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EVS TEATAJA

Uued Eesti standardid

Standardikavandite arvamusküsitlus

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite tõlked kommenteerimisel

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

SISUKORD

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01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

CLC/TR 45550:2020

Definitions related to material efficiency

This document provides a compendium of all terms which been agreed for use in CEN-CLC standards, in the numerical range of 45552-45559. Such terms are intended to be used in other standards about material efficiency, developed based on CEN-CLC standards, in the numerical range of 45552-45559, or intended to complement that series. They also constitute the basis for development of new definitions used in product-specific material efficiency standards.

Keel: en

Alusdokumendid: CLC/TR 45550:2020

EVS-EN ISO 22553-1:2020

Paints and varnishes - Electro-deposition coatings - Part 1: Vocabulary (ISO 22553-1:2019)

This document defines terms for electro-deposition coatings. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-1:2019; EN ISO 22553-1:2020

EVS-EN ISO 23243:2020

Non-destructive testing - Ultrasonic testing with arrays - Vocabulary (ISO 23243:2020)

This document defines the terms related to phased arrays used in ultrasonic non-destructive testing. Note: The general terms used in ultrasonic non-destructive testing are defined in EN ISO 5577.

Keel: en

Alusdokumendid: ISO 23243:2020; EN ISO 23243:2020

Asendab dokumenti: EVS-EN 16018:2011

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

EVS-EN 17419-1:2020

Digital Information Interchange in the Insurance Industry - Transfer of electronic documents - Part 1: Process and Data Model

This document defines the process and the structure of the transfer of electronic documents, and facilitates the transfer of electronic documents between stakeholders in the insurance industry.

Keel: en

Alusdokumendid: EN 17419-1:2020

EVS-EN ISO/IEC 27006:2020

Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (ISO/IEC 27006:2015, including Amd 1:2020)

ISO/IEC 27006:2015 specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021-1 and ISO/IEC 27001. It is primarily intended to support the accreditation of certification bodies providing ISMS certification. The requirements contained in this International Standard need to be demonstrated in terms of competence and reliability by any body providing ISMS certification, and the guidance contained in this International Standard provides additional interpretation of these requirements for any body providing ISMS certification. NOTE This International Standard can be used as a criteria document for accreditation, peer assessment or other audit processes.

Keel: en

Alusdokumendid: ISO/IEC 27006:2015; EN ISO/IEC 27006:2020; ISO/IEC 27006:2015/Amd 1:2020

11 TERVISEHOOLDUS

EVS-EN IEC 63073-1:2020

Dedicated Radionuclide Imaging Devices - Characteristics and Test Conditions - Part 1: Cardiac SPECT

IEC 63073-1:2020 specifies terminology and test methods for describing the characteristics of SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY (SPECT) systems designed specifically for tomographic cardiac imaging. This includes dedicated systems or general purpose systems with dedicated sub-systems which are not included in the scope of IEC 61675-2.

Keel: en
Alusdokumendid: EN IEC 63073-1:2020; IEC 63073-1:2020

EVS-EN ISO 15004-1:2020

Silmainstrumentid. Põhinõuded ja katsemeetodid. Osa 1: Üldnõuded kõigile silmainstrumentidele

Ophthalmic instruments - Fundamental requirements and test methods - Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2020)

Selles dokumendis täpsustatakse põhinõudeid mitteinvasiivsetele, aktiivsetele ja mitteaktiivsetele silmainstrumentidele ning nägemise parandamise seadmetele. See dokument kehtib ka tonomeetrite kohta, kuid mitte silmamunaga kokkupuutes kasutatavate muude silmainstrumentide kohta. See dokument ei kehti operatsioonimikroskoopide, -endoskoopide ja silma laseruuringuteks ega laserraviks ette nähtud seadmete kohta.

Keel: en, et
Alusdokumendid: ISO 15004-1:2020; EN ISO 15004-1:2020
Asendab dokumenti: EVS-EN ISO 15004-1:2009

EVS-EN ISO 80601-2-70:2020

Medical electrical equipment - Part 2-70: Particular requirements for the basic safety and essential performance of sleep apnoea breathing therapy equipment (ISO 80601-2-70:2020)

This particular standard is applicable to the basic safety and essential performance of sleep apnoea breathing therapy equipment, hereafter referred to as ME equipment, intended to alleviate the symptoms of patients who suffer from obstructive sleep apnoea by delivering a therapeutic breathing pressure to the patient. Sleep apnoea breathing therapy equipment is intended for use in the home healthcare environment by lay operators as well as in professional healthcare institutions. This particular standard excludes sleep apnoea breathing therapy equipment intended for use with neonates. This particular standard is applicable to me equipment or an ME system intended for those patients who are not dependent on mechanical ventilation such as patients with central sleep apnoea. This particular standard is also applicable to those accessories intended by their manufacturer to be connected to sleep apnoea breathing therapy equipment, where the characteristics of those accessories can affect the basic safety or essential performance of the sleep apnoea breathing therapy equipment.

Keel: en
Alusdokumendid: ISO 80601-2-70:2020; EN ISO 80601-2-70:2020
Asendab dokumenti: EVS-EN ISO 17510-1:2009

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TR 17557:2020

Surface active agents - Bio-based surfactants - Overview on bio-based surfactants

The aim of this document is to summarize the actual situation regarding many aspects regarding bio-based surfactants and their relation to any other surfactant regardless of its origin. It will describe existing raw material sources with regard to their current usage in surface active agents, their source identification and conformation, and the options for communication same. It also includes the current work on surfactants regarding their performances, their sustainability, the LCA approaches and end of life options.

Keel: en
Alusdokumendid: CEN/TR 17557:2020

CEN/TS 16010:2020

Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates

This document specifies a system for sampling procedures for testing plastics waste and recyclates which take into account the specifics of the plastics waste and recyclates. It is intended to cover all stages of the plastic recycling process. The sampling procedures include the statistical specifics of the plastic waste and the behaviour of recyclates. The sampling method is expected to produce a representative testing sample. Differences can arise due to: - the mixture of plastics; - the origin (e.g. green dot in Germany, or electronic/automotive industry); - the previous use of the plastic material; - the residual contents (e.g. of containers); - inert, residual or moisture content on or in the material. This document is without prejudice to any existing legislation.

Keel: en
Alusdokumendid: CEN/TS 16010:2020
Asendab dokumenti: CEN/TS 16010:2013

CLC/TR 45550:2020

Definitions related to material efficiency

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Keel: en
Alusdokumendid: CLC/TR 45550:2020

EVS-EN 1837:2020

Masinate ohutus. Masinate integreeritud valgustus Safety of machinery - Integral lighting of machines

This document specifies the parameters of integral lighting systems designed to provide illumination in and/or at both stationary and mobile machines to enable the safe use of the machine and the efficient performance of the visual task within and/or at the machine to be carried out by the operator. This document does not specify lighting systems mounted on the machine to specifically illuminate visual tasks outside the machine. The function and requirements of these systems are specified in the European standard dealing with the lighting of work places, see EN 12464-1 and EN 12464-2 for further information. This document does not specify additional requirements for the operation of lighting systems: - in severe conditions (extreme environmental conditions such as freezer applications, high temperatures, etc.); - subject to special rules (e.g. explosive atmospheres); - where the transmittance is reduced by environmental conditions, such as smoke, splashing, etc.

Keel: en

Alusdokumendid: EN 1837:2020

Asendab dokumenti: EVS-EN 1837:1999+A1:2009

EVS-EN 352-5:2020

Kuulmiskaitsevahendid. Ohutusnõuded. Osa 5: Aktiivse mürasummutusega kõrvaklapid Hearing protectors - Safety requirements - Part 5: Active noise reduction earmuffs

This European Standard is applicable to active noise reduction (ANR) earmuffs. It specifies requirements on construction, design, performance, marking and user information related to the inclusion of the active noise reduction facility.

Keel: en

Alusdokumendid: EN 352-5:2020

Asendab dokumenti: EVS-EN 352-5:2003

Asendab dokumenti: EVS-EN 352-5:2003/A1:2006

EVS-EN 352-6:2020

Kuulmiskaitsevahendid. Ohutusnõuded. Osa 6: Ohutusalse audiosidega kõrvaklapid Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

This European Standard is applicable to earmuffs supplemented by a safety-related audio input. It specifies requirements on construction, design, performance, marking and user information related to the inclusion of the safety-related audio input.

Keel: en

Alusdokumendid: EN 352-6:2020

Asendab dokumenti: EVS-EN 352-6:2003

EVS-EN 60332-1-2:2004/A12:2020

Elektriliste ja optiliste kiudkaablite katsetamine tulekahju tingimustes. Osa 1-2: Katse tule vertikaalse leviku määramiseks üksiku isoleeritud juhtme või kaabli ulatuses. 1 kW eelsegunenud leegi puhul kohaldatav protseduur

Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame

This standard specifies the procedure for testing the resistance to vertical flame propagation for a single vertical electrical insulated conductor or cable, or optical fibre cable, under fire conditions.

Keel: en

Alusdokumendid: EN 60332-1-2:2004/A12:2020

Muudab dokumenti: EVS-EN 60332-1-2:2004

EVS-EN 60332-1-2:2004+A1+A11+A12:2020

Elektriliste ja optiliste kiudkaablite katsetamine tulekahju tingimustes. Osa 1-2: Katse tule vertikaalse leviku määramiseks üksiku isoleeritud juhtme või kaabli ulatuses. 1 kW eelsegunenud leegi puhul kohaldatav protseduur

Tests on electric and optical fibre cables under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame (IEC 60332-1-2:2004 + IEC 60332-1- 2:2004/A1:2015)

This part of IEC 60332 specifies the procedure for testing the resistance to vertical flame propagation for a single vertical electrical insulated conductor or cable, or optical fibre cable, under fire conditions. The apparatus is given in IEC 60332-1-1. NOTE 1 Testing to IEC 60332-1-2 may be performed simultaneously with that to IEC 60332-1-3 if required. Recommended requirements for performance are given in Annex A. IEC 60332-1-2 specifies the use of a 1 kW pre-mixed flame and is for general use, except that the procedure specified may not be suitable for the testing of small single insulated conductors or cables of less than 0,5 mm² total cross-section because the conductor melts before the test is completed, or for the testing of small optical fibre cables because the cable is broken before the test is completed. In these cases, the procedure given in IEC 60332-2-2 is recommended. NOTE 2 Since the use of insulated conductor or cable which retards flame propagation and complies with the recommended requirements of this standard is not sufficient by itself to prevent propagation of fire under all conditions of installation, it is recommended that wherever the risk of propagation is high, for example in long vertical runs of bunches of cables, special installation precautions should also be taken. It cannot be assumed that because the sample of

cable complies with the performance requirements recommended in this standard, that a bunch of cables will behave in a similar manner. (See IEC 60332-3 series.)

Keel: en

Alusdokumendid: IEC 60332-1-2:2004; EN 60332-1-2:2004; IEC 60332-1-2:2004/A1:2015; EN 60332-1-2:2004/A1:2015; EN 60332-1-2:2004/A11:2016; EN 60332-1-2:2004/A12:2020

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A1:2015

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A11:2016

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A12:2020

EVS-EN 71-2:2020

Mänguasjade ohutus. Osa 2: Süttivus Safety of toys - Part 2: Flammability

See Euroopa standard määrab kindlaks põlevmaterjalide kategooriad, mis on keelatud kõigis mänguasjades, ja nõuded, mis puudutavad teatud mänguasjade süttivust, kui nad on allutatud väikese süüteallika toimele. Peatükis 5 kirjeldatud katsemeetodeid kasutatakse mänguasjade süttivuse määramiseks kindlaksmääratud täpsetes katsetingimustes. Nii viisi saadud katsetulemusi ei saa käsitleda kui andmeid, mis annaksid üldise ülevaate mänguasjade või materjalide potentsiaalselt tuleohtlikkusest, siis kui neile rakendatakse teistsuguseid süttimisallikaid. See dokument sisaldab kõigi mänguasjade kohta kehtivaid üldnõudeid ning spetsiifilisi nõudeid ja katsemeetodeid järgmiste mänguasjade kohta, mida peetakse suurimat ohtu kujutavateks: — peas kantavad mänguasjad: habemed, vuntsid, parukad jne, mida valmistatakse karvadest või lendlevatest elementidest; maskid; kapuutsid; peahised jne. Siiski on välja jäetud paberist ja papist mütsid ilma kaunistuste või manusteta; — mängu maskeerimiskostüümid ning mänguasjad, mis on mõeldud lapsele mängu ajal seljaskandmiseks; — mänguasjad, mis on mõeldud lapsele sisenemiseks ja on valmistatud tekstiilidest ja/või polümeerist lehtedest ja kiledest; — pehme täidisega mänguasjad. MÄRKUS Lisanõuded elektriliste mänguasjade süttivusele on kindlaks määratud standardis EN 62115 [2].

Keel: en, et

Alusdokumendid: EN 71-2:2020

Asendab dokumenti: EVS-EN 71-2:2011+A1:2014

EVS-EN 840-1:2020/AC:2020

Mobile waste and recycling containers - Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices - Dimensions and design

Corrigendum to EN 840-1:2020

Keel: en

Alusdokumendid: EN 840-1:2020/AC:2020

Parandab dokumenti: EVS-EN 840-1:2020

EVS-EN ISO 22065:2020

Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2020)

This document specifies performance requirements and test methods under prescribed laboratory conditions for the evaluation of pumped samplers used in conjunction with an air sampling pump and of procedures using these samplers for the determination of gases and vapours in workplace atmospheres. This document addresses requirements for method developers and/or manufacturers. NOTE 1 For the purposes of this document, a manufacturer can be any commercial or non-commercial entity. NOTE 2 For the sampling of semi-volatile compounds which can appear as a mixture of vapours and airborne particles in workplace atmospheres see EN 13936. This document is applicable to pumped samplers and measuring procedures using these samplers in which sampling and analysis are carried out in separate stages. This document is not applicable to: - pumped samplers which are used for the direct determination of concentrations, for example, length-of-stain detector tubes; - samplers which rely on sorption into a liquid, and subsequent analysis of the solution (bubblers).

Keel: en

Alusdokumendid: ISO 22065:2020; EN ISO 22065:2020

Asendab dokumenti: EVS-EN ISO 22065:2019

17 METROLOOGIA JA MÕÖTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 60704-2-17:2020

Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-17: Particular requirements for dry-cleaning robots

IEC 60704-2-17:2020 describes the determination of the noise emission of dry-cleaning robots under normal operating conditions on carpet and hard floors. This document applies to electrical dry-cleaning robots (including their accessories and their component parts) for household use or under conditions similar to those in households. This document applies to electrical dry-cleaning robots operating in dry conditions only. Some additions and modifications for dry-cleaning robots operating in wet conditions are under consideration. This document does not apply to dry-cleaning robots for industrial or professional purposes. This document does not apply to – manually operated vacuum cleaners, and – dry-cleaning robots for outdoor use. This Part 2-17 is intended to be used in conjunction with IEC 60704-1:2010. The relevant text of IEC 60704-1:2010 as amended by this publication establishes the test code for dry-cleaning robots.

Keel: en

Alusdokumendid: EN IEC 60704-2-17:2020; IEC 60704-2-17:2020

EVS-EN ISO 6926:2016/A1:2020

Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels - Amendment 1 (ISO 6926:2016/Amd 1:2020)

Amendment to EN ISO 6926:2016

Keel: en

Alusdokumendid: ISO 6926:2016/Amd 1:2020; EN ISO 6926:2016/A1:2020

Muudab dokumenti: EVS-EN ISO 6926:2016

19 KATSETAMINE

EVS-EN IEC 60112:2020

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

IEC 60112:2020 specifies the method of test for the determination of the proof and comparative tracking indices of solid insulating materials on pieces taken from parts of equipment and on plaques of material using alternating voltage. This document provides a procedure for the determination of erosion when required. This test method evaluates the composition of the material as well as the surface of the material being evaluated. Both the composition and surface condition directly influence the results of the evaluation and are considered when using the results in material selection process. Test results are not directly suitable for the evaluation of safe creepage distances when designing electrical apparatus. This basic safety publication focusing on a safety test method is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. This edition includes the following significant technical changes with respect to the previous edition: Introduction of a new contaminant, solution C with a surfactant aligned with the test method of IEC 60587. The definition of the solution B was transferred to Annex B for backward reference. Introduction of a screening test, considering the fact that some materials can withstand high test voltages, but fail at lower test voltages. It has the status of a basic safety publication in accordance with IEC Guide 104.

Keel: en

Alusdokumendid: EN IEC 60112:2020; IEC 60112:2020

Asendab dokumenti: EVS-EN 60112:2003

Asendab dokumenti: EVS-EN 60112:2003/A1:2010

EVS-EN ISO 22232-2:2020

Mittepurustav katsetamine. Ultraheli katseseadmete määramine ja kontrollimine. Osa 2: Sondid

Non-destructive testing - Characterization and verification of ultrasonic test equipment - Part 2: Probes (ISO 22232-2:2020)

Selles dokumendis määratletakse mittepurustavas ultrahelikatsetamises kasutatavate sondide omadused järgmistes kategooriates, kesksagedustel vahemikus 0,5 MHz kuni 15 MHz, kas fookustavad või ilma fookustamiseta: a) piki- ja/või põiklaineid genereerivad ühe- või kahemuundurilised kontaktsondid; b) ühemuundurilised sukeldamissondid. Kui selles dokumendis on määratletud materjalist olenevad ultraheli väärtused, põhinevad need terastel, mille heilaine levimise kiirus on pikilainete puhul on (5920 ± 50) m/s ja põiklainete puhul (3255 ± 30) m/s. See dokument ei sisalda sondide perioodilisi katseid. Harjumuspärased katsed sondide kontrollimiseks kohapeal olevate protseduuride abil on toodud standardis ISO 22232-3. Kui sondi eluea jooksul tuleb lisaks standardis ISO 22232-3 määratud parameetritele kontrollida parameetreid, mis kokku lepitud osapoolte vahel, võib nende lisaparameetrite kontrolliprotseduuri valida selles dokumendis toodud protseduuride hulgast. See dokument ei hõlma ka faseeritud ultraheli sonde, seetõttu vaadake ISO 18563-2.

Keel: en, et

Alusdokumendid: ISO 22232-2:2020; EN ISO 22232-2:2020

Asendab dokumenti: EVS-EN 12668-2:2010

EVS-EN ISO 23243:2020

Non-destructive testing - Ultrasonic testing with arrays - Vocabulary (ISO 23243:2020)

This document defines the terms related to phased arrays used in ultrasonic non-destructive testing. Note: The general terms used in ultrasonic non-destructive testing are defined in EN ISO 5577.

Keel: en

Alusdokumendid: ISO 23243:2020; EN ISO 23243:2020

Asendab dokumenti: EVS-EN 16018:2011

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 1329-1:2020

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

This document specifies the requirements for solid wall pipes with smooth internal and external surfaces, extruded from the same formulation throughout the wall, fittings and the system of unplasticized poly(vinyl chloride) (PVC-U) piping systems intended for soil and waste discharge applications (low and high temperature): - inside buildings (application area code "B"); -

for both inside buildings and buried in ground within the building structure (application area code "BD"). NOTE 1 The intended use is reflected in the marking of products by "B" or "BD". NOTE 2 Application "B" covers uses above ground inside the building, or outside buildings fixed onto the wall. NOTE 3 Multilayer pipes with different formulations throughout the wall and foamed core pipes are covered by EN 1453-1 [1]. NOTE 4 For use buried in ground within the building structure are intended only those components (marked with "BD") with nominal outside diameters equal to or greater than 75 mm. NOTE 5 EN 476 [2] specifies the general requirements for components used in discharge pipes, drains and sewers for gravity systems. Pipes and fittings conforming to this standard fully meet these requirements. This document is also applicable to PVC-U pipes, fittings and the system intended for the following purposes: - ventilating part of the pipework in association with discharge applications; - rainwater pipework within the building structure. This document also specifies the test parameters for the test methods that are referred to. This document covers a range of nominal sizes, a range of pipes and fittings series and gives recommendations concerning colours. NOTE 6 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. NOTE 7 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex B can be used with pipes and fittings conforming to this document, provided they conform to the requirements for joint dimensions given in Clause 7 and to the requirements of Table 26.

Keel: en

Alusdokumendid: EN 1329-1:2020

Asendab dokumenti: EVS-EN 1329-1:2014+A1:2018

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 62714-4:2020/AC:2020

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 4: Logic

Corrigendum to EN IEC 62714-4:2020

Keel: en

Alusdokumendid: IEC 62714-4:2020/COR1:2020; EN IEC 62714-4:2020/AC:2020-12

Parandab dokumenti: EVS-EN IEC 62714-4:2020

EVS-EN IEC 62832-1:2020

Industrial-process measurement, control and automation - Digital factory framework - Part 1: General principles

This part of IEC 62832 defines the general principles of the Digital Factory framework (DF framework), which is a set of model elements (DF reference model) and rules for modelling production systems. This DF framework defines: - a model of production system assets; - a model of relationships between different production system assets; - the flow of information about production system assets. The DF framework does not cover representation of building construction, input resources (such as raw production material, assembly parts), consumables, work pieces in process, nor end products. It applies to the three types of production processes (continuous control, batch control and discrete control) in any industrial sector (for example aeronautic industries, automotive, chemicals, wood). NOTE This document does not provide an application scenario for descriptions based on ISO 15926 (all parts), because ISO 15926 (all parts) uses a different methodology for describing production systems. The representation of a production system according to this document is managed throughout all phases of the production system life cycle (for example design, construction, operation or maintenance). The requirements and specification of software tools supporting the DF framework are out of scope of this document.

Keel: en

Alusdokumendid: EN IEC 62832-1:2020; IEC 62832-1:2020

EVS-EN IEC 62832-2:2020

Industrial-process measurement, control and automation - Digital Factory framework - Part 2: Model elements

IEC 62832-2:2020 specifies detailed requirements for model elements of the Digital Factory framework. It defines the nature of the information provided by the model elements, but not the format of this information.

Keel: en

Alusdokumendid: EN IEC 62832-2:2020; IEC 62832-2:2020

EVS-EN IEC 62832-3:2020

Industrial-process measurement, control and automation - Digital factory framework - Part 3: Application of Digital Factory for life cycle management of production systems

IEC 62832-3:2020 specifies rules of the Digital Factory framework for managing information of a production system throughout its life cycle. It also defines how the information will be added, deleted or changed in the Digital Factory by the various activities during the life cycle of the production system.

Keel: en

Alusdokumendid: EN IEC 62832-3:2020; IEC 62832-3:2020

EVS-EN ISO/ASTM 52941:2020

Additive manufacturing - System performance and reliability - Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application (ISO/ASTM 52941:2020)

This document specifies requirements and test methods for the qualification of laser beam machines for metal powder bed additive manufacturing for aerospace applications.

Keel: en

Alusdokumendid: ISO/ASTM 52941:2020; EN ISO/ASTM 52941:2020

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 62788-1-4:2016/A1:2020

Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength

Amendment to EN 62788-1-4:2016

Keel: en

Alusdokumendid: EN 62788-1-4:2016/A1:2020; IEC 62788-1-4:2016/A1:2020

Muudab dokumenti: EVS-EN 62788-1-4:2016

EVS-EN IEC 61400-21-1:2019/A11:2020

Wind energy generation systems - Part 21-1: Measurement and assessment of electrical characteristics - Wind turbines

Amendment to EN IEC 61400-21-1:2019

Keel: en

Alusdokumendid: EN IEC 61400-21-1:2019/A11:2020

Muudab dokumenti: EVS-EN IEC 61400-21-1:2019

EVS-EN IEC 61400-3-1:2019/A11:2020

Wind energy generation systems - Part 3-1: Design requirements for fixed offshore wind turbines

Amendment to EN IEC 61400-3-1:2019

Keel: en

Alusdokumendid: EN IEC 61400-3-1:2019/A11:2020

Muudab dokumenti: EVS-EN IEC 61400-3-1:2019

EVS-EN IEC 61400-6:2020/AC:2020

Wind energy generation systems - Part 6: Tower and foundation design requirements

Corrigendum to EN IEC 61400-6:2020

Keel: en

Alusdokumendid: IEC 61400-6:2020/COR1:2020; EN IEC 61400-6:2020/AC:2020-12

Parandab dokumenti: EVS-EN IEC 61400-6:2020

EVS-EN IEC 62566-2:2020

Nuclear power plants - Instrumentation and control systems important to safety - Development of HDL-programmed integrated circuits - Part 2: HDL-programmed integrated circuits for systems performing category B or C functions

See the scope of IEC 62566-2:2020. Adoption of IEC 62566-2:2020 is to be done without modification.

Keel: en

Alusdokumendid: IEC 62566-2:2020; EN IEC 62566-2:2020

29 ELEKTROTEHNIKA

EVS-EN 50708-1-1:2020/AC:2020

Jõutrafod. Täiendavad Euroopa nõuded. Osa 1-1: Üldosa. Üldnõuded Power transformers - Additional European requirements: Part 1-1: Common part - General requirements

Standardi EN 50708-1-1:2020 parandus

Keel: en

Alusdokumendid: EN 50708-1-1:2020/AC:2020-12

Parandab dokumenti: EVS-EN 50708-1-1:2020

EVS-EN 50708-2-1:2020/AC:2020

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

Standardi EN 50708-2-1:2020 parandus

Keel: en

Alusdokumendid: EN 50708-2-1:2020/AC:2020-12

Parandab dokumenti: EVS-EN 50708-2-1:2020

EVS-EN 60332-1-2:2004/A12:2020

Elektriliste ja optiliste kiudkaablite katsetamine tulekahju tingimustes. Osa 1-2: Katse tule vertikaalse leviku määramiseks üksiku isoleeritud juhtme või kaabli ulatuses. 1 kW eelsegunenud leegi puhul kohaldatav protseduur

Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame

This standard specifies the procedure for testing the resistance to vertical flame propagation for a single vertical electrical insulated conductor or cable, or optical fibre cable, under fire conditions.

Keel: en

Alusdokumendid: EN 60332-1-2:2004/A12:2020

Muudab dokumenti: EVS-EN 60332-1-2:2004

EVS-EN 60332-1-2:2004+A1+A11+A12:2020

Elektriliste ja optiliste kiudkaablite katsetamine tulekahju tingimustes. Osa 1-2: Katse tule vertikaalse leviku määramiseks üksiku isoleeritud juhtme või kaabli ulatuses. 1 kW eelsegunenud leegi puhul kohaldatav protseduur

Tests on electric and optical fibre cables under fire conditions Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame (IEC 60332-1-2:2004 + IEC 60332-1- 2:2004/A1:2015)

This part of IEC 60332 specifies the procedure for testing the resistance to vertical flame propagation for a single vertical electrical insulated conductor or cable, or optical fibre cable, under fire conditions. The apparatus is given in IEC 60332-1-1. NOTE 1 Testing to IEC 60332-1-2 may be performed simultaneously with that to IEC 60332-1-3 if required. Recommended requirements for performance are given in Annex A. IEC 60332-1-2 specifies the use of a 1 kW pre-mixed flame and is for general use, except that the procedure specified may not be suitable for the testing of small single insulated conductors or cables of less than 0,5 mm² total cross-section because the conductor melts before the test is completed, or for the testing of small optical fibre cables because the cable is broken before the test is completed. In these cases, the procedure given in IEC 60332-2-2 is recommended. NOTE 2 Since the use of insulated conductor or cable which retards flame propagation and complies with the recommended requirements of this standard is not sufficient by itself to prevent propagation of fire under all conditions of installation, it is recommended that wherever the risk of propagation is high, for example in long vertical runs of bunches of cables, special installation precautions should also be taken. It cannot be assumed that because the sample of cable complies with the performance requirements recommended in this standard, that a bunch of cables will behave in a similar manner. (See IEC 60332-3 series.)

Keel: en

Alusdokumendid: IEC 60332-1-2:2004; EN 60332-1-2:2004; IEC 60332-1-2:2004/A1:2015; EN 60332-1-2:2004/A1:2015; EN 60332-1-2:2004/A11:2016; EN 60332-1-2:2004/A12:2020

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A1:2015

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A11:2016

Konsolideerib dokumenti: EVS-EN 60332-1-2:2004/A12:2020

EVS-EN IEC 60112:2020

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

IEC 60112:2020 specifies the method of test for the determination of the proof and comparative tracking indices of solid insulating materials on pieces taken from parts of equipment and on plaques of material using alternating voltage. This document provides a procedure for the determination of erosion when required. This test method evaluates the composition of the material as well as the surface of the material being evaluated. Both the composition and surface condition directly influence the results of the evaluation and are considered when using the results in material selection process. Test results are not directly suitable for the evaluation of safe creepage distances when designing electrical apparatus. This basic safety publication focusing on a safety test method is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. This edition includes the following significant technical changes with respect to the previous edition: Introduction of a new contaminant, solution C with a surfactant aligned with the test method of IEC 60587. The definition of the solution B was transferred to Annex B for backward reference. Introduction of a screening test, considering the fact that some materials can withstand high test voltages, but fail at lower test voltages. It has the status of a basic safety publication in accordance with IEC Guide 104.

Keel: en

Alusdokumendid: EN IEC 60112:2020; IEC 60112:2020

Asendab dokumenti: EVS-EN 60112:2003
Asendab dokumenti: EVS-EN 60112:2003/A1:2010

EVS-EN IEC 60664-1:2020/AC:2020

Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests

Corrigendum to EN IEC 60664-1:2020

Keel: en

Alusdokumendid: IEC 60664-1:2020/COR1:2020; EN IEC 60664-1:2020/AC:2020-12

Parandab dokumenti: EVS-EN IEC 60664-1:2020

EVS-EN IEC 61803:2020

Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters

IEC 61803:2020 applies to all line-commutated high-voltage direct current (HVDC) converter stations used for power exchange (power transmission or back-to-back installation) in utility systems. This document presumes the use of 12-pulse thyristor converters but can, with due care, also be used for 6-pulse thyristor converters. In some applications, synchronous compensators or static var compensators (SVC) may be connected to the AC bus of the HVDC converter station. The loss determination procedures for such equipment are not included in this document. This document presents a set of standard procedures for determining the total losses of an HVDC converter station. The procedures cover all parts, except as noted above, and address no-load operation and operating losses together with their methods of calculation which use, wherever possible, measured parameters. Converter station designs employing novel components or circuit configurations compared to the typical design assumed in this document, or designs equipped with unusual auxiliary circuits that could affect the losses, are assessed on their own merits. This edition includes the following significant technical changes with respect to the previous edition: - to facilitate the application of this document and to ensure its quality remains consistent, 5.1.8 and 5.8 have been reviewed, taking into consideration that the present thyristor production technology provides considerably less thyristor parameters dispersion comparing with the situation in 1999 when the first edition of IEC 61803 was developed, and therefore the production records of thyristors can be used for the power losses calculation; - the calculation of the total station load losses (cases D1 and D2 in Annex C) has been corrected.

Keel: en

Alusdokumendid: EN IEC 61803:2020; IEC 61803:2020

Asendab dokumenti: EVS-EN 61803:2011

Asendab dokumenti: EVS-EN 61803:2011/A1:2011

Asendab dokumenti: EVS-EN 61803:2011/A2:2016

33 SIDETEHNIKA

EVS-EN 303 135 V2.2.1:2020

Rannikuseire, laevaliiklusteeninduse ja sadamate radarid (CS/VTS/HR); Raadiospektrile juurdepääsu harmoneeritud standard Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR); Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for X-band radar sensors intended for Coastal Surveillance (CS), Vessel Traffic Services (VTS) and harbour surveillance with the following characteristics: • Operating in the following frequency range: - 8 500 MHz to 10 000 MHz utilizing modulated or unmodulated pulses. • Transmitter Peak Envelope Power up to 100 kW. • The transmitter output (from power amplifier) towards the antenna uses a hollow metallic rectangular waveguide of type WR90/WG16/R100 according to IEC 60153-2 with a minimum length of 92 cm (20 times the wavelength of the waveguide cut-off frequency). • The antenna is rotating, waveguide-based and passive. • At the transceiver output an RF-circulator is used. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en

Alusdokumendid: ETSI EN 303 135 V2.2.1

EVS-EN IEC 62351-6:2020

Power systems management and associated information exchange - Data and communications security - Part 6: Security for IEC 61850

IEC 62351-6:2020 specifies messages, procedures, and algorithms for securing the operation of all protocols based on or derived from the IEC 61850 series. This document applies to at least those protocols listed below: IEC 61850-8-1 Communication networks and systems for power utility automation – Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (ISO/IEC 9506-1 and ISO/IEC 9506-2) and to ISO/IEC 8802-3 IEC 61850-8-2 Communication networks and systems for power utility automation – Part 8-2: Specific communication service mapping (SCSM) – Mapping to Extensible Messaging Presence Protocol (XMPP) IEC 61850-9-2 Communication networks and systems for power utility automation – Part 9-2: Specific communication service mapping (SCSM) – Sampled values over ISO/IEC 8802-3 IEC 61850-6 Communication networks and systems for power utility automation – Part 6: Configuration description language for communication in power utility automation systems related to IEDs The initial audience for this document is intended to be the members of the working groups developing or making use of the protocols listed in Table 1. For the measures described in this specification to take effect, they must be accepted and referenced by the specifications for the protocols themselves. This document is written to

enable that process. The subsequent audience for this document is intended to be the developers of products that implement these protocols. Portions of this document may also be of use to managers and executives in order to understand the purpose and requirements of the work.

Keel: en

Alusdokumendid: EN IEC 62351-6:2020; IEC 62351-6:2020

35 INFOTEHNOLOOGIA

EVS-EN 17230:2020

Information technology - RFID in rail

The RFID tag location, tag data content and functional requirements have been developed for application on the main line railway networks. Other networks (such as metro) could apply to this document but are outside of its scope. This document contains: - description of the RFID tag installation location; - description of the RFID tag data content; - description of the functional requirements in relation to the RFID tag track side reading performance.

Keel: en

Alusdokumendid: EN 17230:2020

EVS-EN 17419-1:2020

Digital Information Interchange in the Insurance Industry - Transfer of electronic documents - Part 1: Process and Data Model

This document defines the process and the structure of the transfer of electronic documents, and facilitates the transfer of electronic documents between stakeholders in the insurance industry.

Keel: en

Alusdokumendid: EN 17419-1:2020

EVS-EN ISO/IEC 27006:2020

Information technology - Security techniques - Requirements for bodies providing audit and certification of information security management systems (ISO/IEC 27006:2015, including Amd 1:2020)

ISO/IEC 27006:2015 specifies requirements and provides guidance for bodies providing audit and certification of an information security management system (ISMS), in addition to the requirements contained within ISO/IEC 17021-1 and ISO/IEC 27001. It is primarily intended to support the accreditation of certification bodies providing ISMS certification. The requirements contained in this International Standard need to be demonstrated in terms of competence and reliability by any body providing ISMS certification, and the guidance contained in this International Standard provides additional interpretation of these requirements for any body providing ISMS certification. NOTE This International Standard can be used as a criteria document for accreditation, peer assessment or other audit processes.

Keel: en

Alusdokumendid: ISO/IEC 27006:2015; EN ISO/IEC 27006:2020; ISO/IEC 27006:2015/Amd 1:2020

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2133:2020

Aerospace series - Cadmium plating of steels with specified tensile strength $\leq 1\,450$ MPa, copper, copper alloys and nickel alloys

This document specifies the electrolytic cadmium plating of parts and fasteners in steel of tensile strength UTS $\leq 1\,450$ MPa, copper, copper alloys and nickel alloys, whose temperature in service does not exceed 235 °C.

Keel: en

Alusdokumendid: EN 2133:2020

Asendab dokumenti: EVS-EN 2133:2010

53 TÖSTE- JA TEISALDUS-SEADMED

EVS-EN 15512:2020

Steel static storage systems - Adjustable pallet racking systems - Principles for structural design

This European Standard specifies the structural design requirements applicable to all types of adjustable beam pallet rack systems fabricated from steel members intended for the storage of unit loads and subject to predominantly static loads. Both unbraced and braced systems are included. This European Standard gives guidelines for the design of clad rack buildings where requirements are not covered in EN 1993. The requirements of this European Standard also apply to ancillary structures, where rack components are employed as the main structural members. This European Standard does not cover other generic types of storage structures. Specifically, this European Standard does not apply to mobile storage systems, drive-in, drive-through and cantilever racks or static steel shelving systems, nor does this European Standard establish specific design rules for the assessment of racking in seismic areas.

Keel: en

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 14105:2020

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of free and total glycerol and mono-, di-, triglyceride contents

This document specifies a method to determine the free glycerol and residual mono-, di- and triglyceride contents in fatty acid methyl esters (FAME). The total glycerol content is then calculated from the obtained results. Under the conditions described, the quantification limits are 0,001 % (m/m) for free glycerol, 0,10 % (m/m) for all glycerides (mono-, di- and tri-). This method is suitable for FAME prepared from rapeseed, sunflower, soybean, palm, animal oils and fats and mixture of them. It is not suitable for FAME produced from or containing coconut and palm kernel oils derivatives because of overlapping of different glyceride peaks. NOTE 1 For the purposes of this document, the term "% (m/m)" is used to represent the mass fraction. NOTE 2 Under the common EN 14105 GC conditions squalene can coelute with alpha glycerol monostearate. If the presence of squalene is suspected, EN 17057 can be used to discriminate between squalene and glycerol monostearate. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this document to take appropriate measures to ensure the safety and health of personnel prior to application of the standard, and fulfil statutory and regulatory requirements for this purpose.

Keel: en
Alusdokumendid: EN 14105:2020
Asendab dokumenti: EVS-EN 14105:2011

EVS-EN 14112:2020

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test)

This document specifies a method for the determination of the oxidation stability of fatty acid methyl esters (FAME) at 110 °C, by means of measuring the induction period up to 48 h. For induction periods higher than 8,5 h the precision is not covered by the precision statement of this method. NOTE 1 EN 15751 [1] describes a similar test method for oxidation stability determination of pure fatty acid methyl esters and of blends of FAME with petroleum-based diesel containing 2 % (V/V) of FAME at minimum. NOTE 2 Limited studies on EN 15751 with EHN (2-ethyl hexyl nitrate) on FAME blends indicated that the stability is reduced to an extent which is within the reproducibility of the test method. It is likely that the oxidation stability of pure FAMES is also reduced in the presence of EHN when EN 14112 is used for testing. NOTE 3 For the purposes of this document, the term "% (V/V)" is used to represent the volume fraction.

Keel: en
Alusdokumendid: EN 14112:2020
Asendab dokumenti: EVS-EN 14112:2016

EVS-EN 1673:2020

Toidutöötlemismasinad. Pöörleva riuliga ahjud. Ohutus- ja hügieeninõuded Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

This document specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens which can be used with one or more mobile racks. These ovens are intended for professional use in the food industry and workshops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other ingredients and/or additives. This document applies to ovens used only for food products except for those containing volatile flammable ingredients (volatile organic compound, e.g. alcohol, oil, ...). This document applies to ovens where the steam is generated by an evaporation process of drinking water on hot surfaces. The following machines are excluded: - experimental and testing machines under development by the manufacturer; - machines for non-professional uses. NOTE Due to the fact that rotary rack ovens are intended for professional uses, EN 60335-1 and EN 60335-2-42 are not applicable. This document covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see EN ISO 12100:2010, Clause 6). This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see informative Annex C). The following hazards are not covered by this document: - hazards from the use of gaseous fuel by gas appliances; - hazards arising from electromagnetic compatibility issues; - hazards from the use of trays made of or coated by silicone; - hazards due to dismantling, disabling and scrapping. This document does not deal with noise emitted by the machine. This document is not applicable to rotary rack ovens which were manufactured before the date of its publication as an EN.

Keel: en
Alusdokumendid: EN 1673:2020
Asendab dokumenti: EVS-EN 1673:2000+A1:2010

EVS-EN 1974:2020

Toidutöötlemismasinad. Viilutamismasinad. Ohutus- ja hügieeninõuded Food processing machinery - Slicing machines - Safety and hygiene requirements

This document specifies the safety and hygiene requirements for the design and manufacture, installation, training, use, cleaning and maintenance of slicing machines which are fitted with a motor-driven blade of more than 150 mm in diameter, provided with a product support. These types of slicing machines are intended to be used in shops, restaurants, supermarkets, canteens, etc. to slice foodstuffs. This document deals with all significant hazards, hazardous situations and events relevant to

slicing machines, when they are used as intended by the manufacturer (see Clause 4). This document applies to the hazards arising during all the phases of the life of the machine as described in EN ISO 12100:2010, 5.4. Automatic industrial slicing machines covered by EN 16743:2016 are excluded from the scope of this document. This document covers the following types of slicing machines: - horizontal feed slicing machine (see Figure 1); - gravity feed slicing machine (see Figure 2). Both types can have an either hand-operated or power-operated carriage to move the product towards the blade. They both can be fitted with manual or automatic devices to receive and convey the slices away from the machine. All these types can also be provided with a scale. This document applies to machines which are manufactured after the date of issue of this document.

Keel: en

Alusdokumendid: EN 1974:2020

Asendab dokumenti: EVS-EN 1974:1999+A1:2009

71 KEEMILINE TEHNOLOOGIA

CEN/TR 17557:2020

Surface active agents - Bio-based surfactants - Overview on bio-based surfactants

The aim of this document is to summarize the actual situation regarding many aspects regarding bio-based surfactants and their relation to any other surfactant regardless of its origin. It will describe existing raw material sources with regard to their current usage in surface active agents, their source identification and conformation, and the options for communication same. It also includes the current work on surfactants regarding their performances, their sustainability, the LCA approaches and end of life options.

Keel: en

Alusdokumendid: CEN/TR 17557:2020

75 NAFTA JA NAFTATEHNOLOOGIA

CEN/TR 17548:2020

Automotive fuels - Diesel fuel market issues - Abrasive particles investigation report

This document describes the investigation into diesel vehicle common rail fuel injection system damage and excessive wear problems in a number of countries across Europe since 2014 carried out by CEN/TC 19/WG 24 Abrasive Particles Task Force.

Keel: en

Alusdokumendid: CEN/TR 17548:2020

EVS-EN ISO 15156-1:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2020)

This document describes general principles and gives requirements and recommendations for the selection and qualification of metallic materials for service in equipment used in oil and gas production and in natural-gas sweetening plants in H₂S-containing environments, where the failure of such equipment can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements given in the appropriate design codes, standards, or regulations. This document addresses all mechanisms of cracking that can be caused by H₂S, including sulfide stress cracking, stress corrosion cracking, hydrogen-induced cracking and stepwise cracking, stress-oriented hydrogen-induced cracking, soft zone cracking, and galvanically induced hydrogen stress cracking. Table 1 provides a non-exhaustive list of equipment to which this document is applicable, including exclusions. This document applies to the qualification and selection of materials for equipment designed and constructed using load controlled design methods. For design utilizing strain-based design methods, see Clause 5. This document is not necessarily applicable to equipment used in refining or downstream processes and equipment.

Keel: en

Alusdokumendid: ISO 15156-1:2020; EN ISO 15156-1:2020

Asendab dokumenti: EVS-EN ISO 15156-1:2015

EVS-EN ISO 15156-2:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons (ISO 15156-2:2020)

This document gives requirements and recommendations for the selection and qualification of carbon and low-alloy steels for service in equipment used in oil and natural gas production and natural gas treatment plants in H₂S-containing environments, whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help to avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards or regulations. This document addresses the resistance of these steels to damage that can be caused by sulfide stress cracking (SSC) and the related phenomena of stress-oriented hydrogen-induced cracking (SOHIC) and soft-zone cracking (SZC). This document also addresses the resistance of these steels to hydrogen-induced cracking (HIC) and its possible development into stepwise cracking (SWC). This document is concerned only with cracking. Loss of material by general (mass loss) or localized corrosion is not addressed. Table 1 provides a non-exhaustive list of equipment to which this document is applicable, including exclusions. This document applies to the qualification and selection of materials for equipment designed and constructed using load controlled design methods. For design utilizing strain-based design methods, see ISO 15156-1:2020, Clause 5. Annex A lists SSC-resistant carbon and low alloy steels, and A.2.4 includes

requirements for the use of cast irons. This document is not necessarily suitable for application to equipment used in refining or downstream processes and equipment.

Keel: en

Alusdokumendid: ISO 15156-2:2020; EN ISO 15156-2:2020

Asendab dokumenti: EVS-EN ISO 15156-2:2015

EVS-EN ISO 15156-3:2020

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2020)

This document gives requirements and recommendations for the selection and qualification of CRAs (corrosion-resistant alloys) and other alloys for service in equipment used in oil and natural gas production and natural gas treatment plants in H₂S-containing environments whose failure can pose a risk to the health and safety of the public and personnel or to the environment. It can be applied to help avoid costly corrosion damage to the equipment itself. It supplements, but does not replace, the materials requirements of the appropriate design codes, standards, or regulations. This document addresses the resistance of these materials to damage that can be caused by sulfide stress cracking (SSC), stress corrosion cracking (SCC), and galvanically induced hydrogen stress cracking (GHSC). This document is concerned only with cracking. Loss of material by general (mass loss) or localized corrosion is not addressed. Table 1 provides a non-exhaustive list of equipment to which this document is applicable, including exclusions. This document applies to the qualification and selection of materials for equipment designed and constructed using load controlled design methods. For design utilizing strain-based design methods, see ISO 15156-2:2020, Clause 5. This document is not necessarily suitable for application to equipment used in refining or downstream processes and equipment.

Keel: en

Alusdokumendid: ISO 15156-3:2020; EN ISO 15156-3:2020

Asendab dokumenti: EVS-EN ISO 15156-3:2015

EVS-EN ISO 19902:2020

Petroleum and natural gas industries - Fixed steel offshore structures (ISO 19902:2020)

This document specifies requirements and provides recommendations applicable to the following types of fixed steel offshore structures for the petroleum and natural gas industries: - caissons, free-standing and braced; - jackets; - monotowers; - towers. In addition, it is applicable to compliant bottom founded structures, steel gravity structures, jack-ups, other bottom founded structures and other structures related to offshore structures (such as underwater oil storage tanks, bridges and connecting structures). This document contains requirements for planning and engineering of the design, fabrication, transportation and installation of new structures as well as, if relevant, their future removal. NOTE 1 Specific requirements for the design of fixed steel offshore structures in arctic environments are presented in ISO 19906. NOTE 2 Requirements for topsides structures are presented in ISO 19901-3; for marine operations in, ISO 19901-6; for structural integrity management, in ISO 19901-9 and for the site-specific assessment of jack-ups, in ISO 19905-1.

Keel: en

Alusdokumendid: ISO 19902:2020; EN ISO 19902:2020

Asendab dokumenti: EVS-EN ISO 19902:2008

Asendab dokumenti: EVS-EN ISO 19902:2008/A1:2013

83 KUMMI- JA PLASTITÖÖSTUS

CEN/TS 16010:2020

Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates

This document specifies a system for sampling procedures for testing plastics waste and recyclates which take into account the specifics of the plastics waste and recyclates. It is intended to cover all stages of the plastic recycling process. The sampling procedures include the statistical specifics of the plastic waste and the behaviour of recyclates. The sampling method is expected to produce a representative testing sample. Differences can arise due to: - the mixture of plastics; - the origin (e.g. green dot in Germany, or electronic/automotive industry); - the previous use of the plastic material; - the residual contents (e.g. of containers); - inert, residual or moisture content on or in the material. This document is without prejudice to any existing legislation.

Keel: en

Alusdokumendid: CEN/TS 16010:2020

Asendab dokumenti: CEN/TS 16010:2013

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 21545:2020

Paints and varnishes - Determination of settling (ISO 21545:2018)

This document specifies a method for determining the settling of coating materials. It is used to determine short-time settling, e.g. during transport or in an electro-deposition bath.

Keel: en

Alusdokumendid: ISO 21545:2018; EN ISO 21545:2020

EVS-EN ISO 22553-1:2020

Paints and varnishes - Electro-deposition coatings - Part 1: Vocabulary (ISO 22553-1:2019)

This document defines terms for electro-deposition coatings. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-1:2019; EN ISO 22553-1:2020

EVS-EN ISO 22553-2:2020

Paints and varnishes - Electro-deposition coatings - Part 2: Throwing power (ISO 22553-2:2019)

This document specifies two methods for the determination of the throwing power of electro-deposition coating materials. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-2:2019; EN ISO 22553-2:2020

EVS-EN ISO 22553-3:2020

Paints and varnishes - Electro-deposition coatings - Part 3: Compatibility of electro-deposition coating materials with a reference oil (ISO 22553-3:2019)

The document specifies a method for the determination of the compatibility of electro-deposition coating materials with a reference oil. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-3:2019; EN ISO 22553-3:2020

EVS-EN ISO 22553-4:2020

Paints and varnishes - Electro-deposition coatings - Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials (ISO 22553-4:2019)

This document specifies three different methods of electro-deposition coating material contamination with liquid, paste-like and solid foreign materials. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-4:2019; EN ISO 22553-4:2020

EVS-EN ISO 22553-5:2020

Paints and varnishes - Electro-deposition coatings - Part 5: Determination of sieve residue (ISO 22553-5:2019)

This document specifies a method for the determination of soiling material, e.g. from previous processes, non-dispersed paint particles and other foreign material in the electro-deposition coating material. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture. In practice, increased sieve residue can have different causes, such as metal particles, which are introduced together with the object to be coated, or clots.

Keel: en

Alusdokumendid: ISO 22553-5:2019; EN ISO 22553-5:2020

EVS-EN ISO 22553-6:2020

Paints and varnishes - Electro-deposition coatings - Part 6: Entry marks (ISO 22553-6:2019)

This document specifies a method for identifying entry marks, which can occur during electro-deposition coating. Entry marks can often occur in the form of streaks when the workpiece, either set as cathode or anode, is immersed in the electro-deposition tank under applied electric potential (relation of voltage and current). These marks occur parallel to the bath surface on the objects to be coated. It is applicable to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en

Alusdokumendid: ISO 22553-6:2019; EN ISO 22553-6:2020

EVS-EN ISO 22970:2020

Paints and varnishes - Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cataplasma storage (ISO 22970:2019)

This document specifies three methods for testing the peel adhesion, peel strength and tensile lap-shear strength in order to evaluate the adhesive bond as well as the type, location and structure of failures of elastic adhesives on coatings. These methods are used, for example, for testing the assembly with respect to the bond of panes or built-on parts, such as plastic covers, spoilers, instrument panel covers, headlights, with coatings for automobile construction. The two methods of climatic exposure of specimens described herein are the condensation test and cataplasma storage. This document does not specify

requirements for adhesives and coatings. NOTE The peel strength test (method B) for rigid car body construction adhesives is described in ISO 8510-2. The tensile lap-shear strength test (method C) for rigid car body construction adhesives is described in EN 1465. Testing of rigid car body construction adhesives is generally conducted on small joint thicknesses, i.e. <1 mm.

Keel: en

Alusdokumendid: ISO 22970:2019; EN ISO 22970:2020

EVS-EN ISO 23168:2020

Paints and varnishes - Determination of water content - Gas-chromatographic method (ISO 23168:2019)

This document specifies a method for the determination of the water content of water-borne coating materials and their raw materials by using a gas chromatograph. The preferred working range of this test method is from a water mass fraction of 15 % to a water mass fraction of 90 % but the method can be applied outside of this range.

Keel: en

Alusdokumendid: ISO 23168:2019; EN ISO 23168:2020

91 EHITUSMATERJALID JA EHITUS

CLC/TS 50703-2:2020

Lightning Protection System Components (LPSC) - Part 2: Specific testing requirements for LPS components used in explosive atmospheres

This document defines the requirements and tests relevant to Lightning Protection System Components suitable for explosive atmospheres (Ex-LPSC). NOTE This document does not consider EX-LPS Components certified according to EN 60079 series. If a product has already been tested according to ATEX, it does not have to be tested again according to CLC/TS 50703-2.

Keel: en

Alusdokumendid: CLC/TS 50703-2:2020

EVS-EN 1329-1:2020

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

This document specifies the requirements for solid wall pipes with smooth internal and external surfaces, extruded from the same formulation throughout the wall, fittings and the system of unplasticized poly(vinyl chloride) (PVC-U) piping systems intended for soil and waste discharge applications (low and high temperature): - inside buildings (application area code "B"); - for both inside buildings and buried in ground within the building structure (application area code "BD"). NOTE 1 The intended use is reflected in the marking of products by "B" or "BD". NOTE 2 Application "B" covers uses above ground inside the building, or outside buildings fixed onto the wall. NOTE 3 Multilayer pipes with different formulations throughout the wall and foamed core pipes are covered by EN 1453-1 [1]. NOTE 4 For use buried in ground within the building structure are intended only those components (marked with "BD") with nominal outside diameters equal to or greater than 75 mm. NOTE 5 EN 476 [2] specifies the general requirements for components used in discharge pipes, drains and sewers for gravity systems. Pipes and fittings conforming to this standard fully meet these requirements. This document is also applicable to PVC-U pipes, fittings and the system intended for the following purposes: - ventilating part of the pipework in association with discharge applications; - rainwater pipework within the building structure. This document also specifies the test parameters for the test methods that are referred to. This document covers a range of nominal sizes, a range of pipes and fittings series and gives recommendations concerning colours. NOTE 6 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. NOTE 7 Pipes, fittings and other components conforming to any of the plastics product standards listed in Annex B can be used with pipes and fittings conforming to this document, provided they conform to the requirements for joint dimensions given in Clause 7 and to the requirements of Table 26.

Keel: en

Alusdokumendid: EN 1329-1:2020

Asendab dokumenti: EVS-EN 1329-1:2014+A1:2018

EVS-EN 15684:2020

Building hardware - Mechatronic cylinders - Requirements and test methods

This document specifies requirements for performance and testing of Mechatronic Cylinders and their keys and/or electronic keys. It applies to cylinders for such locks designed to be normally used in buildings. It also applies to cylinders for use with other hardware products such as exit devices, door operators, etc. or monitoring facilities and alarm systems. It establishes categories of use based on performance tests and grades of security based on design requirements and on performance tests that simulate attack. This document includes assessment of additional features when they are included in the cylinder design. This document does not cover any other element of a security system, other than those directly involved in the control of a cylinder. The suitability of cylinders for use on fire or smoke-door assemblies is determined by fire performance tests conducted in addition to the performance testing specified by this document (see Annex A).

Keel: en

Alusdokumendid: EN 15684:2020

Asendab dokumenti: EVS-EN 15684:2012

EVS-EN 16205:2020

Laboratory measurement of walking noise on floors

This document specifies a laboratory measurement method to determine noise radiated from a floor covering on a standard concrete floor when excited by a standard tapping machine.

Keel: en

Alusdokumendid: EN 16205:2020

Asendab dokumenti: EVS-EN 16205:2013+A1:2018

EVS-EN 1837:2020

Masinate ohutus. Masinate integreeritud valgustus Safety of machinery - Integral lighting of machines

This document specifies the parameters of integral lighting systems designed to provide illumination in and/or at both stationary and mobile machines to enable the safe use of the machine and the efficient performance of the visual task within and/or at the machine to be carried out by the operator. This document does not specify lighting systems mounted on the machine to specifically illuminate visual tasks outside the machine. The function and requirements of these systems are specified in the European standard dealing with the lighting of work places, see EN 12464-1 and EN 12464-2 for further information. This document does not specify additional requirements for the operation of lighting systems: - in severe conditions (extreme environmental conditions such as freezer applications, high temperatures, etc.); - subject to special rules (e.g. explosive atmospheres); - where the transmittance is reduced by environmental conditions, such as smoke, splashing, etc.

Keel: en

Alusdokumendid: EN 1837:2020

Asendab dokumenti: EVS-EN 1837:1999+A1:2009

EVS-EN ISO 11691:2020

Akustika. Kanalisummutite helisummutuse määramine ilma õhuliikumiseta. Laboriseiremeetod Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method (ISO 11691:2020)

This document specifies a laboratory substitution method to determine the insertion loss without flow of ducted, mainly absorbent, circular and rectangular silencers, as well as other duct elements for use in ventilating and air-conditioning systems. NOTE Laboratory measurement procedures for ducted silencers with superimposed flow are described in ISO 7235[5]. This document is applicable to silencers where the design velocity does not exceed 15 m/s. As the method does not include self-generated flow noise, this document is not suitable for tests on silencers where this type of noise is of great importance for the evaluation of the silencer performance. As most silencers, particularly in offices and dwelling, have design velocities below 15 m/s, this document can often be a cost-efficient alternative to ISO 7235[5]. The insertion loss determined according to this document in a laboratory is not necessarily the same as the insertion loss obtained in an installation in the field. Different sound and flow fields in the duct yield different results. In this document, the sound field is dominated by plane wave modes. Due to the use of regular test ducts, the results can include some flanking transmission via structural vibrations in the duct walls that sets an upper limit to the insertion loss that can be determined. This document is intended to be used for circular silencers with diameters of 80 mm to 2 000 mm or for rectangular silencers with cross-sectional areas within the same range.

Keel: en

Alusdokumendid: ISO 11691:2020; EN ISO 11691:2020

Asendab dokumenti: EVS-EN ISO 11691:2009

93 RAJATISED

EVS-EN 13848-6:2014+A1:2020

Railway applications - Track - Track geometry quality - Part 6: Characterisation of track geometry quality

This European Standard characterizes the quality of track geometry based on parameters defined in EN 13848 1 and specifies the different track geometry classes which should be considered. This European Standard covers the following topics: - description of track geometry quality; - classification of track quality according to track geometry parameters; - considerations on how this classification can be used; - this European Standard applies to high-speed and conventional lines of 1 435 mm and wider gauge; - this European Standard forms an integral part of EN 13848 series

Keel: en

Alusdokumendid: EN 13848-6:2014+A1:2020

Asendab dokumenti: EVS-EN 13848-6:2014

EVS-EN 17397-1:2020

Railway applications - Rail defects - Part 1: Rail defect management

This document specifies the defect management system the infrastructure manager uses to control the risk of severe accidents due to degradation of internal or surface defects on rails complying with EN 13674-1, EN 13674-2, EN 13674-4 and EN 15689:2009 (excluding grooved rails EN 14811 - which need alternative systems).

Keel: en

Alusdokumendid: EN 17397-1:2020

CEN/TS 17135:2020**Conservation of cultural heritage - General terms for describing the alterations of objects**

This document defines terms used in the field of conservation of cultural heritage for the description of alteration of objects with particular attention to those terms which are applied to many types of objects. This document applies to all types of material changes that can be observed.

Keel: en

Alusdokumendid: CEN/TS 17135:2020

EVS-EN 1673:2020**Toidutöötlemismasinaid. Pöörleva riuliga ahjud. Ohutus- ja hügieeninõuded
Food processing machinery - Rotary rack ovens - Safety and hygiene requirements**

This document specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens which can be used with one or more mobile racks. These ovens are intended for professional use in the food industry and workshops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other ingredients and/or additives. This document applies to ovens used only for food products except for those containing volatile flammable ingredients (volatile organic compound, e.g. alcohol, oil, ...). This document applies to ovens where the steam is generated by an evaporation process of drinking water on hot surfaces. The following machines are excluded: - experimental and testing machines under development by the manufacturer; - machines for non-professional uses. NOTE Due to the fact that rotary rack ovens are intended for professional uses, EN 60335-1 and EN 60335-2-42 are not applicable. This document covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see EN ISO 12100:2010, Clause 6). This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see informative Annex C). The following hazards are not covered by this document: - hazards from the use of gaseous fuel by gas appliances; - hazards arising from electromagnetic compatibility issues; - hazards from the use of trays made of or coated by silicone; - hazards due to dismantling, disabling and scrapping. This document does not deal with noise emitted by the machine. This document is not applicable to rotary rack ovens which were manufactured before the date of its publication as an EN.

Keel: en

Alusdokumendid: EN 1673:2020

Asendab dokumenti: EVS-EN 1673:2000+A1:2010

EVS-EN 60456:2016/A11:2020**Kodumajapidamises kasutatavad pesupesemismasinaid. Toimivuse mõõtemetodid
Clothes washing machines for household use - Methods for measuring the performance**

Standardi EN 60456:2016 muudatus

Keel: en

Alusdokumendid: EN 60456:2016/A11:2020

Muudab dokumenti: EVS-EN 60456:2016

EVS-EN 71-2:2020**Mänguasjade ohutus. Osa 2: Süttivus
Safety of toys - Part 2: Flammability**

See Euroopa standard määrab kindlaks põlevmaterjalide kategooriad, mis on keelatud kõigis mänguasjades, ja nõuded, mis puudutavad teatud mänguasjade süttivust, kui nad on allutatud väikese süüteallika toimele. Peatükis 5 kirjeldatud katsemeetodeid kasutatakse mänguasjade süttivuse määramiseks kindlaksmääratud täpsetes katsetingimustes. Niiviisi saadud katsetulemusi ei saa käsitleda kui andmeid, mis annaksid üldise ülevaate mänguasjade või materjalide potentsiaalselt tulohtlikkusest, siis kui neile rakendatakse teistsuguseid süttimisallikaid. See dokument sisaldab kõigi mänguasjade kohta kehtivaid üldnõudeid ning spetsiifilisi nõudeid ja katsemeetodeid järgmiste mänguasjade kohta, mida peetakse suurimat ohtu kujutavateks: — peas kantavad mänguasjad: habemed, vuntsid, parukad jne, mida valmistatakse karvadest või lendlevatest elementidest; maskid; kapuutsid; peahised jne. Siiski on välja jäetud paberist ja papist mütsid ilma kaunistuste või manusteta; — mängu maskeerimiskostüümid ning mänguasjad, mis on mõeldud lapsele mängu ajal seljaskandmiseks; — mänguasjad, mis on mõeldud lapsele sisenemiseks ja on valmistatud tekstiilidest ja/või polümeerist lehtedest ja kiledest; — pehme täidisega mänguasjad. MÄRKUS Lisanõuded elektriliste mänguasjade süttivusele on kindlaks määratud standardis EN 62115 [2].

Keel: en, et

Alusdokumendid: EN 71-2:2020

Asendab dokumenti: EVS-EN 71-2:2011+A1:2014

EVS-EN IEC 60704-2-17:2020**Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-17: Particular requirements for dry-cleaning robots**

IEC 60704-2-17:2020 describes the determination of the noise emission of dry-cleaning robots under normal operating conditions on carpet and hard floors. This document applies to electrical dry-cleaning robots (including their accessories and their component parts) for household use or under conditions similar to those in households. This document applies to electrical dry-cleaning robots operating in dry conditions only. Some additions and modifications for dry-cleaning robots operating in wet conditions are under consideration. This document does not apply to dry-cleaning robots for industrial or professional purposes.

This document does not apply to – manually operated vacuum cleaners, and – dry-cleaning robots for outdoor use. This Part 2-17 is intended to be used in conjunction with IEC 60704-1:2010. The relevant text of IEC 60704-1:2010 as amended by this publication establishes the test code for dry-cleaning robots.

Keel: en

Alusdokumendid: EN IEC 60704-2-17:2020; IEC 60704-2-17:2020

EVS-EN IEC 62512:2020

Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemetodid

Electric clothes washer-dryers for household use - Methods for measuring the performance

IEC 62512:2012 provides a globally applicable and agreed method to test the washing and drying function of washer-dryers. Although this standard is based on IEC 61121:2012 on tumble dryers and IEC 60456:2010 on clothes washers, it specifies the conditions needed to test the combined function of washing and drying. The main elements of this standard are: - the definition of the loads to be tested in continuous and interrupted operation cycles; - the method for testing automatic and not automatic operation of the drying cycles; - the way to handle the load for interrupted operation cycles; - the correction to be applied to test results for continuous and interrupted operation cycles.

Keel: en

Alusdokumendid: IEC 62512:2012; EN IEC 62512:2020

Asendab dokumenti: EVS-EN 50229:2015

Asendab dokumenti: EVS-EN 50229:2015/AC:2016

EVS-EN IEC 62512:2020/A11:2020

Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemetodid

Electric clothes washer-dryers for household use - Methods for measuring the performance

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Keel: en

Alusdokumendid: EN IEC 62512:2020/A11:2020

Muudab dokumenti: EVS-EN IEC 62512:2020

EVS-EN ISO 22043:2020

Ice-cream freezers - Classification, requirements and test conditions (ISO 22043:2020)

The scope of this European Standard is to define the classification for horizontal closed ice-cream freezers and to specify their requirements and test methods. These appliances are different to supermarket segment freezers, as they work with static air cooling, with a skin evaporator (no evaporator fan) and are used specifically for the storage and display of pre-packed ice-cream. This standard is only applicable to integral type refrigeration systems. This standard is not applicable to remote and secondary system type cabinets. Ice-cream freezers within this standard should have a net volume ≤ 600 l and only for transparent lid ice cream freezers they should have a Net Volume/TDA $\geq 0,35$ m.

Keel: en

Alusdokumendid: ISO 22043:2020; EN ISO 22043:2020

Asendab dokumenti: EVS-EN 16901:2016

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 16018:2011

Non-destructive testing - Terminology - Terms used in ultrasonic testing with phased arrays

Keel: en

Alusdokumendid: EN 16018:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 23243:2020

Standardi staatus: Kehtetu

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

EVS-ISO 2859-4:2004

Tunnusepõhise inspektsiooni proovide võtmise kord. Osa 4: Määratud kvaliteeditasemetehindamise kord

Sampling procedures for inspection by attributes - Part 4: Procedures for assessment of declared quality levels

Keel: en

Alusdokumendid: ISO 2859-4:2002

Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 15004-1:2009

Oftalmilised instrumendid. Põhinõuded ja katsemeetodid. Osa 1: Üldnõuded kõigile oftalmilistele instrumentidele

Ophthalmic instruments - Fundamental requirements and test methods - Part 1: General requirements applicable to all ophthalmic instruments

Keel: en

Alusdokumendid: ISO 15004-1:2006; EN ISO 15004-1:2009

Asendatud järgmise dokumendiga: EVS-EN ISO 15004-1:2020

Standardi staatus: Kehtetu

EVS-EN ISO 17510-1:2009

Uneapnoe hingamisteraapia. Osa 1: Uneapnoe hingamisteraapia seadmed

Sleep apnoea breathing therapy - Part 1: Sleep apnoea breathing therapy equipment

Keel: en

Alusdokumendid: ISO 17510-1:2007; EN ISO 17510-1:2009

Asendatud järgmise dokumendiga: EVS-EN ISO 80601-2-70:2020

Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 16010:2013

Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recyclates

Keel: en

Alusdokumendid: CEN/TS 16010:2013

Asendatud järgmise dokumendiga: CEN/TS 16010:2020

Standardi staatus: Kehtetu

EVS-EN 1837:1999+A1:2009

Masinate ohutus. Masinate tervikvalgustus KONSOLIDEERITUD TEKST

Safety of machinery - Integral lighting of machines CONSOLIDATED TEXT

Keel: en

Alusdokumendid: EN 1837:1999+A1:2009

Asendatud järgmise dokumendiga: EVS-EN 1837:2020

Standardi staatus: Kehtetu

EVS-EN 352-5:2003

Kuulmiskaitsevahendid. Ohutusnõuded ja katsetamine. Osa 5: Aktiivsed müravähendavad kõrvakaitsed

Hearing protectors - Safety requirements and testing - Part 5: Active noise reduction ear-muffs

Keel: en

Alusdokumendid: EN 352-5:2002

Asendatud järgmise dokumendiga: EVS-EN 352-5:2020

Muudetud järgmise dokumendiga: EVS-EN 352-5:2003/A1:2006

Standardi staatus: Kehtetu

EVS-EN 352-5:2003/A1:2006

Kuulmiskaitsevahendid. Ohutusnõuded ja katsetamine. Osa 5: Aktiivsed müravähendavad kõrvakaitsed

Hearing protectors - Safety requirements and testing - Part 5: Active noise reduction ear-muffs

Keel: en

Alusdokumendid: EN 352-5:2002/A1:2005

Asendatud järgmise dokumendiga: EVS-EN 352-5:2020

Standardi staatus: Kehtetu

EVS-EN 352-6:2003

Kuulmiskaitsevahendid. Ohutusnõuded ja katsetamine. Osa 6: Audiosidega kõrvakaitsed

Hearing protectors - Safety requirements and testing - Part 6: Ear-muffs with audio communications

Keel: en

Alusdokumendid: EN 352-6:2002

Asendatud järgmise dokumendiga: EVS-EN 352-6:2020

Standardi staatus: Kehtetu

EVS-EN 71-2:2011+A1:2014

Mänguasjade ohutus. Osa 2: Süttivus

Safety of toys - Part 2: Flammability

Keel: en, et

Alusdokumendid: EN 71-2:2011+A1:2014

Asendatud järgmise dokumendiga: EVS-EN 71-2:2020

Standardi staatus: Kehtetu

EVS-EN ISO 22065:2019

Workplace air - Gases and vapours - Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2019)

Keel: en

Alusdokumendid: ISO 22065:2019; EN ISO 22065:2019

Asendatud järgmise dokumendiga: EVS-EN ISO 22065:2020

Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 12668-2:2010

Non-destructive testing - Characterization and verification of ultrasonic examination equipment - Part 2: Probes

Keel: en

Alusdokumendid: EN 12668-2:2010

Asendatud järgmise dokumendiga: EVS-EN ISO 22232-2:2020

Standardi staatus: Kehtetu

EVS-EN 16018:2011

Non-destructive testing - Terminology - Terms used in ultrasonic testing with phased arrays

Keel: en

Alusdokumendid: EN 16018:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 23243:2020

Standardi staatus: Kehtetu

EVS-EN 60112:2003

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

Keel: en
Alusdokumendid: IEC 60112:2003; EN 60112:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60112:2020
Muudetud järgmise dokumendiga: EVS-EN 60112:2003/A1:2010
Standardi staatus: Kehtetu

EVS-EN 60112:2003/A1:2010

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

Keel: en
Alusdokumendid: IEC 60112:2003/A1:2009; EN 60112:2003/A1:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60112:2020
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 1329-1:2014+A1:2018

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the systems

Keel: en
Alusdokumendid: EN 1329-1:2014+A1:2018
Asendatud järgmise dokumendiga: EVS-EN 1329-1:2020
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60112:2003

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

Keel: en
Alusdokumendid: IEC 60112:2003; EN 60112:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60112:2020
Muudetud järgmise dokumendiga: EVS-EN 60112:2003/A1:2010
Standardi staatus: Kehtetu

EVS-EN 60112:2003/A1:2010

Method for the determination of the proof and the comparative tracking indices of solid insulating materials

Keel: en
Alusdokumendid: IEC 60112:2003/A1:2009; EN 60112:2003/A1:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60112:2020
Standardi staatus: Kehtetu

EVS-EN 61803:2011

Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters

Keel: en
Alusdokumendid: IEC 61803:1999; EN 61803:1999
Asendatud järgmise dokumendiga: EVS-EN IEC 61803:2020
Muudetud järgmise dokumendiga: EVS-EN 61803:2011/A1:2011
Muudetud järgmise dokumendiga: EVS-EN 61803:2011/A2:2016
Standardi staatus: Kehtetu

EVS-EN 61803:2011/A1:2011

Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters

Keel: en
Alusdokumendid: IEC 61803:1999/A1:2010; EN 61803:1999/A1:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 61803:2020
Standardi staatus: Kehtetu

EVS-EN 61803:2011/A2:2016

Determination of power losses in high-voltage direct current (HVDC) converter stations with line commutated converters

Keel: en

Alusdokumendid: IEC 61803:1999/A2:2016; EN 61803:1999/A2:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 61803:2020

Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 122003:2002

Blank detail specification for the preparation of customer detail specifications (CDS) and detail specifications for standard production items with capability approval

Keel: en

Alusdokumendid: EN 122003:1994

Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 122002:2002

Blank detail specification: radio frequency coaxial connectors

Keel: en

Alusdokumendid: EN 122002:1993

Standardi staatus: Kehtetu

EVS-EN 122110:2002

Sectional specification: radio frequency coaxial connectors; series SMA

Keel: en

Alusdokumendid: EN 122110:1993

Standardi staatus: Kehtetu

EVS-EN 122120:2003

Sectional Specification: Radio Frequency Coaxial Connectors. Series B

Keel: en

Alusdokumendid: EN 122120:1993

Standardi staatus: Kehtetu

EVS-EN 122130:2003

Sectional Specification: radio frequency Coaxial Connectors. Series SMB

Keel: en

Alusdokumendid: EN 122130:1993

Standardi staatus: Kehtetu

EVS-EN 122140:2002

Sectional specification: radio frequency coaxial connectors; series SMC

Keel: en

Alusdokumendid: EN 122140:1993

Standardi staatus: Kehtetu

EVS-EN 122150:2003

Sectional Specification: Radio Frequency Coaxial Connectors. Series EIA Flange

Keel: en

Alusdokumendid: EN 122150:1993

Standardi staatus: Kehtetu

EVS-EN 122160:2003

Sectional Specification: Radio Frequency Coaxial Connectors. Series SSMA

Keel: en

Alusdokumendid: EN 122160:1993

Standardi staatus: Kehtetu

EVS-EN 122170:2002

Sectional specification: radio frequency coaxial connectors; series SSMB

Keel: en

Alusdokumendid: EN 122170:1993

Standardi staatus: Kehtetu

EVS-EN 122180:2003

Sectional Specification: Radio Frequency Coaxial Connectors. Series SSMC

Keel: en

Alusdokumendid: EN 122180:1993

Standardi staatus: Kehtetu

EVS-EN 122190:2003

Sectional Specification: Radio Frequency Coaxial Connectors. Series 7-16

Keel: en

Alusdokumendid: EN 122190:1994

Standardi staatus: Kehtetu

EVS-EN 122200:2002

Sectional specification: radio frequency coaxial connectors; series TNC

Keel: en

Alusdokumendid: EN 122200:1994

Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CEN/TS 15430-2:2012

Winter and road service area maintenance equipment - Data acquisition and transmission - Part 2: Protocol for data transfer between information supplier and client application server

Keel: en

Alusdokumendid: CEN/TS 15430-2:2012

Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

CEN/TS 15430-2:2012

Winter and road service area maintenance equipment - Data acquisition and transmission - Part 2: Protocol for data transfer between information supplier and client application server

Keel: en

Alusdokumendid: CEN/TS 15430-2:2012

Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2133:2010

**Lennunduse ja kosmonautika seeria. Kindlaksmääratud tõmbetugevusega teraste ≤ 1450 MPa, vase, vasesulamite ja niklisulamite kaadmiumpinnakatted
Aerospace series - Cadmium plating of steels with specified tensile strength ≤ 1450 MPa, copper, copper alloys and nickel alloys**

Keel: en

Alusdokumendid: EN 2133:2010

Asendatud järgmise dokumendiga: EVS-EN 2133:2020

Standardi staatus: Kehtetu

53 TÖSTE- JA TEISALDUS-SEADMED

EVS-EN 15512:2009

Steel static storage systems - Adjustable pallet racking systems - Principles for structural design

Keel: en

Alusdokumendid: EN 15512:2009

Asendatud järgmise dokumendiga: EVS-EN 15512:2020

Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 12332-1:2001

Rubber- or plastic-coated fabrics - Determination of bursting strength - Part 1: Steel ball method

Keel: en

Alusdokumendid: EN 12332-1:1998

Asendatud järgmise dokumendiga: EVS-EN ISO 3303-1:2020

Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 14105:2011

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of free and total glycerol and mono-, di-, triglyceride contents

Keel: en

Alusdokumendid: EN 14105:2011

Asendatud järgmise dokumendiga: EVS-EN 14105:2020

Standardi staatus: Kehtetu

EVS-EN 14112:2016

Fat and oil derivatives - Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test)

Keel: en

Alusdokumendid: EN 14112:2016

Asendatud järgmise dokumendiga: EVS-EN 14112:2020

Standardi staatus: Kehtetu

EVS-EN 1673:2000+A1:2010

Toidutöötlemismasinad. Pöörleva trumluga ahjud. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST

Food processing machinery - Rotary rack ovens - Safety and hygiene requirements CONSOLIDATE TEXT

Keel: en

Alusdokumendid: EN 1673:2000+A1:2009

Asendatud järgmise dokumendiga: EVS-EN 1673:2020

Standardi staatus: Kehtetu

EVS-EN 1974:1999+A1:2009

Toidutöötlemismasinad. Viilutamismasinad. Ohutus- ja hügieeninõuded KONSOLIDEERITUD TEKST

Food processing machinery - Slicing machines - Safety and hygiene requirements CONSOLIDATED TEXT

Keel: en

Alusdokumendid: EN 1974:1998+A1:2009

Asendatud järgmise dokumendiga: EVS-EN 1974:2020

Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 15156-1:2015

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2015)

Keel: en

Alusdokumendid: ISO 15156-1:2015; EN ISO 15156-1:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 15156-1:2020

Standardi staatus: Kehtetu

EVS-EN ISO 15156-2:2015

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low alloy steels, and the use of cast irons (ISO 15156-2:2015)

Keel: en

Alusdokumendid: ISO 15156-2:2015; EN ISO 15156-2:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 15156-2:2020

Standardi staatus: Kehtetu

EVS-EN ISO 15156-3:2015

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2015)

Keel: en

Alusdokumendid: ISO 15156-3:2015; EN ISO 15156-3:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 15156-3:2020

Standardi staatus: Kehtetu

EVS-EN ISO 19902:2008

Petroleum and natural gas industries - Fixed steel offshore structures

Keel: en

Alusdokumendid: ISO 19902:2007; EN ISO 19902:2007

Asendatud järgmise dokumendiga: EVS-EN ISO 19902:2020

Muudetud järgmise dokumendiga: EVS-EN ISO 19902:2008/A1:2013

Standardi staatus: Kehtetu

EVS-EN ISO 19902:2008/A1:2013

Petroleum and natural gas industries - Fixed steel offshore structures (ISO 19902:2007/Amd 1:2013)

Keel: en

Alusdokumendid: ISO 19902:2007/Amd 1:2013; EN ISO 19902:2007/A1:2013

Asendatud järgmise dokumendiga: EVS-EN ISO 19902:2020

Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN ISO 15156-2:2015

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low alloy steels, and the use of cast irons (ISO 15156-2:2015)

Keel: en

Alusdokumendid: ISO 15156-2:2015; EN ISO 15156-2:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 15156-2:2020

Standardi staatus: Kehtetu

EVS-EN ISO 15156-3:2015

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2015)

Keel: en

Alusdokumendid: ISO 15156-3:2015; EN ISO 15156-3:2015

Asendatud järgmise dokumendiga: EVS-EN ISO 15156-3:2020

Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

CEN/TS 16010:2013

Plastics - Recycled plastics - Sampling procedures for testing plastics waste and recycles

Keel: en

Alusdokumendid: CEN/TS 16010:2013

Asendatud järgmise dokumendiga: CEN/TS 16010:2020

Standardi staatus: Kehtetu

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 8130-9:2000

Pulbrilised pinnakattematerjalid. Osa 9: Proovivõtt Coating powders - Part 9: Sampling

Keel: en

Alusdokumendid: ISO 8130-9:1992; EN ISO 8130-9:1999

Asendatud järgmise dokumendiga: EVS-EN ISO 15528:2020

Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 107:2003

Methods of testing windows; Mechanical test

Keel: en

Alusdokumendid: EN 107:1980

Standardi staatus: Kehtetu

EVS-EN 15684:2012

Building hardware - Mechatronic cylinders - Requirements and test methods

Keel: en

Alusdokumendid: EN 15684:2012

Asendatud järgmise dokumendiga: EVS-EN 15684:2020

Standardi staatus: Kehtetu

EVS-EN 16205:2013+A1:2018

Laboratory measurement of walking noise on floors

Keel: en

Alusdokumendid: EN 16205:2013+A1:2018

Asendatud järgmise dokumendiga: EVS-EN 16205:2020

Standardi staatus: Kehtetu

EVS-EN 1837:1999+A1:2009

Masinate ohutus. Masinate tervikvalgustus KONSOLIDEERITUD TEKST Safety of machinery - Integral lighting of machines CONSOLIDATED TEXT

Keel: en

Alusdokumendid: EN 1837:1999+A1:2009

Asendatud järgmise dokumendiga: EVS-EN 1837:2020

Standardi staatus: Kehtetu

EVS-EN ISO 11691:2009

Akustika. Torustikku paigaldatud summuti summutusvõime mõõtmine ilma läbivooluta. Laboriseiremeetod

Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method

Keel: en

Alusdokumendid: ISO 11691:1995; EN ISO 11691:2009

Asendatud järgmise dokumendiga: EVS-EN ISO 11691:2020

Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 13848-6:2014

Railway applications - Track - Track geometry quality - Part 6: Characterisation of track geometry quality

Keel: en

Alusdokumendid: EN 13848-6:2014

Asendatud järgmise dokumendiga: EVS-EN 13848-6:2014+A1:2020

Standardi staatus: Kehtetu

EVS-EN 1673:2000+A1:2010

Toidutöötlemismasinad. Pöörleva trumliga ahjud. Ohutus- ja hügieeninõuded

KONSOLIDEERITUD TEKST

Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

CONSOLIDATE TEXT

Keel: en

Alusdokumendid: EN 1673:2000+A1:2009

Asendatud järgmise dokumendiga: EVS-EN 1673:2020

Standardi staatus: Kehtetu

EVS-EN 16901:2016

Jäätisekülmikud. Klassifikatsioon, nõuded ja katsetingimused

Ice-cream freezers - Classification, requirements and test conditions

Keel: en

Alusdokumendid: EN 16901:2016

Asendatud järgmise dokumendiga: EVS-EN ISO 22043:2020

Standardi staatus: Kehtetu

EVS-EN 50229:2015

Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemetodid

Electric clothes washer-dryers for household use - Methods of measuring the performance

Keel: en

Alusdokumendid: EN 50229:2015

Asendatud järgmise dokumendiga: EVS-EN IEC 62512:2020

Parandatud järgmise dokumendiga: EVS-EN 50229:2015/AC:2016

Standardi staatus: Kehtetu

EVS-EN 50229:2015/AC:2016

Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemetodid

Electric clothes washer-dryers for household use - Methods of measuring the performance

Keel: en

Alusdokumendid: EN 50229:2015/AC:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 62512:2020

Standardi staatus: Kehtetu

EVS-EN 71-2:2011+A1:2014

Mänguasjade ohutus. Osa 2: Süttivus

Safety of toys - Part 2: Flammability

Keel: en, et

Alusdokumendid: EN 71-2:2011+A1:2014

Asendatud järgmise dokumendiga: EVS-EN 71-2:2020

Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast huvitatul võimalik tutvuda standardikavanditega, esitada kommentaare ning teha ettepanekuid parandusteks. Eriti on oodatud teave, kui rahvusvahelist või Euroopa standardikavandit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel).

Arvamusküsitlusele esitatakse Euroopa ja rahvusvahelised standardikavandid, mis on kavas üle võtta Eesti standarditeks, ja Eesti algupärased standardikavandid ning algupäraste tehniliste spetsifikatsioonide ja juhendite kavandid.

Iga arvamusküsitlusele oleva kavandi kohta on esitatud alljärgnev informatsioon:

- tähis;
- pealkiri;
- 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 Standardikeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 15602

Security service providers - Terminology

This standard applies to providers of security services.

Keel: en

Alusdokumendid: prEN 15602

Asendab dokumenti: EVS-EN 15602:2008

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 81346-1:2020

Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules

This part of IEC 81346, published jointly by IEC and ISO, establishes general principles for the structuring of systems including structuring of the information about systems. Based on these principles, rules and guidance are given for the formulation of unambiguous reference designations for objects in any system. The reference designation identifies objects for the purpose of creation and retrieval of information about an object, and where realized about its corresponding component. A reference designation labelled at a component is the key to find information about that object among different kinds of documents. The principles are general and are applicable to all technical areas (for example mechanical engineering, electrical engineering, construction engineering, process engineering). They can be used for systems based on different technologies or for systems combining several technologies. This document is also a horizontal publication intended for use by technical committees in preparation of publications related to reference designations in accordance with the principles laid down in IEC Guide 108.

Keel: en

Alusdokumendid: IEC 81346-1:202X; prEN IEC 81346-1:2020

Asendab dokumenti: EVS-EN 81346-1:2009

Arvamusküsitluse lõppkuupäev: 12.02.2021

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

prEN 15602

Security service providers - Terminology

This standard applies to providers of security services.

Keel: en

Alusdokumendid: prEN 15602

Asendab dokumenti: EVS-EN 15602:2008

Arvamusküsitluse lõppkuupäev: 12.02.2021

11 TERVISEHOOLDUS

prEN 16616

Chemical disinfectants and antiseptics - Chemical-thermal textile disinfection - Test method and requirements (phase 2, step 2)

This document specifies a test method and the minimum requirements for the microbicidal activity of a defined disinfection process for the treatment of contaminated textile. This procedure is carried out by using a washing machine as defined in 5.3.2.18 and refers to the disinfection step without prewash. This procedure is not limited to certain types of textile. The suppliers' instructions are expected to be sufficient to allow the method in this document to be carried out fully (e.g. dosing disinfectant in whatever washing phase e.g. main wash, rinsing, disinfecting at 40 °C). This document applies to areas and situations where disinfection is medically indicated. Such indications occur in patient care, for example: — in hospitals, in community medical facilities, and in dental institutions; — in clinics of schools, of kindergartens, and of nursing homes; and could occur in the workplace and in the home. It could also include services such as laundries and kitchens supplying products directly for the patients. The method described is intended to determine the activity of a product or product combination under the conditions in which they are used. This is a phase 2, step 2 laboratory test that simulates the conditions of application of the product. NOTE This method corresponds to a phase 2, step 2 test (see EN 14885). EN 14885 specifies in detail the relationship of the various tests to one another and to "use recommendations".

Keel: en

Alusdokumendid: prEN 16616

Asendab dokumenti: EVS-EN 16616:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 15883-1

Washer-disinfectors - Part 1: General requirements, terms and definitions and tests (ISO/DIS 15883-1:2020)

This document specifies general performance requirements for washer-disinfectors and their accessories that are intended to be used for cleaning and disinfection of reusable medical devices. It specifies performance requirements for cleaning and disinfection as well as for the accessories that can be required to achieve the necessary performance. The methods and instrumentation required for validation, routine control and monitoring and requalification, periodically and after essential repairs, are also specified. NOTE 1 The requirements can be applied to washer-disinfectors intended for use with other articles used in the context of medical, dental, pharmaceutical and veterinary practice. The requirements for washer-disinfectors intended to process specific loads are specified in other parts of the ISO 15883 series. For washer-disinfectors intended to process loads of two or more different types the requirements of all relevant parts of the ISO 15883 series apply. This document does not specify requirements intended for machines for use for laundry or general catering purposes. This document does not include requirements for machines which are intended to sterilize the load, or which are designated as "sterilizers", these are specified in other standards, e.g. EN 285[21]. The specified performance requirements of this standard do not ensure the inactivation or removal of the causative agent(s) (prion protein) of transmissible spongiform encephalopathies. NOTE 2 If it is considered that prion protein can be present, particular care is needed in the choice of cleaning agents and disinfectants to ensure that the chemicals used do not react with the prion protein in a manner that can inhibit its removal or inactivation. This document can be used by prospective purchasers and manufacturers as the basis of agreement on the specification of a washer-disinfector. The test methods for demonstration of conformity with the requirements of this document can also be employed by users to demonstrate continued conformity of the installed washer-disinfector throughout its service life. Guidance on a routine test programme is given in Annex A.

Keel: en

Alusdokumendid: ISO/DIS 15883-1; prEN ISO 15883-1

Asendab dokumenti: EVS-EN ISO 15883-1:2009

Asendab dokumenti: EVS-EN ISO 15883-1:2009/A1:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 60204-1:2018/prA1:2020

Safety of machinery - Electrical equipment of machines - Part 1: General requirements

Amendment for EN 60204-1:2018

Keel: en

Alusdokumendid: IEC 60204-1:2016/A1:202X; EN 60204-1:2018/prA1:2020

Muudab dokumenti: EVS-EN 60204-1:2018

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 15602

Security service providers - Terminology

This standard applies to providers of security services.

Keel: en

Alusdokumendid: prEN 15602

Asendab dokumenti: EVS-EN 15602:2008

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 17628

Fugitive and diffuse emissions of common concern to industry sectors - Standard method to determine diffuse emissions of volatile organic compounds into the atmosphere

This document specifies the framework for determining emissions to the atmosphere of Volatile Organic Compounds (VOCs). It defines a system of methods to detect and/or identify and/or quantify VOC emissions from industrial sources. These methods include Optical Gas Imaging (OGI), Differential Absorption Lidar (DIAL), Solar Occultation Flux (SOF), Tracer Correlation (TC), and Reverse Dispersion Modelling (RDM). It specifies the methodologies for carrying out all the above, and also defines the performance requirements and capabilities of the direct monitoring methods, the requirements for the results and their measurement uncertainties. This document specifically addresses, but is not restricted to, the petrochemicals, oil refining, and chemical industries receiving, processing, storing, and/or exporting of VOCs, and includes the emissions of VOCs from the natural gas processing/conditioning industry and the storage of natural gas and similar fuels. This document addresses diffuse VOC emissions to atmosphere but excludes the emissions of VOCs into water and into solid materials such as soils. It is complementary to EN 15446 [9], which covers detection, localization of sources (individual leaks from equipment and piping), and quantification of fugitive VOC emissions within the scope of a Leak Detection and Repair Programme (LDAR). This document has been validated for non-methane VOCs, but the methodologies are in principle applicable to methane and other gases. This document defines methods to determine (detect, identify and/or quantify) VOC emissions during the periods of monitoring. It does not address the extrapolation of emissions to time periods beyond the monitoring period.

Keel: en

Alusdokumendid: prEN 17628

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 14031

Environmental management - Environmental performance evaluation - Guidelines (ISO/FDIS 14031:2020)

This document gives guidelines for the design and use of environmental performance evaluation (EPE) within an organization. It is applicable to all organizations, regardless of type, size, location and complexity. This document does not establish environmental performance levels. It is not intended for use for the establishment of any other environmental management system (EMS) conformity requirements. The guidance in this document can be used to support an organization's own approach to EPE including its commitments to compliance with legal and other requirements, the prevention of pollution and continual improvement, among others. NOTE This document is a generic standard and does not include guidance on specific methods for valuing or weighting different kinds of impacts in different kinds of sectors, disciplines, etc. Depending on the nature of the organization's activities, there is often a need to also go to other sources for additional information and guidance on sector-specific topics, different subject matters or different scientific disciplines.

Keel: en

Alusdokumendid: ISO/FDIS 14031; prEN ISO 14031

Asendab dokumenti: EVS-EN ISO 14031:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 340

Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO/DIS 340:2020)

This International Standard specifies a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

Keel: en

Alusdokumendid: ISO/DIS 340; prEN ISO 340

Asendab dokumenti: EVS-EN ISO 340:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

17 METROLOOGIA JA MÕÖTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC/IEEE 62209-1528

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)

Identical adoption of future IEC/IEEE 62209-1528 into EN IEC/IEEE 62209-1528

Keel: en

Alusdokumendid: prEN IEC/IEEE 62209-1528; IEC/IEEE 62209-1528:2020

Asendab dokumenti: EVS-EN 62209-1:2016

Asendab dokumenti: EVS-EN 62209-2:2010

Asendab dokumenti: EVS-EN 62209-2:2010/A1:2019

Arvamusküsitluse lõppkuupäev: 12.02.2021

FprEN IEC 61010-2-091:2018/prAA**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems**

1 Scope and object This clause of Part 1 is applicable, except as follows: 1.1 Scope 1.1.1 Equipment included in scope Deletion: Delete the first paragraph. Replacement: Replace the second paragraph (above items a) to c)) with the following new text: This part of IEC 61010 specifies particular safety requirements for cabinet X-ray systems, which fall under any of categories a), b) or c) below. Addition: Add the two following new paragraphs at the end of the subclause: Equipment covered by this document can be both PROTECTED EQUIPMENT or PARTIALLY PROTECTED EQUIPMENT, with X-ray generator voltage up to 500 kV. A cabinet X-ray system is a system that contains an X-ray tube installed in a cabinet, which, independently of existing architectural structures except the floor on which it may be placed, is intended to contain at least that portion of a material being irradiated, provide radiation attenuation and prevent operator access to the radiation beam, during generation of X-radiation. These cabinet X-ray systems are used in industrial, commercial, and public environments, for example, to inspect materials, to analyse materials, and to screen baggage. 1.1.2 Equipment excluded from scope Addition: Add the following new items to the list: aa) Equipment intended to apply X-radiation to humans or animals; bb) Equipment incorporating an X-ray tube but not incorporating complete shielding against X-radiation HAZARDS, such as: – equipment intended to be used within a shielded room which excludes personnel during operation; – equipment intended to be used with separate portable or temporary shielding; – equipment intended to produce an emerging beam of X-radiation. 1.2 Object 1.2.1 Aspects included in scope Addition: Add the following new text to the end of the first paragraph: This part of IEC 61010 specifies requirements for the design and methods of construction of cabinet X-ray systems to provide adequate protection for OPERATORS, bystanders, trained service personnel and the surrounding area against unintentionally-emitted X-radiation and from mechanical HAZARDS related to their conveyors.

Keel: en

Alusdokumendid: FprEN IEC 61010-2-091:2018/prAA

Muudab dokumenti: prEN 61010-2-091:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 61010-2-051:2017/prAA**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring**

1 Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the text, except the first paragraph, with the following new text: This part of IEC 61010 is applicable to electrically operated laboratory equipment and its accessories for mechanical mixing and stirring, where mechanical energy influences the shape or size or homogeneity of materials and their accessories. Such devices can contain heating elements. NOTE If all or part of the equipment falls within the scope of one or more other Part 2 standards of the IEC 61010 series as well as within the scope of this document, consideration is given to those other Part 2 standards. The standard for equipment which contains heating devices is IEC 61010-2-010.

Keel: en

Alusdokumendid: prEN 61010-2-051:2017/prAA

Muudab dokumenti: prEN 61010-2-051:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 61010-2-061:2017/prAA**Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization**

Common modification to prEN 61010-2-061:2017

Keel: en

Alusdokumendid: prEN 61010-2-061:2017/prAA

Muudab dokumenti: prEN 61010-2-061:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 61010-2-011:2018/prAA**Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment**

1 Scope and object This clause of Part 1 is applicable, except as follows: 1.1.1 Equipment included in scope Replacement: Replace the second paragraph by the following: This Part 2 of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates REFRIGERATING SYSTEMS as an integral part of, or separate from, the equipment and the equipment is in direct control of the REFRIGERATING SYSTEM. This document details all the requirements when up to 150 g of FLAMMABLE REFRIGERANT are used per stage of a REFRIGERATING SYSTEM. Additional requirements beyond the current scope of this document apply if a REFRIGERANT charge of FLAMMABLE REFRIGERANT exceeds this amount. Addition: Add the following text after the last paragraph: NOTE 101 Examples for REFRIGERATING EQUIPMENT include, but are not limited to, laboratory equipment such as laboratory refrigerators, freezers, refrigerated display cabinets. It is possible that all or part of the equipment falls within the scope of one or more other Part 2 standards of IEC 61010 as well as within the scope of this standard. In that case, the requirements of those other Part 2 standards will also apply. In particular, if equipment

is intended to be used as a centrifuge, the requirements of IEC 61010-2-020 apply. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more severe HAZARDS than if treated separately, then it is possible that IEC 61010-2-012 is applicable instead of this Part 2-011. See further information in the flow chart (Figure 102) for the selection process and guidance in the Introduction. 1.1.2 Equipment excluded from scope Addition: Add the following new item after item j): or equipment incorporating: aa) a transcritical REFRIGERANT SYSTEM (system that uses CO₂) or a system that uses ammonia (NH₃) as the REFRIGERANT. 1.2 Object 1.2.1 Aspects included in scope Replacement: Replace the first paragraph by the following: The object of this document is to ensure that the design and methods of construction of REFRIGERATING EQUIPMENT provide adequate protection for OPERATORS, bystanders, trained service personnel, and the surrounding area against the specific HAZARDS that relate to REFRIGERATING SYSTEMS. Addition: Add the following note after the existing note: NOTE 101 A list of HAZARDS typically associated with REFRIGERATING SYSTEMS and REFRIGERANTS is included in Annex BB.

Keel: en

Alusdokumendid: prEN IEC 61010-2-011:2018/prAA

Muudab dokumenti: prEN IEC 61010-2-011:2018

Arvamusküsitluse lõppkuupäev: 12.02.2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN ISO 15874-3:2013/prA2

Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 2 (ISO 15874-3:2013/DAM 2:2020)

Amendment to EN ISO 15874-3:2013

Keel: en

Alusdokumendid: ISO 15874-3:2013/DAMd 2; EN ISO 15874-3:2013/prA2

Muudab dokumenti: EVS-EN ISO 15874-3:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15875-3:2003/prA2

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 2 (ISO 15875-3:2003/DAM 2:2020)

Amendment to EN ISO 15875-3:2003

Keel: en

Alusdokumendid: ISO 15875-3:2003/DAMd 2; EN ISO 15875-3:2003/prA2

Muudab dokumenti: EVS-EN ISO 15875-3:2004

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15876-3:2017/prA2

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 2 (ISO 15876-3:2017/DAM 2:2020)

Amendment to EN ISO 15876-3:2017

Keel: en

Alusdokumendid: ISO 15876-3:2017/DAMd 2; EN ISO 15876-3:2017/prA2

Muudab dokumenti: EVS-EN ISO 15876-3:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15877-3:2009/prA2

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings - Amendment 2 (ISO 15877-3:2009/DAM 2:2020)

Amendment to EN ISO 15877-3:2009

Keel: en

Alusdokumendid: ISO 15877-3:2009/DAMd 2; EN ISO 15877-3:2009/prA2

Muudab dokumenti: EVS-EN ISO 15877-3:2009

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 21003-3:2008/prA1

Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings - Amendment 1 (ISO 21003-3:2008/DAM 1:2020)

Amendment to EN ISO 21003-3:2008

Keel: en

Alusdokumendid: ISO 21003-3:2008/DAMd 1; EN ISO 21003-3:2008/prA1

Muudab dokumenti: EVS-EN ISO 21003-3:2008

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 22391-3:2009/prA2

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 2 (ISO 22391-3:2009/DAM 2:2020)

Amendment to EN ISO 22391-3:2009

Keel: en

Alusdokumendid: ISO 22391-3:2009/DAMd 2; EN ISO 22391-3:2009/prA2

Muudab dokumenti: EVS-EN ISO 22391-3:2010

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 15632-1

District heating pipes - Pre-insulated flexible pipe systems - Part 1: Classification, general requirements and test methods

This document provides classification, general requirements and test methods for flexible, factory made, buried district heating pipe systems. This document is intended to be used in conjunction with part 2, 3 or 4, as applicable. Depending on the pipe assembly (see Table 4), this document is valid for maximum media temperature of 95 °C (part 2 and 3) and maximum media temperature of 120 °C (for part 4) and design pressures of 0,6 MPa to 2,5 MPa. The pipe systems are designed for a service life of at least 30 years. For pipe systems with plastic service pipes, the respective temperature profiles are defined in EN 15632-2 and EN 15632-3. NOTE For the transport of other liquids, for example potable water, additional requirements may be applicable.

Keel: en

Alusdokumendid: prEN 15632-1

Asendab dokumenti: EVS-EN 15632-1:2009+A1:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 15632-2

District heating pipes - Factory made flexible pipe systems - Part 2: Bonded system with plastic service pipes; requirements and test methods

This European Standard provides requirements and test methods for flexible, pre-insulated, directly buried heating pipes with plastics service pipes and bonding between the layers of the pipes. This European Standard is valid for maximum operating temperatures of 95 °C and maximum operating pressures up to 10 bar for a design lifetime of at least 30 years. This European Standard does not cover surveillance systems. NOTE For higher temperatures or for the transport of other fluids, for example potable water, additional requirements and testing is needed. Such requirements are not specified in this European Standard.

Keel: en

Alusdokumendid: prEN 15632-2

Asendab dokumenti: EVS-EN 15632-2:2010+A1:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 15632-3

District heating pipes - Factory made flexible pipe systems - Part 3: Non bonded system with plastic service pipes; requirements and test methods

This document provides requirements and test methods for flexible, factory made, buried district heating pipes systems with plastic service pipes and no bonding between the layers of the pipe assemblies. It shall be used in conjunction with part 1. This document is valid for maximum operating temperature of 95 °C and maximum operating design pressure up to 1,0 MPa for a design lifetime of at least 30 years. This document does not cover surveillance systems. In conjunction with the other parts of EN 15632, this document is applicable to pipes, fittings, their joints and to joints with components made of non-plastics materials intended to be used for district heating installations. NOTE For higher temperatures or for the transport of other fluids, for example potable water, additional requirements and testing is needed. Such requirements are not specified in this document.

Keel: en

Alusdokumendid: prEN 15632-3

Asendab dokumenti: EVS-EN 15632-3:2010+A1:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 15632-4

District heating pipes - Factory made flexible pipe systems - Part 4: Bonded system with metal service pipes; requirements and test methods

This document provides requirements and test methods for flexible, factory made, buried district heating pipe systems with metallic service pipes and bonding between the layers of the pipe assemblies and thermal insulation materials of polyurethane or polyisocyanurate foam, the casing being made of polyethylene. It shall be used in conjunction with part 1. This document is valid for maximum media temperatures up to 120 °C and, occasionally peak temperatures up to 140 °C for maximum 300 h/a, and a design pressure up to 2,5 MPa for a design lifetime of at least 30 years. This document covers surveillance systems. In conjunction with the other parts of EN 15632, this document is applicable to pipes, fittings, their joints and to joints with components made of non-plastics materials intended to be used for district heating installations. NOTE For higher temperatures or for the transport of other fluids, for example potable water, additional requirements and testing is needed. Such requirements are not specified in this document.

Keel: en
Alusdokumendid: prEN 15632-4
Asendab dokumenti: EVS-EN 15632-4:2009
Arvamusküsitluse lõppkuupäev: 12.02.2021

25 TOOTMISTEHNOLOOGIA

prEN 13523-25

Coil coated metals - Test methods - Part 25: Resistance to humidity

This Part of EN 13523 specifies a procedure for evaluating the humidity resistance of an organic coating (coil coating) on a metallic substrate, by means of exposure in a humidity cabinet under controlled conditions.

Keel: en
Alusdokumendid: prEN 13523-25
Asendab dokumenti: EVS-EN 13523-25:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13523-26

Coil coated metals - Test methods - Part 26: Resistance to condensation of water

This document specifies a procedure for evaluating the resistance to continuous condensation of an organic coating on a metallic substrate, by means of exposure in a humidity cabinet under controlled conditions.

Keel: en
Alusdokumendid: prEN 13523-26
Asendab dokumenti: EVS-EN 13523-26:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13523-3

Coil coated metals - Test methods - Part 3: Colour difference - Instrumental comparison

This document specifies procedures for determining the instrumental colour difference (CIELAB) of an organic coating on a metallic substrate compared to another one used as a reference (usually called reference) and the metamerism depending on the illuminant. When two colour specimens have identical spectral reflectance curves, they are matching under any illuminant irrespective of its spectral characteristics. This is termed a "spectral match". It is also possible for two colour specimens having different spectral reflectance curves to match visually under a given light source but not to match under another light source with different spectral characteristics; such matches are termed "metameric". One quantitative description of metamerism is the so-called "metamerism index". Information on the metamerism index is of limited value where ΔE (instrumental colour difference for a given illuminant) is > 0.5 . The metamerism index is not suited for determining the absolute colour difference or colour consistency of a given specimen at change of illuminant. The colour difference under the reference illuminant is to be measured in colour coordinates L^* , a^* and b^* . Excluded from this method are organic coatings producing fluorescence and/or which are multicoloured, pearlescent or metallic. Establishing a reference as well as the magnitude of an acceptable colour difference are not covered by this method. Two methods are given in this document: a) instrumental colour difference measurement using a tristimulus colourimeter; b) instrumental colour difference measurement using a spectrophotometer or equivalent. Care should be taken when measuring e.g. - textured surfaces; - fluorescent coatings; - metameric coatings; - multi-coloured, pearlescent, metallic or special colour effect coatings.

Keel: en
Alusdokumendid: prEN 13523-3
Asendab dokumenti: EVS-EN 13523-3:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13523-7

Coil coated metals - Test methods - Part 7: Resistance to cracking on bending (T-bend test)

This part of EN 13523 specifies the procedure for determining the resistance to cracking of an organic coating on a metallic substrate when bent through 135° to 180° . The degree of adhesion may also be evaluated. Both folding and mandrel methods are considered. The folding method is more often used for practical purposes but where more precise determinations are required, the mandrel method is recommended. The cylindrical bend method may also be used for a pass/fail decision by using an agreed mandrel. The choice of the appropriate test method is limited by the thickness and/or the hardness of the substrate. The feasibility of the test depends on the type and thickness of the substrate. During the procedure, the mandrel should not deform.

Keel: en
Alusdokumendid: prEN 13523-7
Asendab dokumenti: EVS-EN 13523-7:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13523-9

Coil coated metals - Test methods - Part 9: Resistance to water immersion

This document specifies the procedure for determining the resistance to water immersion of an organic coating on a metallic substrate. The test is applicable to all kinds of organic coatings, including metallics and embossed, textured, pearlescent and

printed coatings. The results of the test give an indication of the resistance of the coil coated metal to water. The method is not intended to reproduce any particular condition of condensation.

Keel: en

Alusdokumendid: prEN 13523-9

Asendab dokumenti: EVS-EN 13523-9:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 62714-2:2020

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 2: Semantics libraries

The IEC 62714 series specifies an engineering data exchange format for use in industrial automation systems. This part of IEC 62714 specifies normative as well as informative AML libraries for the modelling of engineering information for the exchange between engineering tools in the plant automation area by means of AML. Moreover, it presents additional user defined libraries as an example. Its provisions apply to the export/import applications of related tools. This part of IEC 62714 specifies AML role class libraries and AML attribute type libraries. Role classes provide semantics to AML objects, attribute types provide semantics to AML attributes. The association of role classes to AML objects or attribute types to AML attributes represent the possibility to add (also external) semantic to it. By associating a role class to an AML object or an attribute type to an AML attribute, it gets a semantic. This part of IEC 62714 does not define details of the data exchange procedure or implementation requirements for the import/export tools.

Keel: en

Alusdokumendid: IEC 62714-2:202X; prEN IEC 62714-2:2020

Asendab dokumenti: EVS-EN 62714-2:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 3834-1

Quality requirements for fusion welding of metallic materials - Part 1: Criteria for the selection of the appropriate level of quality requirements (ISO/DIS 3834-1:2020)

This document provides a general outline of the ISO 3834 series and criteria to be taken into account for the selection of the appropriate level of quality requirements for fusion welding of metallic materials, among the three levels specified in ISO 3834-2[1], ISO 3834-3[2] and ISO 3834-4[3]. It applies to manufacturing, both in workshops and at field installation sites. NOTE 1 ISO 3834-2, ISO 3834-3 and ISO 3834-4 provide complete sets of quality requirements for process control related to all fusion welding processes (for each process separately or in combination as specified). ISO 3834-5 specifies the documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4. This document does not specify requirements for a total quality management system. However, Clause 6 identifies quality management system elements where their inclusion will complement ISO 3834. NOTE 2 ISO 3834-2, ISO 3834-3 and ISO 3834-4 may be used on their own by a manufacturer or in conjunction with ISO 9001:2015.

Keel: en

Alusdokumendid: ISO/DIS 3834-1; prEN ISO 3834-1

Asendab dokumenti: EVS-EN ISO 3834-1:2006

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 3834-5

Quality requirements for fusion welding of metallic materials - Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 (ISO/DIS 3834-5:2020)

This document specifies the International Standards with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834 2, ISO 3834 3, or ISO 3834 4. It can only be used in conjunction with ISO 3834 2, ISO 3834 3, or ISO 3834 4. NOTE For brazing, see ISO 22688.

Keel: en

Alusdokumendid: ISO/DIS 3834-5; prEN ISO 3834-5

Asendab dokumenti: EVS-EN ISO 3834-5:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

29 ELEKTROTEHNIKA

EN 60204-1:2018/prA1:2020

Safety of machinery - Electrical equipment of machines - Part 1: General requirements

Amendment for EN 60204-1:2018

Keel: en

Alusdokumendid: IEC 60204-1:2016/A1:202X; EN 60204-1:2018/prA1:2020

Muudab dokumenti: EVS-EN 60204-1:2018

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50122-1

Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 1: Protective provisions against electric shock

This document specifies requirements for the protective provisions relating to electrical safety in fixed installations associated with AC and/or DC traction systems and to any installations that can be endangered by the electric traction power supply system. This also includes the requirements which are present at the interface with the live parts on the outside of the vehicles. It also applies to all aspects of fixed installations that are necessary to ensure electrical safety during maintenance work within electric traction power supply systems. This document applies to all new lines and to all major revisions to existing lines for the following electric traction power supply systems: a) railways; b) guided mass transport systems such as 1) tramways, 2) elevated and underground railways, 3) mountain railways, 4) trolleybus systems 5) electric traction supplies for road vehicles, which use an overhead contact line system, and 6) magnetically levitated systems, which use a contact line system; c) material transportation systems. This document does not apply to: d) mine traction systems in underground mines, e) cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly or via transformers from the contact line system and are not endangered by the electric traction power supply system, f) suspended cable cars, g) funicular railways. This document does not specify working rules for maintenance.

Keel: en

Alusdokumendid: prEN 50122-1

Asendab dokumenti: EVS-EN 50122-1:2011

Asendab dokumenti: EVS-EN 50122-1:2011/A1:2011

Asendab dokumenti: EVS-EN 50122-1:2011/A2:2016

Asendab dokumenti: EVS-EN 50122-1:2011/A3:2016

Asendab dokumenti: EVS-EN 50122-1:2011/A4:2017

Asendab dokumenti: EVS-EN 50122-1:2011/AC2:2012

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50122-2

Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 2: Provisions against the effects of stray currents caused by DC traction systems

This document specifies requirements for protective provisions against the effects of stray currents, which result from the operation of DC traction systems. As several decades' experience has not shown evident corrosion effects from AC traction systems and actual investigations are not completed, this document only deals with stray currents flowing from a DC traction system. This document applies to all metallic fixed installations which form part of the traction system, and also to any other metallic components located in any position in the earth, which can carry stray currents resulting from the operation of the railway system. This document applies to all new DC lines and to all major revisions to existing DC lines. The principles can also be applied to existing electrified transportation systems where it is necessary to consider the effects of stray currents. This document does not specify working rules for maintenance but provides design requirements to allow maintenance. The range of application includes: a) railways, b) guided mass transport systems such as: 1) tramways, 2) elevated and underground railways, 3) mountain railways, 4) trolleybus systems, and 5) magnetically levitated systems, which use a contact line system, c) material transportation systems. This document does not apply to d) mine traction systems in underground mines, e) cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly from the contact line system and are not endangered by the traction power supply system, f) suspended cable cars, g) funicular railways.

Keel: en

Alusdokumendid: prEN 50122-2

Asendab dokumenti: EVS-EN 50122-2:2010

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50122-3

Railway applications - Fixed installations - Electrical safety, earthing and the return circuit - Part 3: Mutual Interaction of AC and DC traction systems

This document specifies requirements for the protective provisions relating to electrical safety in fixed installations, when it is reasonably likely that hazardous voltages or currents will arise for people or equipment, as a result of the mutual interaction of AC and DC electric power supply traction systems. It also applies to all aspects of fixed installations that are necessary to ensure electrical safety during maintenance work within electric power supply traction systems. The mutual interaction can be of any of the following kinds: — parallel running of AC and DC electric traction power supply systems; — crossing of AC and DC electric traction power supply systems; — shared use of tracks, buildings or other structures; — system separation sections between AC and DC electric power supply traction systems. The scope is limited to basic frequency voltages and currents and their superposition. This document does not cover radiated interferences. This document applies to all new lines, extensions and to all major revisions to existing lines for the following electric power supply traction systems: a) railways; b) guided mass transport systems such as: 1) tramways, 2) elevated and underground railways, 3) mountain railways, 4) trolleybus systems, and 5) magnetically levitated systems, which use a contact line system; c) material transportation systems. The document does not apply to: d) electric traction power supply systems in underground mines; e) cranes, transportable platforms and similar transportation equipment on rails, temporary structures (e.g. exhibition structures) in so far as these are not supplied directly or via transformers from the contact line system and are not endangered by the traction power supply system for railways; f) suspended cable cars; g) funicular railways; h) procedures or rules for maintenance. The rules given in this document can also be applied to mutual interaction with non-electrified tracks, if hazardous voltages or currents can arise from AC or DC electric traction power supply systems.

Keel: en

Alusdokumendid: prEN 50122-3
Asendab dokumenti: EVS-EN 50122-3:2010
Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50388-1

Railway Applications - Fixed installations and rolling stock - Technical criteria for the coordination between electric traction power supply systems and rolling stock to achieve interoperability - Part 1: General

This European Standard establishes requirements for the compatibility of rolling stock with infrastructure particularly in relation to: – co-ordination of protection principles between power supply and traction units, especially fault discrimination for short-circuits; – co-ordination of installed power on the line and the power demand of trains; – co-ordination of traction unit regenerative braking and power supply receptivity; – co-ordination of harmonic behaviour. This European Standard deals with the definition and quality requirements of the power supply at the interface between traction units and fixed installations. This European Standard specifies the interface between rolling stock and electrical fixed installations for traction, in respect of the power supply system. The interaction between pantograph and overhead contact line is dealt with in EN 50367. The interaction with the “control-command” subsystem (especially signalling) is not dealt with in this standard. Requirements are given for TSI lines (both high speed and conventional) and classical lines. For classical lines, values, where given, are for the existing European networks. Furthermore the maximum values that are specified are applicable to the foreseen developments of the infrastructure of the Trans European rail networks. The following electric traction systems are within scope: – railways; – guided mass transport systems that are integrated with railways; – material transport systems that are integrated with railways. This European Standard does not apply retrospectively to rolling stock already in service. Information is given on electrification parameters such as to enable train operating companies to confirm, after consultation with the rolling stock manufacturers, that there will be no consequential disturbance on the electrification system.

Keel: en
Alusdokumendid: prEN 50388-1
Asendab dokumenti: EVS-EN 50388:2012
Asendab dokumenti: EVS-EN 50388:2012/AC2:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 81346-1:2020

Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1: Basic rules

This part of IEC 81346, published jointly by IEC and ISO, establishes general principles for the structuring of systems including structuring of the information about systems. Based on these principles, rules and guidance are given for the formulation of unambiguous reference designations for objects in any system. The reference designation identifies objects for the purpose of creation and retrieval of information about an object, and where realized about its corresponding component. A reference designation labelled at a component is the key to find information about that object among different kinds of documents. The principles are general and are applicable to all technical areas (for example mechanical engineering, electrical engineering, construction engineering, process engineering). They can be used for systems based on different technologies or for systems combining several technologies. This document is also a horizontal publication intended for use by technical committees in preparation of publications related to reference designations in accordance with the principles laid down in IEC Guide 108.

Keel: en
Alusdokumendid: IEC 81346-1:202X; prEN IEC 81346-1:2020
Asendab dokumenti: EVS-EN 81346-1:2009

Arvamusküsitluse lõppkuupäev: 12.02.2021

33 SIDETEHNIKA

prEN 301 489-50 V2.2.2

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

The present document specifies technical characteristics and methods of measurements in respect of ElectroMagnetic Compatibility (EMC) for the following equipment types: 1) digital cellular base station equipment, including BS with antenna ports and BS without antenna ports; 2) repeaters; 3) associated ancillary equipment. Including individual and combinations of technologies listed in table 1. Table 1: Cellular Mobile Communication Technologies Technology (Air technology); Technology Generation; Standard SET; ETSI Standard GSM (GSM/EDGE); 2G/3G; IMT-2000 SC (single carrier); ETSI EN 301 502, ETSI TS 137 104, ETSI TS 137 141 CDMA 2000; 3G; CDMA2000 (IMT-MC multi carrier); ETSI EN 301 526, ETSI EN 301 908-5, ETSI EN 301 908-7, ETSI EN 301 449, ETSI EN 302 426 UMTS (UTRA, W-CDMA); 3G; IMT-2000 Direct Spread; ETSI TS 125 104, ETSI TS 125 105, ETSI TS 125 106 LTE (see note 1) (E-UTRA); 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 136 141, ETSI TS 136 106, ETSI TS 136 143 LTE (see note 1) (E-UTRA), AAS; 4G; IMT-advanced; ETSI TS 136 104, ETSI TS 137 114, ETSI TS 137 145-1, ETSI TS 137 145-2 MSR (see note 2) AAS; 4G IMT-advanced; ETSI TS 137 104, ETSI TS 137 141, ETSI TS 137 114, ETSI TS 137 145-1, ETSI TS 137 145-2 WMAN (OFDMA); 3G; IMT-2000 OFDMA; ETSI EN 301 908-22 NR OTA; 5G; IMT-advanced; ETSI TS 138 104, ETSI TS 138 141-1, ETSI TS 138 141-2 Standalone NB-IoT; 4G; IMT-2000; ETSI TS 136

104 NOTE 1: Including LAA, inband NB-IoT or guard band NB-IoT. NOTE 2: Combination of technologies GSM, W-CDMA, LTE and NR. Technical specifications related to the antenna port and emissions from the enclosure port of Base Station (BS), combinations of radio and associated ancillary equipment or repeaters are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum. The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1, except for any special conditions included in the present document. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in Annex A.

Keel: en

Alusdokumendid: Draft ETSI EN 301 489-50 V2.2.2

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 301 489-52 V1.1.2

Elektromagnetilise ühilduvuse (EMC) standard raadioseadmetele ja teenustele; Osa 52. Eritingimused kõrgside liikuvatele ja kantavatele (UE) raadioseadmetele ja lisaseadmetele; Elektromagnetilise ühilduvuse harmoneeritud standard ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 52: Specific conditions for Cellular Communication User Equipment (UE) radio and ancillary equipment; Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies the applicable test conditions, performance assessment, and performance criteria for Cellular Communication User Equipment (UE), including Customer Premise Equipment (CPE), Set Top Box (STB) containing cellular communication technologies, and the associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC) for equipment utilizing the technologies in table 1. Table 1: Technologies User Equipment (UE) radio and ancillary equipment Cellular Communication Cellular Mobile Communication Technology; Technology Generation; Standard Set; ETSI Standard Global System for Mobile communications (GSM); 2G/3G; IMT-2000 SC single carrier; ETSI EN 301 511 [i.9] CDMA Multi-Carrier (cdma2000); 2G/3G; IS-95/CDMA2000 - IMT-MC multi carrier; ETSI EN 301 908-4 CDMA Direct Spread (UTRA FDD); 3G; IMT-2000 Direct Spread; ETSI EN 301 908-2 Evolved Universal Terrestrial Radio Access (E-UTRA); 4G; IMT-advanced; ETSI EN 301 908-13 New Radio (NR); 5G; IMT-2020; ETSI TS 138 521-1, ETSI TS 138 521-3 Technical specifications related to the antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum. The environmental classification and the emission and immunity requirements used in the present document are as stated in ETSI EN 301 489-1, except for any special conditions included in the present document. NOTE 1: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A. NOTE 2: The present document does not cover the radio base stations as specified in ETSI EN 301 489-50.

Keel: en

Alusdokumendid: Draft ETSI EN 301 489-52 V1.1.2

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 301 549 V3.2.1

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

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

Keel: en

Alusdokumendid: Draft EN 301 549 V3.2.1

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50117-9-1

Coaxial cables - Part 9-1: Sectional specification for coaxial cables for analogue and digital signal transmission - Indoor drop cables for systems operating at 5 MHz - 1 000 MHz

This part of the EN 50117 series which is a sectional specification applies to coaxial indoor drop cables for analogue and digital one and two way signal transmission, e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728-1:2014, EN 60728-1-1:2014, EN 60728-101:2017, EN 60728-10:2014, EN 50173-1:2018 and EN 50173-4:2018. This includes also the transmission of BCT signals provided by a CATV, MATV or SMATV cable network. The purpose of this document is to specify the applicable test methods and requirements for the electrical, mechanical and environmental characteristics and for fire performance of the cables.

Keel: en

Alusdokumendid: prEN 50117-9-1

Asendab dokumenti: EVS-EN 50117-9-1:2019

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 50288-7

Multi-element metallic cables used in analogue and digital communication and control - Part 7: Sectional specification for instrumentation and control cables

This document covers multi-element cables suitable for connecting instruments and control systems for analogue or digital signal transmission used in industrial processes carried out in commercial and industrial premises including cables that could be specified for use in Automated Infrastructure Management applications. They could be screened and optionally incorporate armouring and/or moisture or environmental protection layers. The cables are expected to have a mechanically robust construction and electrical transmission handling properties. The electrical, mechanical, transmission and environmental performance characteristics of the cables, related to their reference test methods are detailed in this specification. Cables covered by this document have maximum rated voltages of 300 V or 500 V a.c. Multi-element cables for use in analogue, digital and control circuits are not designed to be used for power supply or to be connected directly to mains electricity supply or other low impedance sources. NOTE These cables are expected to be installed in accordance with the applicable local and national regulations. According to Annex 1 of mandate M/443 EN, depending upon the installation and application these cables might not necessarily fall under the regulation of EN 50575. Cables intended to have circuit integrity in a fire are covered by this document. There could be occasions when cables are required to have higher operating temperature ratings than those provided by using materials specified by the EN 50290 series. Suitable alternative materials are under consideration.

Keel: en

Alusdokumendid: prEN 50288-7

Asendab dokumenti: EVS-EN 50288-7:2005

Arvamusküsitluse lõppkuupäev: 12.02.2021

35 INFOTEHNOLOOGIA

prEN 15509

Electronic fee collection - Interoperability application profile for DSRC

The scope for this European Standard is limited to: - payment method: Central account based on EFC-DSRC; - physical systems: OBU, RSE and the DSRC interface between them (all functions and information flows related to these parts); - DSRC-link requirements; - EFC transactions over the DSRC interface; - data elements to be used by OBU and RSE used in EFC-DSRC transactions; - security mechanisms for OBU and RSE used in EFC-DSRC transactions.

Keel: en

Alusdokumendid: prEN 15509

Asendab dokumenti: EVS-EN 15509:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 4709-002

Aerospace series - Unmanned Aircraft Systems - Part 002: Direct Remote identification

This document will provide means of compliance to cover the "Direct Remote Identification" system for UA of the "open Category". This document applies to Class 1 to Class 3 and Add-On. The "direct remote identification" means a system that ensures the local broadcast of information about a UA in operation. More specifically, this document will address drone capability to be identified during the whole duration of the flight, in real time and with no specific connectivity or ground infrastructure link, by existing mobile devices when within the broadcasting range. Such functionality, based on an open and documented transmission protocol (described in this document) and developed for security purposes and social acceptance, can be used by law enforcement people, critical infrastructure managers, and general public to get an instantaneous information on the drone flying around, providing various information such as UA identifier, UA navigation data and operational status, UAS Operator identifier and position as defined in the Delegated Regulation (EU) 2019/945.

Keel: en

Alusdokumendid: prEN 4709-002

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 4709-003

Aerospace series - Unmanned Aircraft Systems - Part 003: Geo-awareness requirements

This document provides means of compliance of the function "Geo-awareness" specified in Parts 2 to 4 of the Commission Delegated Regulation (EU) 2019/945 of 12 March 2019 on unmanned aircraft intended for use in the "open" category, and on third-country operators of unmanned aircraft systems and its annex. The Geo-awareness is specified in Part 2 – articles (13) and (14) for Class 1 UASs, in Part 3 – articles (15) and (16) for Class 2 UASs and in Part 4 – articles (10) and (11) for Class 3 UASs. This document specifies the minimum performance expected from this Geo-awareness function, without prescribing its design and implementation as far as possible. Compliance with this document is recommended as one means of assuring that the Function will perform its intended sub-functions satisfactorily under all conditions normally encountered in routine aeronautical operation. NOTE In the rest of the document, we will use "Function" to mean the object of this specification, and equipment to identify the entity implementing this Function in whatever form.

Keel: en

Alusdokumendid: prEN 4709-003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 4709-004

Aerospace series - Unmanned Aircraft Systems - Part 004: Lighting requirements

This document will provide means of compliance to cover lighting related requirements for Part 2 to 4 of the Annex to the Commission Delegated Regulation on unmanned aircraft and on third country UAS operators. The purpose is to be able to verify that an UA is equipped with lights which: — ensure controllability of the UA. — ensure conspicuity of the aircraft at night, the design of the light shall allow a person on the ground to distinguish a UA from a manned aircraft. This document addresses: — definition of types, technical requirements, and technical parameters of UA lights (e.g. position of lights for different UA categories, intensity for different operation modes). — definition of purpose, test procedures, requirements, and compliance rules to evaluate UA lights.

Keel: en

Alusdokumendid: prEN 4709-004

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 62714-2:2020

Engineering data exchange format for use in industrial automation systems engineering - Automation markup language - Part 2: Semantics libraries

The IEC 62714 series specifies an engineering data exchange format for use in industrial automation systems. This part of IEC 62714 specifies normative as well as informative AML libraries for the modelling of engineering information for the exchange between engineering tools in the plant automation area by means of AML. Moreover, it presents additional user defined libraries as an example. Its provisions apply to the export/import applications of related tools. This part of IEC 62714 specifies AML role class libraries and AML attribute type libraries. Role classes provide semantics to AML objects, attribute types provide semantics to AML attributes. The association of role classes to AML objects or attribute types to AML attributes represent the possibility to add (also external) semantic to it. By associating a role class to an AML object or an attribute type to an AML attribute, it gets a semantic. This part of IEC 62714 does not define details of the data exchange procedure or implementation requirements for the import/export tools.

Keel: en

Alusdokumendid: IEC 62714-2:202X; prEN IEC 62714-2:2020

Asendab dokumenti: EVS-EN 62714-2:2015

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN IEC 81001-5-1:2020

Health Software and health IT systems safety, effectiveness and security - Part 5-1: Security - Activities in the product lifecycle

1.1 Purpose This document defines the LIFE CYCLE requirements for development and maintenance of HEALTH SOFTWARE needed to support conformity to IEC 62443-4-1 - taking the specific needs for HEALTH SOFTWARE into account. The set of PROCESSES, ACTIVITIES, and TASKS described in this document establishes a common framework for secure HEALTH SOFTWARE LIFE CYCLE PROCESSES. [Fig. 1] The purpose is to increase the information SECURITY of HEALTH SOFTWARE by establishing certain ACTIVITIES and TASKS in the HEALTH SOFTWARE LIFE CYCLE PROCESSES and also by increasing the SECURITY of SOFTWARE LIFE CYCLE PROCESSES themselves. It is important to maintain an appropriate balance of the key properties SAFETY, effectiveness and SECURITY as discussed in IEC 81001-1. This document excludes specification of ACCOMPANYING DOCUMENTATION contents. 1.2 Field of application This document applies to the development and maintenance of HEALTH SOFTWARE by a MANUFACTURER, but recognizes the critical importance of bi-lateral communication with organizations (e.g. HDOs) who have SECURITY responsibilities for the HEALTH SOFTWARE and the systems it is incorporated into, once the software has been developed and released. The IEC/ISO 81001-5 series of standards (for which this is part 1, is therefore being designed to include future parts addressing SECURITY that apply to the implementation, operations and use phases of the LIFE CYCLE for organizations such as HDOs. Medical device software is a subset of HEALTH SOFTWARE. Therefore, this document applies to: – Software as part of a medical device; – Software as part of hardware specifically intended for health use; – Software as a medical device (SaMD); and – Software-only PRODUCT for other health use. Note: In this document, the scope of software considered part of the LIFE CYCLE ACTIVITIES for secure HEALTH SOFTWARE is larger and includes more software (drivers, platforms, operating systems) than for SAFETY, because for SECURITY the focus will be on any use including foreseeable unauthorized access rather than just the INTENDED USE. [Fig. 2] 1.3 Conformance HEALTH SOFTWARE conformance with this document is defined as implementing all of the PROCESSES, ACTIVITIES, and TASKS identified in the normative parts of this document - with the exception of Annex F. Conformance of TRANSITIONAL HEALTH SOFTWARE with Annex F of this document is defined as only implementing the PROCESSES, ACTIVITIES, and TASKS identified in Annex F of this document. Conformance is determined by inspection and establishing traceability of the PROCESSES, ACTIVITIES and TASKS required. The quality management system may be implemented according to ISO 13485 or other equivalent quality management system standards. IEC 62304 specifies ACTIVITIES, based on the software SAFETY classification. The required ACTIVITIES are indicated in the normative text of IEC 62304 as "[Class A, B, C]", "[Class B, C]" or "[Class C]", indicating that they are required selectively depending on the classification of the software to which they apply. The requirements in this document have a special focus on information SECURITY and therefore do not follow the concept of SAFETY classes. For conformity to this document the selection of ACTIVITIES is independent of SAFETY classes. Implementing the PROCESSES, ACTIVITIES and TASKS specified in this document is sufficient to implement the PROCESS requirements of IEC 62443-4-1. MANUFACTURERS may implement the specifications for Annex E in order to achieve full conformity to IEC 62443-4-1. This document requires establishing one or more PROCESSES that comprise of identified ACTIVITIES. The LIFE CYCLE PROCESSES shall implement these ACTIVITIES. None of the requirements in this document requires to implement these ACTIVITIES as one single PROCESS or as separate PROCESSES. The ACTIVITIES specified in this document will typically be part of an existing LIFE CYCLE PROCESS.

Keel: en

Alusdokumendid: IEC 81001-5-1:202X; prEN IEC 81001-5-1:2020

Arvamusküsitluse lõppkuupäev: 12.02.2021

43 MAANTEESÕIDUKITE EHITUS

prEN 12806

LPG equipment and accessories - Automotive liquefied petroleum gas components - Other than containers

This document specifies the general design and testing requirements for all components, in automotive Liquefied Petroleum Gas (LPG) propulsion systems, which have a working pressure equal to or greater than 20 kPa. This document also specifies the requirements for the Electric Control Unit (ECU), which is not subjected to pressure, and the gas-tight housing which has a working pressure below 20 kPa. This document excludes containers.

Keel: en

Alusdokumendid: prEN 12806

Asendab dokumenti: EVS-EN 12806:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12979

LPG equipment and accessories - Automotive LPG-systems - Installation requirements

This European Standard specifies the requirements for the installation of automotive LPG components that comply with prEN 12805 and prEN 12806. These requirements are to ensure safe operation of such components. This standard does not cover type approval of a LPG motor vehicle. NOTE Type approval requirements are covered in UN/ECE Regulations and EU legislation.

Keel: en

Alusdokumendid: prEN 12979

Asendab dokumenti: EVS-EN 12979:2002

Arvamusküsitluse lõppkuupäev: 12.02.2021

45 RAUDTEETEHNIKA

prEN 50388-1

Railway Applications - Fixed installations and rolling stock - Technical criteria for the coordination between electric traction power supply systems and rolling stock to achieve interoperability - Part 1: General

This European Standard establishes requirements for the compatibility of rolling stock with infrastructure particularly in relation to: – co-ordination of protection principles between power supply and traction units, especially fault discrimination for short-circuits; – co-ordination of installed power on the line and the power demand of trains; – co-ordination of traction unit regenerative braking and power supply receptivity; – co-ordination of harmonic behaviour. This European Standard deals with the definition and quality requirements of the power supply at the interface between traction units and fixed installations. This European Standard specifies the interface between rolling stock and electrical fixed installations for traction, in respect of the power supply system. The interaction between pantograph and overhead contact line is dealt with in EN 50367. The interaction with the “control-command” subsystem (especially signalling) is not dealt with in this standard. Requirements are given for TSI lines (both high speed and conventional) and classical lines. For classical lines, values, where given, are for the existing European networks. Furthermore the maximum values that are specified are applicable to the foreseen developments of the infrastructure of the Trans European rail networks. The following electric traction systems are within scope: – railways; – guided mass transport systems that are integrated with railways; – material transport systems that are integrated with railways. This European Standard does not apply retrospectively to rolling stock already in service. Information is given on electrification parameters such as to enable train operating companies to confirm, after consultation with the rolling stock manufacturers, that there will be no consequential disturbance on the electrification system.

Keel: en

Alusdokumendid: prEN 50388-1

Asendab dokumenti: EVS-EN 50388:2012

Asendab dokumenti: EVS-EN 50388:2012/AC2:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

49 LENNUNDUS JA KOSMOSETEHNIKA

FprEN 4566

Aerospace series - Heat resisting alloy CO-PH4101 (CoCr20W15N1) -Vacuum melted - Solution treated - Forgings - De ≤ 100 mm

This document specifies the requirements relating to: Heat resisting alloy CO-PH4101 (CoCr20W15Ni) Vacuum melted Solution treated Forgings De ≤ 100 mm for aerospace applications.

Keel: en

Alusdokumendid: FprEN 4566

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 2287

Aerospace series - Bush, plain, in corrosion resisting steel with self-lubricating liner - Dimensions and loads

This European Standard specifies the characteristics of plain bushes in corrosion resisting steel with self-lubricating liner and the design recommendation of shafts and housings. The bushes are intended for operation within the temperature range of -55 °C to 163 °C and assembly with an interference fit into fixed and moving aerospace parts.

Keel: en

Alusdokumendid: prEN 2287

Asendab dokumenti: EVS-EN 2287:2017

Arvamusküsitluse lõppkuupäev: 13.01.2021

prEN 2876

Aerospace series - Nuts, hexagon, plain, reduced height, normal across flats, in aluminium alloy, anodized - Classification: 450 MPa (at ambient temperature)/120 °C

This European standard specifies the characteristics of hexagonal plain nuts, reduced height, normal across flats, in aluminium alloy, anodized, for aerospace applications. Classification: 450 MPa /120 °C .

Keel: en

Alusdokumendid: prEN 2876

Asendab dokumenti: EVS-EN 2876:2019

Arvamusküsitluse lõppkuupäev: 13.01.2021

prEN 3434

Aerospace series - Nuts, hexagon, slotted/castellated, self-locking, in steel, cadmium plated, MoS2 lubricated - Classification: 900 MPa (at ambient temperature)/235 °C

This standard specifies characteristics of self-locking hexagonal slotted/castellated nuts, in steel, cadmium plated, MoS2 lubricated, for aerospace applications. Classification: 900 MPa /235 °C.

Keel: en

Alusdokumendid: prEN 3434

Arvamusküsitluse lõppkuupäev: 13.01.2021

prEN 4709-002

Aerospace series - Unmanned Aircraft Systems - Part 002: Direct Remote identification

This document will provide means of compliance to cover the "Direct Remote Identification" system for UA of the "open Category". This document applies to Class 1 to Class 3 and Add-On. The "direct remote identification" means a system that ensures the local broadcast of information about a UA in operation. More specifically, this document will address drone capability to be identified during the whole duration of the flight, in real time and with no specific connectivity or ground infrastructure link, by existing mobile devices when within the broadcasting range. Such functionality, based on an open and documented transmission protocol (described in this document) and developed for security purposes and social acceptance, can be used by law enforcement people, critical infrastructure managers, and general public to get an instantaneous information on the drone flying around, providing various information such as UA identifier, UA navigation data and operational status, UAS Operator identifier and position as defined in the Delegated Regulation (EU) 2019/945.

Keel: en

Alusdokumendid: prEN 4709-002

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 4709-003

Aerospace series - Unmanned Aircraft Systems - Part 003: Geo-awareness requirements

This document provides means of compliance of the function "Geo-awareness" specified in Parts 2 to 4 of the Commission Delegated Regulation (EU) 2019/945 of 12 March 2019 on unmanned aircraft intended for use in the "open" category, and on third-country operators of unmanned aircraft systems and its annex. The Geo-awareness is specified in Part 2 – articles (13) and (14) for Class 1 UASs, in Part 3 – articles (15) and (16) for Class 2 UASs and in Part 4 – articles (10) and (11) for Class 3 UASs. This document specifies the minimum performance expected from this Geo-awareness function, without prescribing its design and implementation as far as possible. Compliance with this document is recommended as one means of assuring that the Function will perform its intended sub-functions satisfactorily under all conditions normally encountered in routine aeronautical operation. NOTE In the rest of the document, we will use "Function" to mean the object of this specification, and equipment to identify the entity implementing this Function in whatever form.

Keel: en

Alusdokumendid: prEN 4709-003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 4709-004

Aerospace series - Unmanned Aircraft Systems - Part 004: Lighting requirements

This document will provide means of compliance to cover lighting related requirements for Part 2 to 4 of the Annex to the Commission Delegated Regulation on unmanned aircraft and on third country UAS operators. The purpose is to be able to verify that an UA is equipped with lights which: — ensure controllability of the UA. — ensure conspicuity of the aircraft at night, the design of the light shall allow a person on the ground to distinguish a UA from a manned aircraft. This document addresses: — definition of types, technical requirements, and technical parameters of UA lights (e.g. position of lights for different UA categories, intensity for different operation modes). — definition of purpose, test procedures, requirements, and compliance rules to evaluate UA lights.

Keel: en

Alusdokumendid: prEN 4709-004

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 6052

Aerospace series - Rivet-collar-system, aluminium alloy, shear type, inch series - Technical Specification

This document defines the requirements for qualification, acceptance, delivery and inspection of 100° countersunk head, 100° countersunk reduced head and protruding head close tolerance pins, shear type in aluminium alloy 7050T73 and collars of aluminium alloy 3003 and of aluminium alloy 6061T7 for use as permanent fasteners in aerospace applications.

Keel: en

Alusdokumendid: prEN 6052

Arvamusküsitluse lõppkuupäev: 12.02.2021

53 TÕSTE- JA TEISALDUS-SEADMED

prEN 1757

Safety of industrial trucks - Pedestrian controlled manual platform trucks

8. Scope 1.1 This European Standard applies to pedestrian propelled industrial platform trucks as defined in clause 3.1 with a rated capacity up to and including 500 kg, hereinafter referred to as "trucks" and designed for general purposes. 1.2 This standard does not apply to: - shopping trolleys referred to in EN 1929 Parts 1 to 6 (CEN/TC 291); - roll containers referred to in EN 12674 Parts 1 to 4 (CEN/TC 261); - trucks that are intended to be towed by powered vehicles, e.g. milk-run-trains/train of trailers/Routenzüge. 1.3 This standard deals with the technical requirements to minimise the hazards listed in clause 4 which can arise during commissioning, operation and maintenance of trucks when carried out in accordance with the specifications as intended by the manufacturer. 1.4 This standard does not establish the additional requirements for: - operation in severe conditions (e.g. extreme environmental conditions such as: freezer applications, high temperatures, corrosive environment); - operation subject to special rules (e.g. potentially explosive atmospheres); - handling of loads the nature of which could lead to dangerous situations (e.g. molten metal, acids/alkalies, radiating materials, specially brittle loads); - hazards occurring during construction, transportation, decommissioning and disposal; - direct contact with foodstuffs; - operation on gradients or on surfaces other than smooth, level, hard surfaces; - trucks designed for special applications : trucks used in hospitals, dinner, trolley; - trucks fitted with hinged or sliding doors. 1.5 Other possible limitations of the scope of other standards referred to that also apply to this standard. 1.6 Hazards relevant to visibility and static electricity are not dealt with in this standard.

Keel: en

Alusdokumendid: prEN 1757

Asendab dokumenti: EVS-EN 1757-3:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN ISO 340

Conveyor belts - Laboratory scale flammability characteristics - Requirements and test method (ISO/DIS 340:2020)

This International Standard specifies a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

Keel: en

Alusdokumendid: ISO/DIS 340; prEN ISO 340

Asendab dokumenti: EVS-EN ISO 340:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

67 TOIDUAINETE TEHNOLOOGIA

prEN ISO 6321

Animal and vegetable fats and oils - Determination of melting point in open capillary tubes (slip point) (ISO/DIS 6321:2020)

This document specifies two methods for the determination of the melting point in open capillary tubes, commonly known as the slip point, of animal and vegetable fats and oils (referred to as fats hereinafter). — Method A is only applicable to animal and vegetable fats which are solid at ambient temperature and which do not exhibit pronounced polymorphism. — Method B is applicable to all animal and vegetable fats which are solid at ambient temperature, and is the method to be used for fats whose polymorphic behaviour is unknown. A method for the determination of the melting point of palm oil samples is given in Annex A. NOTE 1 If applied to fats with pronounced polymorphism, method A will give different and less satisfactory results than method

B. NOTE 2 Fats which exhibit pronounced polymorphism are principally cocoa butter and fats containing appreciable quantities of 2-unsaturated, 1,3-saturated triacylglycerols.

Keel: en

Alusdokumendid: ISO/DIS 6321; prEN ISO 6321

Asendab dokumenti: EVS-EN ISO 6321:2002

Arvamusküsitluse lõppkuupäev: 12.02.2021

71 KEEMILINE TEHNOLOOGIA

FprEN IEC 61010-2-091:2018/prAA

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

1 Scope and object This clause of Part 1 is applicable, except as follows: 1.1 Scope 1.1.1 Equipment included in scope Deletion: Delete the first paragraph. Replacement: Replace the second paragraph (above items a) to c)) with the following new text: This part of IEC 61010 specifies particular safety requirements for cabinet X-ray systems, which fall under any of categories a), b) or c) below. Addition: Add the two following new paragraphs at the end of the subclause: Equipment covered by this document can be both PROTECTED EQUIPMENT or PARTIALLY PROTECTED EQUIPMENT, with X-ray generator voltage up to 500 kV. A cabinet X-ray system is a system that contains an X-ray tube installed in a cabinet, which, independently of existing architectural structures except the floor on which it may be placed, is intended to contain at least that portion of a material being irradiated, provide radiation attenuation and prevent operator access to the radiation beam, during generation of X-radiation. These cabinet X-ray systems are used in industrial, commercial, and public environments, for example, to inspect materials, to analyse materials, and to screen baggage. 1.1.2 Equipment excluded from scope Addition: Add the following new items to the list: aa) Equipment intended to apply X-radiation to humans or animals; bb) Equipment incorporating an X-ray tube but not incorporating complete shielding against X-radiation HAZARDS, such as: – equipment intended to be used within a shielded room which excludes personnel during operation; – equipment intended to be used with separate portable or temporary shielding; – equipment intended to produce an emerging beam of X-radiation. 1.2 Object 1.2.1 Aspects included in scope Addition: Add the following new text to the end of the first paragraph: This part of IEC 61010 specifies requirements for the design and methods of construction of cabinet X-ray systems to provide adequate protection for OPERATORS, bystanders, trained service personnel and the surrounding area against unintentionally-emitted X-radiation and from mechanical HAZARDS related to their conveyors.

Keel: en

Alusdokumendid: FprEN IEC 61010-2-091:2018/prAA

Muudab dokumenti: prEN 61010-2-091:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 61010-2-051:2017/prAA

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring

1 Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the text, except the first paragraph, with the following new text: This part of IEC 61010 is applicable to electrically operated laboratory equipment and its accessories for mechanical mixing and stirring, where mechanical energy influences the shape or size or homogeneity of materials and their accessories. Such devices can contain heating elements. NOTE If all or part of the equipment falls within the scope of one or more other Part 2 standards of the IEC 61010 series as well as within the scope of this document, consideration is given to those other Part 2 standards. The standard for equipment which contains heating devices is IEC 61010-2-010.

Keel: en

Alusdokumendid: prEN 61010-2-051:2017/prAA

Muudab dokumenti: prEN 61010-2-051:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 61010-2-061:2017/prAA

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization

Common modification to prEN 61010-2-061:2017

Keel: en

Alusdokumendid: prEN 61010-2-061:2017/prAA

Muudab dokumenti: prEN 61010-2-061:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

77 METALLURGIA

EN 1706:2020/prA1:2020

Aluminium and aluminium alloys - Castings - Chemical composition and mechanical properties

This document specifies the chemical composition limits for aluminium casting alloys and mechanical properties of separately cast test pieces for these alloys. Annex C is included as a guide to the selection of alloys for a specific use or process. This document is intended to be used in conjunction with EN 576, EN 1559-1, EN 1559-4, EN 1676 and EN ISO 8062-3.

Keel: en

Alusdokumendid: EN 1706:2020/prA1:2020

Muudab dokumenti: EVS-EN 1706:2020

Arvamusküsitluse lõppkuupäev: 12.02.2021

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 16396-2

Plastics - Polyamide (PA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO/DIS 16396-2:2020)

This document specifies the methods of preparation of test specimens and the test methods to be used in determining the properties of polyamide moulding and extrusion materials. Requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing are given. Procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made are given. Properties and test methods that are suitable and necessary to characterize polyamide moulding and extrusion materials are listed. The properties have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for, or of particular significance to, these moulding and extrusion materials are also included in this document, as are the designatory properties viscosity number and tensile modulus of elasticity given in ISO 16396-1.

Keel: en

Alusdokumendid: ISO/DIS 16396-2; prEN ISO 16396-2

Asendab dokumenti: EVS-EN ISO 16396-2:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

91 EHITUSMATERJALID JA EHITUS

EN ISO 15874-3:2013/prA2

Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings - Amendment 2 (ISO 15874-3:2013/DAM 2:2020)

Amendment to EN ISO 15874-3:2013

Keel: en

Alusdokumendid: ISO 15874-3:2013/DAMd 2; EN ISO 15874-3:2013/prA2

Muudab dokumenti: EVS-EN ISO 15874-3:2013

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15875-3:2003/prA2

Plastics piping systems for hot and cold water installations - Crosslinked polyethylene (PE-X) - Part 3: Fittings - Amendment 2 (ISO 15875-3:2003/DAM 2:2020)

Amendment to EN ISO 15875-3:2003

Keel: en

Alusdokumendid: ISO 15875-3:2003/DAMd 2; EN ISO 15875-3:2003/prA2

Muudab dokumenti: EVS-EN ISO 15875-3:2004

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15876-3:2017/prA2

Plastics piping systems for hot and cold water installations - Polybutene (PB) - Part 3: Fittings - Amendment 2 (ISO 15876-3:2017/DAM 2:2020)

Amendment to EN ISO 15876-3:2017

Keel: en

Alusdokumendid: ISO 15876-3:2017/DAMd 2; EN ISO 15876-3:2017/prA2

Muudab dokumenti: EVS-EN ISO 15876-3:2017

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 15877-3:2009/prA2

Plastics piping systems for hot and cold water installations - Chlorinated poly(vinyl chloride) (PVC-C) - Part 3: Fittings - Amendment 2 (ISO 15877-3:2009/DAM 2:2020)

Amendment to EN ISO 15877-3:2009

Keel: en

Alusdokumendid: ISO 15877-3:2009/DAMd 2; EN ISO 15877-3:2009/prA2

Muudab dokumenti: EVS-EN ISO 15877-3:2009

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 21003-3:2008/prA1

Multilayer piping systems for hot and cold water installations inside buildings - Part 3: Fittings - Amendment 1 (ISO 21003-3:2008/DAM 1:2020)

Amendment to EN ISO 21003-3:2008

Keel: en

Alusdokumendid: ISO 21003-3:2008/DAMd 1; EN ISO 21003-3:2008/prA1

Muudab dokumenti: EVS-EN ISO 21003-3:2008

Arvamusküsitluse lõppkuupäev: 12.02.2021

EN ISO 22391-3:2009/prA2

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 2 (ISO 22391-3:2009/DAM 2:2020)

Amendment to EN ISO 22391-3:2009

Keel: en

Alusdokumendid: ISO 22391-3:2009/DAMd 2; EN ISO 22391-3:2009/prA2

Muudab dokumenti: EVS-EN ISO 22391-3:2010

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 1529

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

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

Keel: en

Alusdokumendid: prEN 1529

Asendab dokumenti: EVS-EN 1529:2000

Arvamusküsitluse lõppkuupäev: 12.02.2021

93 RAJATISED

EN ISO 22391-3:2009/prA2

Plastics piping systems for hot and cold water installations - Polyethylene of raised temperature resistance (PE-RT) - Part 3: Fittings - Amendment 2 (ISO 22391-3:2009/DAM 2:2020)

Amendment to EN ISO 22391-3:2009

Keel: en

Alusdokumendid: ISO 22391-3:2009/DAMd 2; EN ISO 22391-3:2009/prA2

Muudab dokumenti: EVS-EN ISO 22391-3:2010

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12697-15

Bituminous mixtures - Test methods - Part 15: Determination of the segregation sensitivity

This document specifies a test method for the determination of the mixing quality and the tendency of segregation in composition of hot bituminous mixtures. This test method is considered suitable for mix-design purposes and for client information. NOTE This test method is based on hot bituminous mixtures. There is no experience for other types of bituminous mixtures, e.g. asphalt concrete with bituminous emulsions.

Keel: en

Alusdokumendid: prEN 12697-15

Asendab dokumenti: EVS-EN 12697-15:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12697-36

Bituminous mixtures - Test methods - Part 36: Determination of the thickness of bituminous pavement

This document describes two test methods for determining the thickness of bituminous pavement. The first method describes measurements carried out on one or more cores which have been drilled from the full depth of the slab or road structure (destructive method). The second method electro-magnetic (non-destructive) measurement are used.

Keel: en

Alusdokumendid: prEN 12697-36

Asendab dokumenti: EVS-EN 12697-36:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12697-38

Bituminous mixtures - Test methods - Part 38: Common equipment and calibration

This document specifies general requirements for common test equipment, calibration procedures and reagents for the testing of bituminous materials in the EN 12697 series of standards. NOTE 1 This document makes use by reference of the requirements for common equipment and calibration prepared for aggregates. NOTE 2 Bodies providing accreditation of test equipment may need to consider alternative requirements and/or calibration frequencies in order to cover the possibilities of National Health & safety, regulatory and legislative requirements. Advice is also given on recommendations for laboratory management (Annex A), on the accuracy of measurement (Annex B) and on the rounding of values for reported results (Annex C).

Keel: en

Alusdokumendid: prEN 12697-38

Asendab dokumenti: EVS-EN 12697-38:2004

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12697-41

Bituminous mixtures - Test methods - Part 41: Resistance to de-icing fluids

This document specifies a test method to determine the resistance of bituminous materials to de-icing fluids such as solutions of acetate and formate. The procedure determines the surface tensile strength of a specimen of asphalt which has been stored in de-icing fluid. This document is primarily used as a test on asphalt to be laid on airfields, but it can be used for asphalt to be laid on roads or other paved areas.

Keel: en

Alusdokumendid: prEN 12697-41

Asendab dokumenti: EVS-EN 12697-41:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 12697-7

Bituminous mixtures - Test methods - Part 7: Determination of the bulk density of bituminous specimens by gamma rays

This document specifies a method for measuring the bulk density of pavement mixtures using a transmission-type gamma radiation test bench. This method applies to cylindrical specimens or blocks, prepared in a laboratory or cut from a pavement, the thickness and the mass absorption coefficient which is a function of the chemical composition are known. The thickness of the specimen body traversed by the radiation shall be between 30 mm and 300 mm. The method cannot be applied to materials containing slags, with variable metal content or chemical composition. NOTE Material containing metal or chemical compositions can affect the absorption of gamma rays.

Keel: en

Alusdokumendid: prEN 12697-7

Asendab dokumenti: EVS-EN 12697-7:2014

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13286-1

Unbound and hydraulically bound mixtures - Part 1: Test methods for laboratory reference density and water content - Introduction, general requirements and sampling

This document specifies a number of test methods for the determination of the relationship between the water content and the density of unbound and hydraulically bound mixtures under specified test conditions. The test results provide an estimate of the mixture density that can be achieved and provides a reference parameter for assessing the density of the compacted layer of the mixture. The test results are used as a basis for specifying requirements for hydraulically bound and unbound mixtures. The test result also allows a conclusion to be drawn as to the water content at which a mixture can be satisfactorily compacted in order to achieve a given density.

Keel: en

Alusdokumendid: prEN 13286-1

Asendab dokumenti: EVS-EN 13286-1:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13286-4

Unbound and hydraulically bound mixtures - Part 4: Test methods for laboratory reference density and water content - Vibrating hammer

This document specifies a method for the determination of the relationship between the dry density and water content of a mixture using vibrating hammer compaction. This document applies to mixtures which contain no more than 10 % by mass of the mixture retained on the 40 mm test sieve. This document also describes the procedure for calculating and plotting the curves corresponding to 0, 5 and 10 % air voids.

Keel: en

Alusdokumendid: prEN 13286-4

Asendab dokumenti: EVS-EN 13286-4:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13286-41

Unbound and hydraulically bound mixtures - Part 41: Test method for the determination of the compressive strength of hydraulically bound mixtures

This document describes a test method for the determination of the compressive strength of specimens of hydraulically bound mixtures. This document applies to specimens manufactured in the laboratory or prepared from cores.

Keel: en

Alusdokumendid: prEN 13286-41

Asendab dokumenti: EVS-EN 13286-41:2003

Arvamusküsitluse lõppkuupäev: 12.02.2021

prEN 13286-47

Unbound and hydraulically bound mixtures - Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling

This document specifies the test methods for the laboratory determination of the California bearing ratio and immediate bearing index. The tests are appropriate to that part of the mixture up to a maximum particle size of 22,4 mm. When immersion in water is specified as part of the curing of the specimen, this document also includes the determination of vertical swelling of the specimen before the determination of the California bearing ratio.

Keel: en

Alusdokumendid: prEN 13286-47

Asendab dokumenti: EVS-EN 13286-47:2012

Arvamusküsitluse lõppkuupäev: 12.02.2021

97 OLME. MEELELAHUTUS. SPORT

prEN ISO 4918

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

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

Keel: en

Alusdokumendid: ISO 4918:2016/Amd 1:2018; ISO 4918:2016; prEN ISO 4918

Asendab dokumenti: EVS-EN 425:2002

Arvamusküsitluse lõppkuupäev: 12.02.2021

TÖLKED KOMMENTEERIMISEL

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

Tõlkekavanditega saab tutvuda ja kommentaare esitada Standardikeskuse veebilehel asuvas kommenteerimisportaalil: <https://www.evs.ee/kommenteerimisportaal/>

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

EVS-EN 378-1:2016+prA1

Külmutussüsteemid ja soojuspumbad. Ohutus- ja keskkonnanõuded. Osa 1: Põhinõuded, määratlused, klassifikatsioon ja valikukriteeriumid

See Euroopa standard määrab inimeste ja varaga seotud ohutusnõuded, annab juhised keskkonnakaitseks ja kehtestab jahutussüsteemide toimimise, hooldamise ja parandamise ning külmaainete taaskasutamise korra. Selles Euroopa standardis kasutatud mõiste „külmutussüsteem“ hõlmab ka soojuspumpasid. See standardi EN 378 osa sätestab külmutussüsteemide klassifikatsiooni ning valikukriteeriumid. Neid klassifikatsioone ja valikukriteeriume kasutatakse osades 2, 3 ja 4. Seda standardit kohaldatakse: a) igas suuruses statsionaarsetele või mobiilsetele külmutussüsteemidele, v.a sõidukite kliimaseadmetele, mida käsitletakse konkreetse tootestandardiga, nt ISO 13043; b) sekundaarsetele jahutus- või küttesüsteemidele; c) külmutussüsteemide asukohale; d) pärast käesoleva standardi vastuvõtmist asendatud osadele ja lisatud detailidele, kui need ei ole funktsiooni ja võimsuse poolest identsed; Süsteeme, kus kasutatakse külmaaineid, mida pole lisatud antud Euroopa standardi lisa E loetellu, selles suuruses ei käsitleta. Lisa C täpsustab, kuidas määrata kindlaks ruumis lubatud külmaaine kogus, mille ületamisel on ohu vähendamiseks nõutavad täiendavad kaitsemeetmed. Lisas E on täpsustatud kriteeriumid erinevate külmutus- ja kliimaseadmetes kasutatavate külmaainete ohutus- ja keskkonnanõuetele. See standard ei ole rakendatav külmutussüsteemidele ja soojuspumpadele, mis on toodetud enne selle avaldamist Euroopa standardina, välja arvatud süsteemi lisadele ja modifikatsioonidele, mis rakendati avaldamisjärgselt. See standard on kohaldatav uutele külmutussüsteemidele, olemasolevate süsteemide modifikatsioonidele ja laiendustele ning olemasolevatele statsionaarsetele süsteemidele, mida paigutatakse ümber ja kasutatakse teises kohas. See standard rakendub ka juhul, kui süsteemis vahetatakse külmaaine tüüpi; sel juhul tuleb hinnata ka vastavust standardi osadele 1–4. Külmutussüsteemide tootepere ohutuse standardid on ülilmslikud sama teemat käsitlevate turuülest ja üldstandardite suhtes.

Keel: et

Alusdokumendid: EN 378-1:2016+A1:2020

Kommenteerimise lõppkuupäev: 13.01.2021

EVS-EN 378-3:2016+prA1

Külmutussüsteemid ja soojuspumbad. Ohutus- ja keskkonnanõuded. Osa 3: Paigalduskoht ja isikukaitsevahendid

See Euroopa standard määratleb inimeste ja vara ohutusnõuded, jagab keskkonnakaitsejuhiseid ning sätestab külmutussüsteemide kasutamise, hoolduse ja remondi ning külmaainete utiliseerimise toimingud. Selles Euroopa standardis kasutatav termin „külmutussüsteem“ hõlmab soojuspumpasid. See Euroopa standardi 3. osa kehtib paigalduskoha kohta (seadmestiku jaoks vajalik ruum ja teenindus). See standard määrab paigalduskohale esitatavad ohutusnõuded, mis võivad olla vajalikud külmutussüsteemi ja selle abikomponentide tõttu, kuid ei pruugi olla nendega otseselt seotud. Standard kehtib alljärgneva kohta: a) igas suuruses paiksed ja mobiilsed külmutussüsteemid, v.a sõidukite õhukonditsioneerid, millele kehtib spetsiifiline tootestandard, nt ISO 13043; b) sekundaarsed jahutus- või küttesüsteemid; c) külmutussüsteemide asukoht; d) pärast selle standardi kehtestamist asendatud osad ja lisatud komponendid, juhul kui need ei ole funktsiooni ning tootlikkuse poolest identsed. Standard ei kehti selliste süsteemide kohta, milles kasutatakse muid külmaained peale standardi EN 378-1:2016 lisa E toodute. See standard ei kehti ladustatavate kaupade kohta. Standard ei kehti külmutussüsteemide kohta, mis toodeti enne selle Euroopa standardi avaldamiskuupäeva, v.a süsteemi laiendused ja muudatused, mis tehti pärast standardi avaldamist. See standard kehtib uute külmutussüsteemide ja olemasolevate süsteemide laienduste või muudatuste kohta ning olemasolevate paiksete süsteemide kohta, mis viiakse mujale ja mida kasutatakse teises kohas. Standard kehtib ka juhul, kui süsteem muudetakse teisele külmaaine tüübile sobivaks. Sel juhul tuleb hinnata vastavust standardi osade 1 kuni 4 asjakohastele sätetele.

Keel: et

Alusdokumendid: EN 378-3:2016+A1:2020

Kommenteerimise lõppkuupäev: 13.01.2021

EVS-EN 50549-1:2019

Nõuded jaotusvõrkudega paralleelselt ühendatud tootmiseseadmetele. Osa 1: Ühendus madalpinge jaotusvõrguga. Tootmiseseadmed kuni ja kaasa arvatud tüüp B

See dokument täpsustab tehnilisi nõudeid madalpinge jaotusvõrkudega paralleelselt talitlemiseks mõeldud tootmiseseadmete kaitsefunktsioonidele ja talitluslikule võimekusele. Praktilistel põhjustel osutab see dokument vastutavale osapoolle seal, kus nõuded tuleb määratleda teise osalise poolt, kui jaotusvõrguettevõtja nt vastavalt õiguslikule raamistikule põhivõrguettevõtja, liikmesriik, regulaatorid. Tavaliselt informeerib nendest nõuetest tootjat jaotusvõrguettevõtja. MÄRKUS 1 See hõlmab Euroopa võrgueeskirju ja nende riiklikku rakendamist, samuti täiendavaid riiklikke määrusi. MÄRKUS 2 Täiendavalt võivad rakendada riiklikud nõuded eriti jaotusvõrguga liitumisele ja tootmiseseadme talitlemisele. Selle Euroopa standardi nõuded kehtivad sõltumata energiaallika liigist ja olenemata koormuste olemasolust tootja võrgus tootmiseseadmetele, tootismoodulitele, elektrimasinatele ja elektroonikaseadmetele, mis vastavad kõikidele järgmistele tingimustele: — muundavad mis tahes energiaallika vahelduvvoolu elektriks; — vastavalt Komisjoni määrusele (EL) 2016/631 B-tüüpi või väiksema võimsusega tootismoodulid

arvestades ka riiklikul tasemel otsust võimsuse piiridele A- ja B-tüüpi ning B- ja C-tüüpi vahel; — ühendatud ja talitleb paralleelselt vahelduvvoolu madalpinge jaotusvõrguga. MÄRKUS 3 Keskpinge jaotusvõrguga ühendatud tootmisseedmed kuuluvad standardi EN 50549-2 käsitluslasse. MÄRKUS 4 Käsitletakse ka elektrienergia salvestussüsteeme, mis vastavad ülaltoodud tingimustele. Kui ühte tootmisseedmesse on ühendatud erinevat tüüpi (A või B) tootismooduleid, siis lähtuvalt erinevate moodulite tüübiga rakenduvad nendele erinevad nõuded. NÄIDE Kui tootmisseedme koosneb mitmest tootismoodulist (vt 3.2.1), vastavalt Komisjoni määrusele (EL) 2016/631, võib esineda olukord, kus mõned tootismoodulid on A-tüüpi ja mõned on B-tüüpi. Kui jaotusvõrguettevõtja ja vastutav osapool ei ole määranud teisiti, võivad keskpinge jaotusvõrguga ühendatud tootmisseedmed, maksimaalse näivvõimsusega kuni 150 kVA, olla vastavuses selle Euroopa standardiga alternatiivselt standardis EN 50549-2 esitatud nõuetele. Jaotusvõrguettevõtja ja vastutava osapool võivad määratleda teise lävepiiri. See dokument tunnistab liikmesriigis jaotusvõrguettevõtja või teise vastutava osapooli konkreetsemate tehniliste nõuete (nt võrgueeskirjad) olemasolu ja neid tuleb järgida. Käsitlusalast on välja jäetud: • liitumispunkti valik ja hindamine; • elektrisüsteemi mõjude hindamine, nt elektri kvaliteedi mõjude hindamine, kohalik pingetõus, mõju liinikaitse rakendamisele; • liitumise hindamine; liitumise planeerimise osana teostatavad tehnilised vastavuse analüüsid; • tootmisseedmete saartalitus, nii tahtlik kui ka tahtmatu, kus ei ole hõlmatud ükski jaotusvõrgu osa; • ajamite nelja-kvadrantilised alaldid, mis suunavad pidurdusenergiat tagasi jaotusvõrgu piiratud aja jooksul ja mis ei oma sisemist primaarenergiat allikat; • katkematud toiteallikad, mille paralleeltalitus on piiratud 100 ms; MÄRKUS 5 Katkematu toiteallika hooldusest tingitud paralleeltalitlust ei käsitleta katkematu toiteallika normaaltalitlusena ja seetõttu ei käsitleta seda käesolevas dokumendis. • personali ohutuse nõuded, kuna need on juba olemasolevate Euroopa standarditega küllaldaselt kaetud. • tootmisüksuse, -mooduli või -seedme ühendamine alalisvooluvõrguga.

Keel: et

Alusdokumendid: EN 50549-1:2019

Kommenteerimise lõppkuupäev: 13.01.2021

EVS-EN 17124:2018

Vesinikkütus. Toote spetsifikatsioon ja kvaliteedi tagamine. Polümeerelektrolüütmembraaniga (PEM) kütuseelemendi rakendused maanteesõidukitele

Selles dokumendis määratakse kindlaks vesinikkütuse kvaliteediomadused ja vastav kvaliteedi tagamine, et tagada polümeerelektrolüütmembraaniga (PEM) kütuseelemendiga maanteesõidukite süsteemidele väljastatava vesinikutoote ühtsus.

Keel: et

Alusdokumendid: EN 17124:2018

Kommenteerimise lõppkuupäev: 13.01.2021

prEN ISO 17225-2

Tahked biokütused. Kütuste spetsifikatsioonid ja klassid. Osa 2: Sorteeritud puitgraanulid

Selles dokumendis määratakse kindlaks mittetööstuslikuks ja tööstuslikuks kasutamiseks mõeldud puitgraanulite kütuse kvaliteediklassid ja spetsifikatsioonid. Dokument hõlmab üksnes järgmistest toorainetest toodetud puitgraanuleid (vt ISO 17225 1:2020, tabel 1): — 1.1 Mets, istandikud ja muu töötlemata (esmane) puit; — 1.2 Puidutöötlemistööstuse kõrvalsaadused ja jäägid (jäätmad); — 1.3.1 Keemiliselt töötlemata kasutatud puit. Selle dokumendi käsitlusalasse ei kuulu termiliselt töödeldud biomassi graanulid (nt röstitud graanulid). Röstimine (torrefitseerimine) on biomassi kerge eeltöötlus temperatuuril 200 °C kuni 300 °C.

Keel: et

Alusdokumendid: ISO/DIS 17225-2; prEN ISO 17225-2

Kommenteerimise lõppkuupäev: 13.01.2021

prEN ISO 17225-3

Tahked biokütused. Kütuste spetsifikatsioonid ja klassid. Osa 3: Sorteeritud puitbriketid

Selles dokumendis määratakse kindlaks puidubriketi kütuse kvaliteediklassid ja spetsifikatsioonid. Dokument hõlmab üksnes järgmistest toorainetest toodetud puidubriketti (vt ISO 17225 1, tabel 1): — 1.1 Mets, istandikud ja muu töötlemata (esmane) puit — 1.2 Puidutöötlemistööstuse kõrvalsaadused ja jäägid (jäätmad) — 1.3.1 Keemiliselt töötlemata kasutatud puit MÄRKUS Selle dokumendi käsitlusalasse ei kuulu termiliselt töödeldud biomassi briketti (nt röstitud briketti). Röstimine (torrefitseerimine) on biomassi kerge eeltöötlus temperatuuril 200 °C kuni 300 °C.

Keel: et

Alusdokumendid: ISO/DIS 17225-3; prEN ISO 17225-3

Kommenteerimise lõppkuupäev: 13.01.2021

prEN ISO 17225-4

Tahked biokütused. Kütuste spetsifikatsioonid ja klassid. Osa 4: Sorteeritud hakkpuit

Selles dokumendis määratakse kindlaks puiduhakke kütuse kvaliteediklassid ja spetsifikatsioonid. Dokument hõlmab üksnes järgmistest toorainetest toodetud hakkpuitu (vt ISO 17225-1, tabel 1): • 1.1 Mets, istandikud ja muu töötlemata (esmane) puit; • 1.2 Puidutöötlemistööstuse kõrvalsaadused ja jäägid (jäätmad); • 1.3.1 Keemiliselt töötlemata kasutatud puit. See dokument hõlmab üksnes hakkpuitu, mis on toodetud teravate tööriistadega, ja ei hõlma purustatud puitkütust, mida toodetakse nürde tööriistadega.

Keel: et

Alusdokumendid: ISO/DIS 17225-4; prEN ISO 17225-4

Kommenteerimise lõppkuupäev: 13.01.2021

prEN ISO 717-2

Akustika. Hoonete ja ehituselementide heliisolatsiooni hindamine. Osa 2: Heliisolatsiooni mõju

See dokument a) määratleb hoonete ja pörandate löögimüraisolatsiooni ühearuvalised suurused, b) annab reeglid nende suuruste määramiseks mõõtmistulemuste põhjal, mis on tehtud 1/3-oktaavribades vastavalt standarditele ISO 10140-3 ja ISO 16283-2, ning 1/1-oktaavribades vastavalt standardile ISO 16283-2 ainult välimõõtmistel, c) määratleb löögimüra vähendamise ühearuvalised suurused pörandakatetele ja ujuvpörandatele, mis arvutatakse ISO 10140-3 kohaselt tehtud mõõtmiste tulemuste põhjal, ja d) täpsustab kergpörandate pörandakatete korrigeeritud löögimüra helirõhutaseme vähendamise hindamise protseduuri. Käesoleva dokumendi kohased ühearuvalised suurused on ette nähtud õhuheli isolatsiooni hindamiseks ja ehitusnormides sätestatavate akustiliste nõuete sõnastamise lihtsustamiseks. Määramatuse väljendamiseks (välja arvatud spektrilähendustegurid) on esitatud täiendav ühearuvaline hindamine 0,1 dB kaupa. Nõutavad ühearuvaliste suuruste arväärtuste arvutused täpsustatakse vastavalt vajadustele. Laiendatud sagedusvahemikus tehtavate mõõtmiste hinnang on esitatud lisas A. Lisas B on esitatud meetod ühearuvaliste suuruste saamiseks katmata ja pörandakatetega kaetud raskete pörandate jaoks. Näited ühearuvaliste suuruste arvutamiseks on esitatud lisas C. Raske ja pehme löögiallikaga (kummipalliga) tehtud mõõtmiste hinnang on esitatud lisas D.

Keel: et

Alusdokumendid: ISO/DIS 717-2; prEN ISO 717-2

Kommenteerimise lõppkuupäev: 13.01.2021

UUED EESTIKEELSESD STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 71-2:2020

Mänguasjade ohutus. Osa 2: Süttivus Safety of toys - Part 2: Flammability

See Euroopa standard määrab kindlaks põlevmaterjalide kategooriad, mis on keelatud kõigis mänguasjades, ja nõuded, mis puudutavad teatud mänguasjade süttivust, kui nad on allutatud väikese süüteallika toimele. Peatükis 5 kirjeldatud katsemeetodeid kasutatakse mänguasjade süttivuse määramiseks kindlaksmääratud täpsetes katsetingimustes. Niiviisi saadud katsetulemusi ei saa käsitleda kui andmeid, mis annaksid üldise ülevaate mänguasjade või materjalide potentsiaalsest tuleohtlikkusest, siis kui neile rakendatakse teistsuguseid süttimisallikaid. See dokument sisaldab kõigi mänguasjade kohta kehtivaid üldnõudeid ning spetsiifilisi nõudeid ja katsemeetodeid järgmiste mänguasjade kohta, mida peetakse suurimat ohtu kujutavateks: — peas kantavad mänguasjad: habemed, vuntsid, parukad jne, mida valmistatakse karvadest või lendlevatest elementidest; maskid; kapuutsid; peahised jne. Siiski on välja jäetud paberist ja papist mütsid ilma kaunistuste või manusteta; — mängu maskeerimiskostüümid ning mänguasjad, mis on mõeldud lapsele mängu ajal seljaskandmiseks; — mänguasjad, mis on mõeldud lapsele sisenemiseks ja on valmistatud tekstiilidest ja/või polümeerist lehtedest ja kiledest; — pehme täidisega mänguasjad. MÄRKUS Lisanõuded elektriliste mänguasjade süttivusele on kindlaks määratud standardis EN 62115 [2].

EVS-EN ISO 15004-1:2020

Silmainstrumendid. Põhinõuded ja katsemeetodid. Osa 1: Üldnõuded kõigile silmainstrumentidele

Ophthalmic instruments - Fundamental requirements and test methods - Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2020)

Selles dokumendis täpsustatakse põhinõudeid mitteinvasiivsetele, aktiivsetele ja mitteaktiivsetele silmainstrumentidele ning nägemise parandamise seadmetele. See dokument kehtib ka tonomeetrite kohta, kuid mitte silmamunaga kokkupuutes kasutatavate muude silmainstrumentide kohta. See dokument ei kehti operatsioonimikroskoopide, -endoskoopide ja silma laseruuringuteks ega laserraviks ette nähtud seadmete kohta.

EVS-EN ISO 15630-3:2019

Sarrus- ja pingestusteras. Katsemeetodid. Osa 3: Pingestusteras

Steel for the reinforcement and prestressing of concrete - Test methods - Part 3: Prestressing steel (ISO 15630-3:2019, Corrected version 2019-10)

See dokument spetsifitseerib betoonis sarrusena kasutatavale pingestusterasele (vardad, traadid või trossid) kohaldatavad katsemeetodid. See dokument ei hõlma proovide võtmise tingimusi, mida käsitletakse tootestandardites. Kaasatud poolte vaheliste võimalike kokkulepete loetelu on esitatud lisa A.

EVS-EN ISO 22232-2:2020

Mittepurustav katsetamine. Ultraheli katseseadmete määratlemine ja kontrollimine. Osa 2: Sondid

Non-destructive testing - Characterization and verification of ultrasonic test equipment - Part 2: Probes (ISO 22232-2:2020)

Selles dokumendis määratletakse mittepurustavas ultrahelikatsetamises kasutatavate sondide omadused järgmistes kategooriates, kesksagedustel vahemikus 0,5 MHz kuni 15 MHz, kas fookustavad või ilma fookustamiseta: a) piki- ja/või põiklaineid genereerivad ühe- või kahemuundurilised kontaktsondid; b) ühemuundurilised sukeldamissondid. Kui selles dokumendis on määratletud materjalist olenevad ultraheli väärtused, põhinevad need terastel, mille helilaine levimise kiirus on pikilainete puhul on (5920 ± 50) m/s ja põiklainete puhul (3255 ± 30) m/s. See dokument ei sisalda sondide perioodilisi katseid. Harjumuspärased katsed sondide kontrollimiseks kohapeal olevate protseduuride abil on toodud standardis ISO 22232-3. Kui sondi eluea jooksul tuleb lisaks standardis ISO 22232-3 määratud parameetritele kontrollida parameetreid, mis kokku lepitud osapoolte vahel, võib nende lisaparameetrite kontrolliprotseduuri valida selles dokumendis toodud protseduuride hulgast. See dokument ei hõlma ka faseeritud ultraheli sonde, seetõttu vaadake ISO 18563-2.

STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.

Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest enquiry@evs.ee.

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN ISO 15630-3:2019	Betooni sarrusteras ja pingesarrus. Katsemeetodid. Osa 3: Pingesarrus (parandatud väljaanne 10.2019)	Sarrus- ja pingestusteras. Katsemeetodid. Osa 3: Pingestusteras

UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardikeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtivate Eesti standardite kohta.

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

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

Lisainfo:

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

Eesti Standardikeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtivate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2001/95/EÜ Üldine tooteohutus

Komisjoni rakendusotsus (EL) 2020/1808,
millega muudetakse rakendusotsust (EL) 2019/1698
(EL Teataja 2020/L 402/140)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Vilide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 16890:2017 Lastemööbel. Hällide ja võrevoodite madratsid. Ohutusnõuded ja katsemeetodid	01.12.2020		
EVS-EN 17022:2018 Lapsehooldustooted. Abivahendid suplemiseks. Ohutusnõuded ja katsemeetodid	01.12.2020		
EVS-EN 17072:2018 Lapsehooldustooted. Vannid, vannide tugialused ja mitte- iseseisvad abivahendid suplemiseks. Ohutusnõuded ja katsemeetodid	01.12.2020		
EVS-EN ISO 12863:2010/AC:2011 Standardne katsemeetod sigarettide süttivuse hindamiseks (ISO 12863:2010/Corr 1:2011)	01.12.2020		
EVS-EN ISO 20957-9:2016/A1:2019 Statsionaarne treenimisvarustus. Osa 9: Elliptilised trenajõõrid, täiendavad erinõuded ja katsemeetodid	01.12.2020		

Direktiiv 2014/35/EL
Madalpinge
 Komisjoni rakendusotsus (EL) 2020/1779,
 millega muudetakse rakendusotsust (EL) 2019/1956
 (EL Teataja 2020/L 399/6)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 60335-2-105:2005/A2:2020 Majapidamismasinad ja nende sarnased elektriseadmed. Ohutus. Osa 2-105. Erinõuded multifunktsionaalsetele dušikabiinidele	30.11.2020		
EVS-EN 60335-2-78:2003/A11:2020 Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-78: Erinõuded aiagrillidele	30.11.2020		
EVS-EN 60335-2-82:2003/A2:2020 Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-82: Erinõuded teenindusmasinatele ja lõbustusmasinatele	30.11.2020		
EVS-EN 60570:2004/A2:2020 Valgustiridade elektritoitesüsteemid	30.11.2020		
EVS-EN 60598-2-22:2014/A1:2020 Valgustid. Osa 2-22: Erinõuded. Valgustid hädavalgustuseks	30.11.2020		
EVS-EN 60669-1:2018/AC:2020 Kohtkindlate majapidamis- ja muude taoliste elektripaigaldiste lülitid. Osa 1: Üldnõuded	30.11.2020		
EVS-EN 60947-2:2017/A1:2020 Madalpingelised lülitusaparaadid. Osa 2: Kaitselülitid	30.11.2020		
EVS-EN 60947-2:2017+A1:2020 Madalpingelised lülitusaparaadid. Osa 2: Kaitselülitid	30.11.2020		
EVS-EN 61010-1:2010/A1:2019 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 1: Üldnõuded	30.11.2020		
EVS-EN 61010-1:2010/A1:2019/AC:2019 Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 1: Üldnõuded	30.11.2020		
EVS-EN IEC 60947-5-2:2020 Madalpingelised lülitusaparaadid. Osa 5-2: Juhtimisahelaaparaadid ja lülituselemendid. Läheduslülitid	30.11.2020	EN 60947-5-2:2007; EN 60947-5-2:2007/ A1:2012	30.05.2022
EVS-EN IEC 60974-1:2018 Kaarkeevitusseadmed. Osa 1: Keevitamise energiaallikad	30.11.2020	EN 60974-1:2012	30.05.2022
EVS-EN IEC 60974-1:2018/A1:2019 Kaarkeevitusseadmed. Osa 1: Keevitamise energiaallikad	30.11.2020		

Määrus (EÜ) nr 765/2008
Akrediteerimise ja turujärelevalve nõuded seoses toodete turustamisega
Otsus nr 768/2008
Toodete turustamise ühine raamistik
Määrus (EÜ) nr 1221/2009
Organisatsioonide vabatahtlik osalemine ühenduse keskkonnajuhtimis- ja
auditeerimissüsteemis (EMAS)
 Komisjoni rakendusotsus (EL) 2020/1835
 (EL Teataja 2020/C 408/6)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Vilide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN ISO 14064-1:2019 Kasvuhoonegaasid. Osa 1: Kasvuhoonegaaside heitkoguse ning sidumise määramise ja aruandluse nõuded koos juhistega organisatsiooni tasandil	04.12.2020	EN ISO 14064-1:2012	01.07.2022
EVS-EN ISO 14064-2:2019 Kasvuhoonegaasid. Osa 2: Kasvuhoonegaaside heitkoguse vähendamise või sidumise suurendamise määramise, seire ja aruandluse nõuded koos juhistega projekti tasandil	04.12.2020	EN ISO 14064-2:2012	01.07.2022
EVS-EN ISO 14064-3:2019 Kasvuhoonegaasid. Osa 3: Kasvuhoonegaaside hinnangu tõendamise ja valideerimise nõuded koos juhistega	04.12.2020	EN ISO 14064-3:2012	01.07.2022
EVS-EN ISO 15195:2019 Laborimeditsiin. Nõuded võrdlusmõõtmisi teostavate kalibreerimislaborite pädevusele	04.12.2020	EN ISO 15195:2003	01.07.2022
EVS-EN ISO/IEC 17025:2017 Üldnõuded katse- ja kalibreerimislaborite kompetentsusele	09.03.2018	EN ISO/IEC 17025:2005 Märkus 2.1	01.07.2021
EVS-EN ISO/IEC 17029:2019 Vastavushindamine. Üldised põhimõtted ja nõuded valideerimis- ja tõendusasutustele	04.12.2020		