osas järgida ka püknomeetrite mahu määramiseks. Teatud tüüpi püknomeetrid võivad vajada erikäsitlust.

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

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

Standardi HD 60364-4-42:2011 muudatus

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

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

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

EVS-ISO 10014:2022

Kvaliteedijuhtimissüsteemid. Organisatsiooni juhtimine kvaliteetsete tulemuste saavutamiseks. Juhised rahaliste ja majanduslike hüvede saavutamiseks
Quality management systems - Managing an organization for quality results - Guidance for realizing financial and economic benefits (ISO 10014:2021, identical)

See dokument annab juhiseid rahaliste ja majanduslike hüvede saavutamiseks, rakendades ülalt alla struktureeritud lähenemisviisi rahaliste ja majanduslike hüvede saavutamiseks. Struktureeritud lähenemisviis kasutab kvaliteedijuhtimise põhimõtteid ja kvaliteedijuhtimissüsteemi, mida on kirjeldatud ISO 9000 juhtimissüsteemi standardite perekonnas selleks, et a) seirata ja juhtida peamiste tulemusmõõdikute suundumusi; b) rakendada parendamisega seonduvaid tegevusi, mis põhinevad täheldatud mõõdikutel. See dokument on suunatud konkreetselt organisatsiooni tippjuhtkonnale. See dokument on kohaldatav igale organisatsioonile, olenemata sellest, kas tegemist on avaliku, era- või mittetulundussektoriga, olenemata selle ärimudelist, tuludest, töötajate arvust, toote- ja teenusepakkumiste mitmekesisusest, organisatsioonikultuurist, protsesside keerukusest, kohast või asukohtade arvust. See dokument täiendab standardeid ISO 9001:2015 ja ISO 9004:2018 tulemuslikkuse parendamiseks ning toob näiteid nendes standardites kirjeldatud kontseptsioonide kohaldamisega saavutatavate hüvede kohta. Selles dokumendis tuvastatakse praktilised juhtimismeetodid ja -vahendid, mis aitavad hüvesid saavutada.

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
CWA 5643-1:2021	Tourism and related services - Requirements and guidelines to reduce the spread of Covid-19 in the tourism industry (ISO/PAS 5643:2021)	Turism ja sellega seotud teenused. Nõuded ja suunised Covid-19 leviku vähendamiseks turisminduses
EVS-EN 12600:2002	Glass in building - Pendulum test - Impact test method and classification for flat glass	Ehitusklaas. Pendlikatse. Löögikatsemeetod ja lehtklaasi klassifikatsioon
EVS-EN 15978:2011	Sustainability of construction works - Assessment of environmental performance of buildings - Calculation method	Ehitiste jätkusuutlikkus. Hoonete keskkonnatoimivuse hindamine. Arvutusmeetod