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01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

CEN/TS 17951:2024

Lighting Applications - Adaptive Emergency Escape Lighting Systems

This CEN Technical Specification specifies the lighting and operating requirements for the application of adaptive emergency escape lighting systems that can interact with management and control systems or be provided with functionality to modify the operation of emergency escape lighting according to situational requirements, in terms of luminous flux output, escape directions and the characteristics and meaning of emergency escape lighting. The situational requirements can require the involvement and interaction with components and systems other than emergency escape lighting systems. Requirements for these components or systems are not part of this document.

Keel: en
Alusdokumendid: CEN/TS 17951:2024

EVS-EN IEC 62933-1:2024

Electrical energy storage (EES) systems - Part 1: Vocabulary

IEC 62933-1:2024 defines terms applicable to electrical energy storage (EES) systems including terms necessary for the definition of unit parameters, test methods, planning, installation, operation, environmental and safety issues. This terminology document is applicable to grid-connected systems able to extract electrical energy from an electric power system, store energy internally, and provide electrical energy to an electric power system. The step for charging and discharging an EES system can comprise an energy conversion. This second edition cancels and replaces the first edition published in 2018. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) addition (with revision) of the entries developed during the edition 1 stability period and, therefore, included only in other IEC 62933 parts; b) addition of the entries developed during the edition 1 stability period and published in this document for the first time; c) complete revision of the entries already present in edition 1.

Keel: en
Alusdokumendid: IEC 62933-1:2024; EN IEC 62933-1:2024
Asendab dokumenti: EVS-EN IEC 62933-1:2018

11 TERVISEHOOLDUS

EVS-EN ISO 18113-2:2024

In vitro diagnostikameditsiiniseadmed. Tootja antav teave (etikettimine). Osa 2: In vitro diagnostika reagendid professionaalseks kasutuseks
In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 2: In vitro diagnostic reagents for professional use (ISO 18113-2:2022)

This document specifies requirements for information supplied by the manufacturer of in vitro diagnostic (IVD) reagents, calibrators and controls intended for professional use. This document can also be applicable to accessories. This document is applicable to the labels for outer and immediate containers and to the instructions for use. This document does not apply to: a) IVD instruments or equipment; b) IVD reagents for self-testing.

Keel: en
Alusdokumendid: ISO 18113-2:2022; EN ISO 18113-2:2024
Asendab dokumenti: EVS-EN ISO 18113-2:2011

EVS-EN ISO 18113-3:2024

In vitro diagnostikameditsiiniseadmed. Tootja antav teave (etikettimine). Osa 3: In vitro diagnostikainstrumendid professionaalseks kasutuseks
In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 3: In vitro diagnostic instruments for professional use (ISO 18113-3:2022)

This document specifies requirements for information supplied by the manufacturer of in vitro diagnostic (IVD) instruments intended for professional use. This document also applies to apparatus and equipment intended to be used with IVD instruments for professional use. This document can also be applicable to accessories. This document does not apply to: a) instructions for instrument servicing or repair; b) IVD reagents, including calibrators and control materials for use in control of the reagent; c) IVD instruments for self-testing.

Keel: en
Alusdokumendid: ISO 18113-3:2022; EN ISO 18113-3:2024
Asendab dokumenti: EVS-EN ISO 18113-3:2011

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TR 18076:2024

Ambient air - Equivalence of automatic measurements of elemental carbon (EC) and organic carbon (OC) in PM

This document provides definitions of the quantities measured by various candidate methods, their basic principles, and their advantages and disadvantages. Currently no traceable primary reference materials are available for EC and OC analyses. This document provides guidance to test the equivalence between candidate methods and EN 16909 for EC and/or OC determination(s), based on EN 16450.

Keel: en
Alusdokumendid: CEN/TR 18076:2024

EVS-EN 13819-1:2020+A1:2024

Hearing protectors - Testing - Part 1: Physical test methods

This document EN 13819-1 specifies physical test methods for hearing protectors. The purpose of these tests is to enable assessment of the performance of the hearing protector as specified in the appropriate product standard.

Keel: en
Alusdokumendid: EN 13819-1:2020+A1:2024
Asendab dokumenti: EVS-EN 13819-1:2020

EVS-EN 17892:2024

Vee kvaliteet. Valitud per- ja polüfluoroalküülühendite määramine joogivees. Vedelikkromatograafia-tandem-massispektromeetria (LC-MS/MS) meetodil
Water quality - Determination of selected per- and polyfluoroalkyl substances in drinking water - Method using liquid chromatography/tandem-mass spectrometry (LC-MS/MS)

See dokument määrab kindlaks meetodi valitud per- ja polüfluoroalküülainete (PFAS) lahustunud fraktsiooni määramiseks filtreerimata joogivees, kasutades vedelikkromatograafia-tandem-massispektromeetriat (LC-MS/MS). Meetodi rakendatavust teist tüüpi vee puhul, nagu magevesi (nt põhjavesi, pinnavesi) või puhastatud reovesi, saab iga üksikjuhtumi puhul eraldi valideerida. Iga sihtühendi puhul kvantiseeritakse koos nii hargnenud ahelaga isomeerid kui ka vastavad hargnemata ahelaga isomeerid. Selle meetodiga määratud valitud ainete kogum esindab mitmesuguseid PFAS-e. See meetod on valideeritud tabelis 1 nimetatud analüütide jaoks. Selles tabelis toodud loendit saab muuta olenevalt meetodi eesmärgist ja fookusest. Selle meetodi madalam rakendusvahemik võib varieeruda olenevalt kasutatava aparatuuri tundlikkusest ja proovide maatriksist. Paljude ainete puhul, mille suhtes see dokument kehtib, on võimalik saavutada määramispiir (LOQ) 1 ng/l. Suureruumalalise otsesüsti kasutamine, nagu kirjeldatud meetodi osas A, või SPE, nagu kirjeldatud meetodi osas B, võimaldab madalamaid LOQ-sid. Analüütilised piirangud võivad esineda lühikese ahelaga PFAS-ide või PFAS-ide puhul, mille süsinikuahelas on rohkem kui kümme süsinikuaatomit. Tegelikud LOQ-d võivad sõltuda ka üksikute laborite saavutatud tühinäidu väärtustest. MÄRKUS See dokument võimaldab analüüsida neid 20 PFAS-i, mis on loetletud EL-i joogivee direktiivi EL 2020/2184 [4] lisa III osa B punktis 3, et jälgida PFAS-i summa parameetrilist piirväärtust 0,10 µg/l. Lisaks saab selle dokumendi abil analüüsida ka nende PFAS-ainete alternatiive ja asendajaid.

Keel: en, et
Alusdokumendid: EN 17892:2024

EVS-EN 352-2:2020+A1:2024

Kuulmiskaitsevahendid. Üldnõuded. Osa 2: Kõrvatropid
Hearing protectors - General requirements - Part 2: Earplugs

This document specifies requirements on construction, design, performance, marking and user information for earplugs. In particular, it specifies requirements regarding the sound attenuation of the earplugs, measured in accordance with EN ISO 4869-1:2018. This document applies to earplugs designed for users who are able to follow supplied instructions and understand the related risks, can fit the earplugs correctly and can give feedback on the performance. Ergonomic aspects are addressed by taking into account, within the requirements, the interaction between the user, the device and where possible the working environment in which the device is likely to be used (see Annex ZA and EN 458).

Keel: en
Alusdokumendid: EN 352-2:2020+A1:2024
Asendab dokumenti: EVS-EN 352-2:2020

EVS-EN IEC 62676-2-11:2024

Video Surveillance Systems (VSS) for use in security applications - Part 2-11: Video transmission protocols - Interop profiles for VMS and cloud VSaaS systems for safe cities and law enforcement

IEC 62676-2-11:2024 defines minimum requirement profiles for Video Management Systems (VMS) and cloud Video-Surveillance-as-a-Service (VSaaS) Systems to optimize interfacing with third parties. It defines minimum required VMS interoperability levels from video export to exclusive video control, for the sake of remote support, for example in crisis situations, regulating governmental organizations, national law enforcement, private security service companies, public transport operators and other authorities. This document is intended to set the common technical basis for national regulations requiring inter-organizational remote, local or on-site access, for example so that authorities can be granted temporary access to the VSS in the

case of emergency situations. This standard is accordingly expected to supersede ISO 22311 (Societal Security - Video-surveillance - Export interoperability).

Keel: en
Alusdokumendid: IEC 62676-2-11:2024; EN IEC 62676-2-11:2024

EVS-EN ISO 17491-4:2024

Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (ISO 17491-4:2024)

This document specifies the test method for determining the resistance of chemical protective clothing to penetration by sprays of liquid chemicals at two different levels of intensity: a) Method A: low-level spray test. This is applicable to clothing that covers the full body surface and is intended to be worn when there is a potential risk of exposure to small quantities of spray or accidental low-volume splashes of a liquid chemical. b) Method B: high-level spray test. This is applicable to clothing with spray-tight connections between different parts of the clothing and, if applicable, between the clothing and other items of personal protective equipment, which covers the full body surface and which is intended to be worn when there is a risk of exposure to sprayed liquid chemical. This document does not apply to chemical permeation resistance of the materials from which the chemical protective clothing is made.

Keel: en
Alusdokumendid: ISO 17491-4:2024; EN ISO 17491-4:2024
Asendab dokumenti: EVS-EN ISO 17491-4:2008
Asendab dokumenti: EVS-EN ISO 17491-4:2008/A1:2016

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN ISO 26101-2:2024

Acoustics - Test methods for the qualification of the acoustic environment - Part 2: Determination of the environmental correction (ISO 26101-2:2024)

This document specifies methods for qualifying an environment that approximates to an acoustic free field near one or more reflecting planes. The goal of the qualification is to determine the environmental correction , which is used to correct for reflected sound when determining the sound power level or sound energy level of a noise source from sound pressure levels measured on a surface enveloping the noise source (machinery or equipment) in such an environment. In practice, the value determined will be a function of both the reflected sound from the test environment and the shape and size of the measurement surface used for the determination. For the purposes of this document and the documents that refer to it, the differences between values determined with different measurement surfaces are assumed to be included in the stated measurement uncertainty for the test method.

Keel: en
Alusdokumendid: ISO 26101-2:2024; EN ISO 26101-2:2024

EVS-EN ISO 5114-1:2024

Acoustics - Determination of uncertainties associated with sound emission measures - Part 1: Sound power levels determined from sound pressure measurements (ISO 5114-1:2024)

This document gives guidance on the determination of measurement uncertainties of sound power levels determined according to ISO 3741, ISO 3743-1, ISO 3743-2, ISO 3744, ISO 3745, ISO 3746, ISO 3747 or according to a noise test code based on one of these measurement standards.

Keel: en
Alusdokumendid: ISO 5114-1:2024; EN ISO 5114-1:2024

EVS-EN ISO/CIE 11664-5:2024

Colorimetry - Part 5: CIE 1976 L*u*v* colour space and u', v' uniform chromaticity scale diagram (ISO/CIE 11664-5:2024)

This document specifies the method of calculating the coordinates of the CIE 1976 L*u*v* colour space including correlates of lightness, chroma, saturation and hue. It includes two methods for calculating Euclidean distances in this space to represent the relative perceived magnitude of colour differences. It also specifies the method of calculating the coordinates of the u′,v′ uniform chromaticity scale diagram. This document is applicable to tristimulus values calculated using the colour-matching functions of the CIE 1931 standard colorimetric system or the CIE 1964 standard colorimetric system. This document is applicable for the specification of colour stimuli perceived as belonging to a reflecting or transmitting object, where a three-dimensional space more uniform than tristimulus space is required. This includes self-luminous displays, like computer, television and smart-phone displays, if they are being used to simulate reflecting or transmitting objects and if the stimuli are appropriately normalized. This document, as a whole, does not apply to colour stimuli perceived as belonging to an area that appears to be emitting light as a primary light source or that appears to be specularly reflecting such light. Only the u′,v′ uniform chromaticity scale diagram defined in 4.1 and the correlates of hue and saturation defined in 4.3 apply to such colour stimuli.

Keel: en
Alusdokumendid: ISO/CIE 11664-5:2024; EN ISO/CIE 11664-5:2024
Asendab dokumenti: EVS-EN ISO 11664-5:2016

19 KATSETAMINE

EVS-EN ISO 16946:2024

Non-destructive testing - Ultrasonic testing - Specification for a step wedge standard block (ISO 16946:2024)

This document specifies the requirements for the dimensions, material, and manufacture of a steel step wedge standard block for the setting of an ultrasonic instrument.

Keel: en
Alusdokumendid: ISO 16946:2024; EN ISO 16946:2024
Asendab dokumenti: EVS-EN ISO 16946:2017

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 18119:2018/A2:2024

Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 2 (ISO 18119:2018/Amd 2:2024)

Amendment to EN ISO 18119:2018

Keel: en
Alusdokumendid: EN ISO 18119:2018/A2:2024; ISO 18119:2018/Amd 2:2024
Muudab dokumenti: EVS-EN ISO 18119:2018
Muudab dokumenti: EVS-EN ISO 18119:2018+A1:2021

EVS-EN ISO 18119:2018+A1+A2:2024

Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing (ISO 18119:2018 + ISO 18119:2018/Amd 1:2021 +ISO 18119:2018/Amd 2:2024)

This document specifies the requirements for periodic inspection and testing to verify the integrity of cylinders and tubes to be re-introduced into service for a further period of time. This document is applicable to seamless steel and seamless aluminium-alloy transportable gas cylinders (single or those that comprise a bundle) intended for compressed and liquefied gases under pressure, of water capacity from 0,5 l up to 150 l and to seamless steel and seamless aluminium-alloy transportable gas tubes (single or those that comprise a bundle) intended for compressed and liquefied gases under pressure, of water capacity greater than 150 l. It also applies, as far as practical, to cylinders of less than 0,5 l water capacity. This document does not apply to the periodic inspection and maintenance of acetylene cylinders or to the periodic inspection and testing of composite cylinders. NOTE Unless noted by exception, the use of the word “cylinder” in this document refers to both cylinders and tubes.

Keel: en
Alusdokumendid: ISO 18119:2018; EN ISO 18119:2018; ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021; ISO 18119:2018/Amd 2:2024; EN ISO 18119:2018/A2:2024
Konsolideerib dokumenti: EVS-EN ISO 18119:2018
Konsolideerib dokumenti: EVS-EN ISO 18119:2018/A1:2021
Konsolideerib dokumenti: EVS-EN ISO 18119:2018/A2:2024
Konsolideerib dokumenti: EVS-EN ISO 18119:2018+A1:2021

EVS-EN ISO 6134:2024

Rubber hoses and hose assemblies for saturated steam - Specification (ISO 6134:2024)

This document specifies requirements for hoses and hose assemblies made of rubber and hose fittings made of metal, which are designed to convey saturated steam and hot water condensate. This document applies to the following two types of hoses and hose assemblies: — low pressure, with a maximum working pressure of 0,6 MPa (6 bar); — high pressure, with a maximum working pressure of 1,8 MPa (18 bar). Each type is divided into two classes, having either an oil resistant or non-oil resistant cover.

Keel: en
Alusdokumendid: ISO 6134:2024; EN ISO 6134:2024
Asendab dokumenti: EVS-EN ISO 6134:2017

25 TOOTMISTEHNOLOOGIA

CLC IEC/TS 62443-1-5:2024

Security for industrial automation and control systems - Part 1-5: Scheme for IEC 62443 security profiles

This part of IEC 62443 specifies a scheme for defining (selecting, writing, drafting, creating) IEC 62443 security profiles. This scheme and its specified requirements apply to IEC 62443 security profiles which are planned to be published as part of the upcoming IEC 62443 dedicated security profiles subseries. IEC 62443 security profiles can support interested parties (e.g. during conformity assessment activities) to achieve comparability of assessed IEC 62443 requirements.

Keel: en
Alusdokumendid: IEC/TS 62443-1-5:2023; CLC IEC/TS 62443-1-5:2024

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 17893:2024

Thermal road vehicles - Temperature-controlled systems using flammable refrigerants for transport of goods - Requirements and risk analysis process

This document specifies requirements for the use of flammable refrigerants class A2L, A2 and A3 as defined in ISO 817 with regard to: - design and construction of the refrigerating system (as far as not specified in EN 378-2); - operation; - in all anticipated operational modes and locations; - including continuous idling during standstill; - service, maintenance and decommissioning; - for the investigation and mitigation of risk for thermally insulated means of transport, including: trucks, trailers, tanks, vans (light commercial vehicles), wagons, containers for land transport, small containers, packaging. This document describes an Operational Mode Risk Assessment (OMRA), which uses methods such as Hazard and Operability Analysis (HAZOP), Failure Mode and Effects and Criticality Analysis (FMECA), or Fault Tree Analysis (FTA) or a combination of these methods. The document specifies requirements: - for the validation of possible safety concepts and protective devices within the OMRA process, including charge release tests, simulation, and function tests of the associated protective equipment; - for tests related to the application; - using methodologies to achieve tolerable risk values. Mobile air conditioning systems in cars are covered in ISO 13043 and refrigerated containers conforming to ISO 20854 are excluded. This document could be used for class "B" refrigerants providing the OMRA is adjusted to account for their specific properties.

Keel: en
Alusdokumendid: EN 17893:2024

29 ELEKTROTEHNIKA

EVS-EN 50214:2024

Lamedad paindkaablid
Flat flexible cables

This document covers the construction, requirements and particular test methods for flat, flexible PVC or halogen-free insulated and sheathed cables, of rated voltage Uo/U 300/500 V and above 1 mm2 Uo/U 450/750 V for use in passenger and goods lifts (elevators), and Uo/U 450/750 V for general purposes and for special applications such as hoists and travelling cranes. NOTE 1 This revision is in accordance with an agreement with CEN TC 10 to specify in the same standard a) flexible cables for lifts as required by EN 81-20, and b) flexible cable for applications such as hoists and travelling cranes, previously found in HD 359. In accordance with this agreement, only those cables in Clauses 5 and 6 are suitable for use with EN 81-20. NOTE 2 The limits for the overall diameter of the cables have been calculated in accordance with EN 60719.

Keel: en
Alusdokumendid: EN 50214:2024
Asendab dokumenti: EVS-EN 50214:2007

EVS-EN IEC 60136:2024

Dimensions, marking and testing of carbon brushes and dimensions of brush-holders for electrical machinery

IEC 60136:2024 applies primarily to brushes and brush-holders for cylindrical commutators and slip rings for electrical rotating machines. Some clauses of this document may cover other configurations, such as flat commutators or plain disks. It defines the dimensions of brushes and their components, together with their tolerances: - dimensions of brush block (t, a, r), - angles α and β, - chamfer, - flexibles (shunts), - standard terminals. It also covers the conventional designation of principal dimensions, the marking of brushes and the testing methods for the qualification of brushes after their manufacturing (except the brush grade material, covered by IEC 60413). This third edition cancels and replaces the second edition published in 1986 and Amendment 1:1995. This edition constitutes a technical revision. Please refer to the Foreword of the document for a comprehensive listing of the changes with respect to the previous edition.

Keel: en
Alusdokumendid: IEC 60136:2024; EN IEC 60136:2024

EVS-EN IEC 61954:2021/AC:2024

Static VAR compensators (SVC) - Testing of thyristor valves

Corrigendum to EN IEC 61954:2021

Keel: en
Alusdokumendid: EN IEC 61954:2021/AC:2024-06; IEC 61954:2021/COR1:2024
Parandab dokumenti: EVS-EN IEC 61954:2021

31 ELEKTROONIKA

EVS-EN IEC 61954:2021/AC:2024

Static VAR compensators (SVC) - Testing of thyristor valves

Corrigendum to EN IEC 61954:2021

Keel: en
Alusdokumendid: EN IEC 61954:2021/AC:2024-06; IEC 61954:2021/COR1:2024
Parandab dokumenti: EVS-EN IEC 61954:2021

33 SIDETEHNIKA

EVS-EN 319 102-1 V1.4.1:2024

Electronic Signatures and Trust Infrastructures (ESI); Procedures for Creation and Validation of AdES Digital Signatures; Part 1: Creation and Validation

The present document specifies procedures for: • the creation of AdES digital signatures (specified in ETSI EN 319 122-1, ETSI EN 319 132-1, ETSI EN 319 142-1 respectively); • establishing whether an AdES digital signature is technically valid; whenever the AdES digital signature is based on public key cryptography and supported by Public Key Certificates (PKCs). To improve readability of the present document, AdES digital signatures are meant when the term signature is being used. NOTE 1: Regulation (EU) No 910/2014 defines the terms electronic signature, advanced electronic signature, electronic seals and advanced electronic seal. These signatures and seals are usually created using digital signature technology. The present document aims at supporting the Regulation (EU) No 910/2014 for creation and validation of advanced electronic signatures and seals when they are implemented as AdES digital signatures. The present document introduces general principles, objects and functions relevant when creating or validating signatures based on signature creation and validation constraints and defines general classes of signatures that allow for verifiability over long periods. The following aspects are considered to be out of scope: • generation and distribution of Signature Creation Data (keys, etc.), and the selection and use of cryptographic algorithms; • format, syntax or encoding of data objects involved, specifically format or encoding for documents to be signed or signatures created; and • the legal interpretation of any signature, especially the legal validity of a signature. NOTE 2: The signature creation and validation procedures specified in the present document provide several options and possibilities. The selection of these options is driven by a signature creation policy, a signature augmentation policy or a signature validation policy respectively. Note that legal requirements can be provided through specific policies, e.g. in the context of qualified electronic signatures as defined in the Regulation (EU) 910/2014.

Keel: en
Alusdokumendid: ETSI EN 319 102-1 V1.4.1

EVS-EN 319 401 V3.1.1:2024

Electronic Signatures and Trust Infrastructures (ESI); General Policy Requirements for Trust Service Providers

The present document specifies general policy requirements relating to Trust Service Providers (TSPs) that are independent of the type of TSP. It defines policy requirements on the operation and management practices of TSPs. Other specifications refine and extend these requirements as applicable to particular forms of TSP. The present document does not specify how the requirements identified can be assessed by an independent party, including requirements for information to be made available to such independent assessors, or requirements on such assessors. The present document aims to support the requirements on NIS2 Directive and addresses the general requirements for security management and cybersecurity of trust services (qualified and non-qualified). NOTE: See ETSI EN 319 403-1 for details about requirements for conformity assessment bodies assessing Trust Service Providers.

Keel: en
Alusdokumendid: ETSI EN 319 401 V3.1.1

EVS-EN IEC 60794-1-101:2024

Optical fibre cables - Part 1-101: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Tensile, method E1

IEC 60794-1-101:2024 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. This document defines test procedures to be used in establishing uniform requirements for tensile performance. Throughout this document the wording "optical cable" includes optical fibre units, microduct fibre units, etc. See IEC 60794-1-2 for general requirements and definitions and for a complete reference guide to test methods of all types.

Keel: en
Alusdokumendid: IEC 60794-1-101:2024; EN IEC 60794-1-101:2024
Asendab osaliselt dokumenti: EVS-EN 60794-1-21:2015
Asendab osaliselt dokumenti: EVS-EN 60794-1-21:2015/A1:2020

EVS-EN IEC 60794-1-104:2024

Optical fibre cables - Part 1-104: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Impact, method E4

IEC 60794-1-104:2024 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. This document defines test procedures to be used in establishing uniform requirements for impact performance. Throughout this document the wording “optical cable” includes optical fibre units, microduct fibre units, etc. See IEC 60794-1-2 for general requirements and definitions and for a complete reference guide to test methods of all types. This document partially cancels and replaces IEC 60794-1-21:2015, which will be withdrawn. In the context of the revision of IEC 60794-1-21:2015, its contents were split into separate test methods. It includes an editorial revision, based on the new structure and numbering system for optical fibre cable test methods.

Keel: en
Alusdokumendid: IEC 60794-1-104:2024; EN IEC 60794-1-104:2024
Asendab osaliselt dokumenti: EVS-EN 60794-1-21:2015
Asendab osaliselt dokumenti: EVS-EN 60794-1-21:2015/A1:2020

EVS-EN IEC 60794-1-213:2024

Optical fibre cables - Part 1-213: Generic specification - Basic optical cable test procedures - Environmental test methods - Microduct pressure withstand, Method F13

IEC 60794-1-213:2024 defines test procedures to be used in establishing uniform requirements for the environmental performance of microduct. The test determines the capability of the microduct to withstand internal pressure without leakage and visible damage. This document applies to microduct used for installation of microduct cable or fibre unit by blowing. Throughout this document, the wording "microduct" can also include protected microduct(s). See IEC 60794-1-2 for a reference guide to test methods of all types and for general requirements and definitions.This document partially cancels and replaces IEC 60794-1-22:2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 60794-1-22:2017: a) pressure gauge used to monitor internal pressure of microduct added as part of the test apparatus; b) "test temperature" added to the details to be specified; c) added a new subclause “4.7 Details to be reported”.

Keel: en
Alusdokumendid: IEC 60794-1-213:2024; EN IEC 60794-1-213:2024

EVS-EN IEC 61280-4-2:2024

Fibre-optic communication subsystem test procedures - Part 4-2: Installed cabling plant - Single-mode attenuation and optical return loss measurements

This part of IEC 61280-4 is applicable to the measurement of attenuation and optical return loss of installed optical fibre cable plant using single-mode fibre. This cable plant can include single mode optical fibres, connectors, adapters, splices, and other passive devices. The cabling can be installed in a variety of environments including residential, commercial, industrial and data centre premises, as well as outside plant environments. This standard is applicable to all single-mode fibre types including those designated by IEC 60793-2-50 as Class B fibres. The principles of this standard can be applied to cable plants containing branching devices (splitters) and at specific wavelength ranges in situations where passive wavelength selective components are deployed, such as WDM, CWDM and DWDM devices. This standard is not intended to apply to cable plants that include active devices such as fibre amplifiers or dynamic channel equalizers.

Keel: en
Alusdokumendid: IEC 61280-4-2:2024; EN IEC 61280-4-2:2024
Asendab dokumenti: EVS-EN 61280-4-2:2014

EVS-EN IEC 61300-2-27:2024

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-27: Tests - Dust (laminar flow)

IEC 61300-2-27:2024 determines the effects of dust on fibre optic interconnecting devices or passive components. This second edition cancels and replaces the first edition published in 1995. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) normative references have been added; b) the relative humidity requirement during the test has been modified; c) the procedure description has been modified; d) Figure 1 showing possible test configurations has been added; e) the severity of the test has been updated according to the component and performance category; f) Clause 8 has been added, listing details to be specified and reported.

Keel: en
Alusdokumendid: IEC 61300-2-27:2024; EN IEC 61300-2-27:2024
Asendab dokumenti: EVS-EN 61300-2-27:2002

EVS-EN IEC 62153-4-15:2021/A1:2024

Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) related test method for measuring transfer impedance and screening attenuation or coupling attenuation with triaxial cell

Amendment to EN IEC 62153-4-15:2021

Keel: en
Alusdokumendid: IEC 62153-4-15:2021/AMD1:2024; EN IEC 62153-4-15:2021/A1:2024
Muudab dokumenti: EVS-EN IEC 62153-4-15:2021

35 INFOTEHNOLOOGIA

EVS-EN IEC 61406-2:2024

Identification Link - Part 2: Types/Models, Lots/Batches, Items and Characteristics

IEC 61406-2:2024 complements IEC 61406-1 by providing additional requirements for those cases where data elements are encoded within the Structured Identification Link string with standardized syntax and semantics. In addition, this document covers cases where the uniqueness relates to product types/models or lots/batches. The default assumption is that the Identification Link identifies unique objects such as unique serialized products, assets, persons or packages, unless otherwise identified.

Keel: en
Alusdokumendid: IEC 61406-2:2024; EN IEC 61406-2:2024

EVS-EN ISO/IEC 8183:2024

Information technology - Artificial intelligence - Data life cycle framework (ISO/IEC 8183:2023)

This document defines the stages and identifies associated actions for data processing throughout the artificial intelligence (AI) system life cycle, including acquisition, creation, development, deployment, maintenance and decommissioning. This document does not define specific services, platforms or tools. This document is applicable to all organizations, regardless of type, size or nature, that use data in the development and use of AI systems.

Keel: en
Alusdokumendid: EN ISO/IEC 8183:2024; ISO/IEC 8183:2023

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 17893:2024

Thermal road vehicles - Temperature-controlled systems using flammable refrigerants for transport of goods - Requirements and risk analysis process

This document specifies requirements for the use of flammable refrigerants class A2L, A2 and A3 as defined in ISO 817 with regard to: - design and construction of the refrigerating system (as far as not specified in EN 378-2); - operation; - in all anticipated operational modes and locations; - including continuous idling during standstill; - service, maintenance and decommissioning; - for the investigation and mitigation of risk for thermally insulated means of transport, including: trucks, trailers, tanks, vans (light commercial vehicles), wagons, containers for land transport, small containers, packaging. This document describes an Operational Mode Risk Assessment (OMRA), which uses methods such as Hazard and Operability Analysis (HAZOP), Failure Mode and Effects and Criticality Analysis (FMECA), or Fault Tree Analysis (FTA) or a combination of these methods. The document specifies requirements: - for the validation of possible safety concepts and protective devices within the OMRA process, including charge release tests, simulation, and function tests of the associated protective equipment; - for tests related to the application; - using methodologies to achieve tolerable risk values. Mobile air conditioning systems in cars are covered in ISO 13043 and refrigerated containers conforming to ISO 20854 are excluded. This document could be used for class "B" refrigerants providing the OMRA is adjusted to account for their specific properties.

Keel: en
Alusdokumendid: EN 17893:2024

EVS-EN 17932:2024

Natural gas vehicles - Requirements for liquefied natural gas vehicle (LNGV) workshops and the management of liquefied natural gas (LNG) vehicles

This document provides requirements for operation of vehicles that use liquefied natural gas (LNG) as a fuel for propulsion, covering various aspects of LNGV workshops including activities, risk management, planning, personnel, layout, systems and operations. It provides requirements regarding the management of LNGV including use, parking, fuelling for commissioning, inspection, installation, repair and maintenance, disposal, transportation and documentation. This document is applicable to the management of LNG vehicles.

Keel: en
Alusdokumendid: EN 17932:2024

EVS-EN IEC 63281-3-2:2024

E-Transporters - Part 3-2: Performance test methods for mobility of cargo e-Transporters

IEC 63281-3-2:2024 is applicable to electrically powered transport devices for use on public roads or in public spaces and which are primarily designed for transporting cargo ("cargo e Transporters"). The typical application environment of cargo e-Transporters includes the following: for the purposes of hotels, restaurants, office buildings, hospitals, industrial/recreational parks, public roads, etc. This document specifies performance criteria and evaluation methods for the mobility of cargo e-Transporters. This document does not include safety and performance requirements.

Keel: en
Alusdokumendid: IEC 63281-3-2:2024; EN IEC 63281-3-2:2024

45 RAUDTEETEHNIKA

EVS-EN 16116-2:2024

Raudteealased rakendused. Konstruktsiooninõuded astmetele, käsipuudele ja seonduvatele personali juurdepääsuteedele. Osa 2: Kaubavagunid
Railway applications - Design requirements for steps, handrails and associated access for staff - Part 2: Freight wagons

This document is applicable to all types of heavy rail freight wagons. This document specifies the minimum requirements for ergonomic and structural integrity of steps and handrails used together to give staff access. It does not cover ladders, top platforms and top gangways. This document specifies in particular the required free spaces necessary for handrails below buffer, for shunter's stand, for steps and handrails. This document also specifies their dimensions, positions, limits for durability and functionality. This document also specifies the general requirements for the access to tail lights.

Keel: en
Alusdokumendid: EN 16116-2:2024
Asendab dokumenti: EVS-EN 16116-2:2021

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 8665-2:2024

Väikelaevad. Võimsuse mõõtmine ja avaldamine. Osa 2: Elektrilised jõuseadmed
Small craft - Power measurements and declarations - Part 2: Electric marine propulsion (ISO 8665-2:2024)

This document specifies the requirements for the determination of the power of electric marine propulsion systems when presented for documenting and checking of the declared (rated) power published by the manufacturer. This document is applicable to electric systems used for propulsion of recreational craft and other small craft of up to 24 m of hull length.

Keel: en
Alusdokumendid: ISO 8665-2:2024; EN ISO 8665-2:2024

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3672:2024

Aerospace series - Shank nut, self-locking, in heat resisting nickel base alloy NI-P101HT (Waspaloy), silver plated, for 30° swage - Classification: 1 210 MPa (at ambient temperature) / 730 °C

This document specifies the characteristics of self-locking shank nuts in NI-P101HT, silver plated, for use in 30° cone holes, for aerospace applications. Classification: 1 210 MPa /730 °C .

Keel: en
Alusdokumendid: EN 3672:2024
Asendab dokumenti: EVS-EN 3672:2016

EVS-EN 3745-801:2024

Aerospace series - Fibres and cables, optical, aircraft use - Test methods -Part 801: Fibre movement under compression

This document specifies a method of measuring the semi loose effect of a semi loose cable. Pull proof optical contacts are used. The optical contact (ferrule) is longitudinally moving to preserve the optical performance even when cables are pulled. Consequently, the buffered fibre moves beneath the strength members (called semi loose effect). This document describes a test methodology to assess the quality of the cable when contact is pulled or pushed.

Keel: en
Alusdokumendid: EN 3745-801:2024

EVS-EN 4530-002:2024

Aerospace series - Sealing sleeves used in elements of connection - Part 002: List and utilization of sealing sleeves

This document provides a list of removable sealing sleeves as defined in the product standards for use in connectors or other electrical elements of connection.

Keel: en
Alusdokumendid: EN 4530-002:2024
Asendab dokumenti: EVS-EN 4530-002:2006

71 KEEMILINE TEHNOLOOGIA

EVS-EN 17893:2024

Thermal road vehicles - Temperature-controlled systems using flammable refrigerants for transport of goods - Requirements and risk analysis process

This document specifies requirements for the use of flammable refrigerants class A2L, A2 and A3 as defined in ISO 817 with regard to: - design and construction of the refrigerating system (as far as not specified in EN 378-2); - operation; - in all anticipated operational modes and locations; - including continuous idling during standstill; - service, maintenance and decommissioning; - for the investigation and mitigation of risk for thermally insulated means of transport, including: trucks, trailers, tanks, vans (light commercial vehicles), wagons, containers for land transport, small containers, packaging. This document describes an Operational Mode Risk Assessment (OMRA), which uses methods such as Hazard and Operability Analysis (HAZOP), Failure Mode and Effects and Criticality Analysis (FMECA), or Fault Tree Analysis (FTA) or a combination of these methods. The document specifies requirements: - for the validation of possible safety concepts and protective devices within the OMRA process, including charge release tests, simulation, and function tests of the associated protective equipment; - for tests related to the application; - using methodologies to achieve tolerable risk values. Mobile air conditioning systems in cars are covered in ISO 13043 and refrigerated containers conforming to ISO 20854 are excluded. This document could be used for class "B" refrigerants providing the OMRA is adjusted to account for their specific properties.

Keel: en
Alusdokumendid: EN 17893:2024

EVS-ISO 22734-MOD:2024

Vee elektrolüüsi kasutavad vesinikugeneraatorid. Tööstuslikud, kaubanduslikud ja kodutarbija rakendused

Hydrogen generators using water electrolysis. Industrial, commercial, and residential applications (ISO 22734:2019, modified)

See dokument määratleb konstruktsiooni-, ohutus- ja jõudlusnõuded modulaarsetele või tehases sobitatud vesinikgaasi tootmisseadmetele (edaspidi vesinikugeneraatorid), mis kasutavad elektrokeemilisi reaktsioone vesiniku tootmiseks vee elektrolüüsi teel. See dokument on kohaldatav vesinikugeneraatoritele, mis kasutavad järgmist tüüpi ioonide transpordikeskkondi: — aluste vesilahused; — hapete vesilahused; — tahked polümeersed materjalid, millele on lisatud happelisi funktsionaalrühmi, näiteks prootonvahetusmembraan (PEM); — tahked polümeersed materjalid, millele on lisatud aluselisi funktsionaalrühmi, näiteks anioonvahetusmembraan (AEM). See dokument kehtib vesinikugeneraatorite kohta, mis on mõeldud tööstuslikuks ja kaubanduslikuks kasutuseks, samuti kasutamiseks kodutarbijale sise- ja välistingimustes ilmastiku eest kaitstud oludes, nagu autovarjualused, garaažid, majapidamisruumid ja muud sarnased eluruumid. Vesinikugeneraatorid, mida saab kasutada ka elektri tootmiseks, näiteks pööratavad kütuseelemendid, ei kuulu selle dokumendi käsitlusalasse. Elamutele mõeldud vesinikugeneraatorid, mis tarnivad saadusena ka hapnikku, ei kuulu selle dokumendi käsitlusalasse.

Keel: en, et
Alusdokumendid: ISO 22734:2019

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 13016-1:2024

Liquid petroleum products - Vapour pressure - Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)

This document specifies a method for the determination of the air saturated vapour pressure (ASVP) (total vapour pressure), exerted in vacuo, by volatile, low viscosity petroleum products, components, ethanol blends up to 85 % (V/V), and feedstocks containing air. A dry vapour pressure equivalent (DVPE) can be calculated from the air containing vapour pressure (ASVP) measurement. The conditions used in the test described in this document are a vapour-to-liquid ratio of 4:1 and a test temperature of 37,8 °C. The equipment is not wetted with water during the test, and the method described is therefore suitable for testing samples with or without oxygenates; no account is taken of dissolved water in the sample. The method described is suitable for testing air saturated samples with a DVPE between 15,5 kPa and 106,0 kPa; vapour pressures outside this range can be measured, but the precision has not been determined. This document is applicable to fuels containing oxygenated compounds up to the limits stated in the relevant Council Directive 85/536/EEC [10], and for ethanol-fuel blends up to 85 % (V/V) ethanol. NOTE For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent the mass and volume fractions, respectively. 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 document, and to determine the applicability of any other restrictions for this purpose.

Keel: en
Alusdokumendid: EN 13016-1:2024
Asendab dokumenti: EVS-EN 13016-1:2018

EVS-EN 17932:2024

Natural gas vehicles - Requirements for liquefied natural gas vehicle (LNGV) workshops and the management of liquefied natural gas (LNG) vehicles

This document provides requirements for operation of vehicles that use liquefied natural gas (LNG) as a fuel for propulsion, covering various aspects of LNGV workshops including activities, risk management, planning, personnel, layout, systems and operations. It provides requirements regarding the management of LNGV including use, parking, fuelling for commissioning, inspection, installation, repair and maintenance, disposal, transportation and documentation. This document is applicable to the management of LNG vehicles.

Keel: en
Alusdokumendid: EN 17932:2024

EVS-EN ISO 15544:2024

Oil and gas industries - Offshore production installations - Requirements and guidelines for emergency response (ISO 15544:2024)

This document specifies objectives, functional requirements and guidelines for emergency response (ER) measures on installations used for the development of offshore hydrocarbon resources. It is applicable to: — fixed offshore structures; — floating systems for production, storage and off-loading. NOTE For mobile offshore units, the ER plans developed in conformance with the requirements and recommendations of the International Maritime Organization (IMO) are generally adequate for the normal, independent operation of the unit in most locations. The following aspects of ER planning are not generally addressed by IMO and are topics intended for inclusion in the scope of this document where relevant to the specific installation: — area evacuation, e.g. precautionary evacuation in areas of tropical revolving storms; — combined operations (where an integrated command and ER system is relevant); — arctic operations; — uncontrolled flow from a well.

Keel: en
Alusdokumendid: ISO 15544:2024; EN ISO 15544:2024
Asendab dokumenti: EVS-EN ISO 15544:2010

77 METALLURGIA

EVS-EN 10178:2024
Steels - Determination of niobium - Spectrophotometric method

This document specifies a spectrophotometric method for the determination of niobium in steels. The method is applicable to all grades of steels with niobium contents up to 1,3 % (by mass), with a lower limit of detection of 0,002 % (by mass). The precision data of the present method are given in Annex A.

Keel: en
Alusdokumendid: EN 10178:2024
Asendab dokumenti: EVS-EN 10178:2000

EVS-EN 10179:2024
Steels - Determination of nitrogen (trace amounts) - Spectrophotometric method

This document specifies a spectrophotometric method for the determination of nitrogen in steels. The method is primarily intended for the determination of total nitrogen in very low contents in non-alloy steels. It can be used, however, for any low nitrogen ferrous alloy that is soluble in hydrochloric acid provided that the acid-resistant form of silicon nitride is not present. These highly resistant nitrides have been found only in samples of silicon steels manufactured without aluminium addition and then only in sheet material. The method is applicable to nitrogen contents from 0,000 5 % (by mass) to 0,005 % (by mass). The precision data of the present method are given in Annex A.

Keel: en
Alusdokumendid: EN 10179:2024
Asendab dokumenti: EVS-EN 10179:2000

EVS-EN 10188:2024
Steels and cast irons - Determination of chromium content - Flame atomic absorption spectrometric method (FAAS)

This document specifies a flame atomic absorption spectrometric method (FAAS) for the determination of chromium content in steels and cast irons. The method is applicable to non-alloy and low-alloy steels and cast irons with chromium contents between 0,002 % (by mass) to 2,0 % (by mass). The method can be adapted to lower or higher chromium contents by changing the test portion or the dilution factor, provided the criteria in 6.3.2 and 6.3.3 are still met. The precision data of the present method are given in Annex A.

Keel: en
Alusdokumendid: EN 10188:2024
Asendab dokumenti: EVS-EN 10188:2000

EVS-EN ISO 10062:2022/A1:2024
Corrosion tests in artificial atmosphere at very low concentrations of polluting gas(es) - Amendment 1: Footnote of warning (ISO 10062:2022/Amd 1:2024)

Amendment to EN ISO 10062:2022

Keel: en
Alusdokumendid: ISO 10062:2022/Amd 1:2024; EN ISO 10062:2022/A1:2024
Muudab dokumenti: EVS-EN ISO 10062:2022

EVS-EN ISO 9227:2022/A1:2024
Corrosion tests in artificial atmospheres - Salt spray tests - Amendment 1: Footnote of warning (ISO 9227:2022/Amd 1:2024)

Amendment to EN ISO 9227:2022

Keel: en
Alusdokumendid: ISO 9227:2022/Amd 1:2024; EN ISO 9227:2022/A1:2024
Muudab dokumenti: EVS-EN ISO 9227:2022

EVS-EN ISO 9227:2022+A1:2024
Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2022 + ISO 9227:2022/Amd 1:2024)

This document specifies the apparatus, the reagents and the procedure to be used in conducting the neutral salt spray (NSS), acetic acid salt spray (AASS) and copper-accelerated acetic acid salt spray (CASS) tests for assessment of the corrosion resistance of metallic materials, with or without permanent or temporary corrosion protection. It also describes the method employed to evaluate the corrosivity of the test cabinet environment. It does not specify the dimensions or types of test specimens, the exposure period to be used for a particular product, or the interpretation of results. Such details are provided in the appropriate product specifications. The salt spray tests are particularly useful for detecting discontinuities, such as pores and other defects, in certain metallic, organic, anodic oxide and conversion coatings. The NSS test is particularly applicable to: — metals and their alloys; — metallic coatings (anodic and cathodic); — conversion coatings; — anodic oxide coatings; — organic coatings on metallic materials. The AASS test is especially useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic coatings on aluminium. The CASS test is useful for testing decorative coatings of copper + nickel + chromium, or nickel + chromium. It has also been found suitable for testing anodic and organic

coatings on aluminium. The salt spray methods are all suitable for checking that the quality of a metallic material, with or without corrosion protection, is maintained. They are not intended to be used for comparative testing as a means of ranking different materials relative to each other with respect to corrosion resistance or as means of predicting long-term corrosion resistance of the tested material.

Keel: en
Alusdokumendid: ISO 9227:2022; EN ISO 9227:2022; ISO 9227:2022/Amd 1:2024; EN ISO 9227:2022/A1:2024
Konsolideerib dokumenti: EVS-EN ISO 9227:2022
Konsolideerib dokumenti: EVS-EN ISO 9227:2022/A1:2024

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 21068-2:2024

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 2: Determination of volatile components, total carbon, free carbon, silicon carbide, total and free silicon, free and surface silica (ISO 21068-2:2024)

This document specifies analytical techniques for the determination of volatile components by thermal treatment at specified temperatures, and methods for the determination of the total carbon, free carbon, silicon carbide, total and free silicon and free and surface silica content of silicon-carbide, silicon-nitride and silicon-oxynitride containing raw materials and refractory products.

Keel: en
Alusdokumendid: ISO 21068-2:2024; EN ISO 21068-2:2024
Asendab dokumenti: EVS-EN ISO 21068-2:2008

EVS-EN ISO 21068-3:2024

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 3: Determination of nitrogen, oxygen and metallic and oxidic constituents (ISO 21068-3:2024)

This document specifies analytical techniques for the determination of total nitrogen and nitrogen calculated as silicon nitride, total oxygen, and metallic and oxidic components in silicon carbide raw materials and refractory products.

Keel: en
Alusdokumendid: ISO 21068-3:2024; EN ISO 21068-3:2024
Asendab dokumenti: EVS-EN ISO 21068-3:2008

EVS-EN ISO 21068-4:2024

Chemical analysis of raw materials and refractory products containing silicon-carbide, silicon-nitride, silicon-oxynitride and sialon - Part 4: XRD methods (ISO 21068-4:2024)

This document describes methods for the determination of mineralogical phases typically apparent in nitride and oxy-nitride bonded silicon carbide refractory products using a Bragg-Brentano diffractometer. It includes details of sample preparations and general principles for qualitative and quantitative analyses of mineralogical phase composition. Quantitative determination of α-Si3N4, β-Si3N4, Si2ON2, AlN, and β'- SiAlON are described. For quantitative determination of α-Si3N4, β-Si3N4, Si2ON2, AlN and β'-SiAlON refinement procedures based on the total nitrogen content of the sample are described. NOTE ISO 21068-3 is used for the analysis of the total nitrogen content of the sample.

Keel: en
Alusdokumendid: ISO 21068-4:2024; EN ISO 21068-4:2024

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 6923:2024

Paints and varnishes - Determination of monomeric diisocyanate content in coating materials and similar products using high performance liquid chromatography with ultraviolet detection (HPLC-UV) (ISO 6923:2023)

This document specifies a method for the quantitative determination of monomeric diisocyanate content in coating materials, adhesives and other liquid or pasty materials. This method is suitable for the quantification of the following monomeric diisocyanates: methylene diphenyl diisocyanate (MDI, 2,4'-MDI and 4,4'-MDI), toluene diisocyanate (TDI, 2,6-TDI, 2,4-TDI), (cis/trans) isophorone diisocyanate (IPDI) and hexamethylene diisocyanate (HDI,1,6-HDI) in various matrices for concentrations ranging from 0,01 % to 2,0 % mass fraction. For higher concentrations, a suitable dilution before the derivatization with p-nitrobenzyl-N-propylamine (PNBPA) is performed. The measurements are carried out using ultra high performance liquid chromatography (UHPLC) with a multiple wavelength detector.

Keel: en
Alusdokumendid: ISO 6923:2023; EN ISO 6923:2024

91 EHITUSMATERJALID JA EHITUS

CEN/TS 17951:2024
Lighting Applications - Adaptive Emergency Escape Lighting Systems

This CEN Technical Specification specifies the lighting and operating requirements for the application of adaptive emergency escape lighting systems that can interact with management and control systems or be provided with functionality to modify the operation of emergency escape lighting according to situational requirements, in terms of luminous flux output, escape directions and the characteristics and meaning of emergency escape lighting. The situational requirements can require the involvement and interaction with components and systems other than emergency escape lighting systems. Requirements for these components or systems are not part of this document.

Keel: en
Alusdokumendid: CEN/TS 17951:2024

EVS 927:2018/A1:2024
Ehituslik põletatud põlevkivi. Spetsifikatsioon, toimivus ja vastavus
Burnt shale for building materials. Specification, performance and conformity

Standardi EVS 927:2018 muudatus.

Keel: et
Muudab dokumenti: EVS 927:2018

EVS 927:2018+A1:2024
Ehituslik põletatud põlevkivi. Spetsifikatsioon, toimivus ja vastavus
Burnt shale for building materials. Specification, performance and conformity

See Eesti standard rakendub põletatud põlevkivile (PP-le), mis saadakse põlevkivi termilisel töötlemisel ja saadud peendispersse mineraalosa separeerimise teel. PP koosneb klinkermineraalidest, vabast lubjast, dehüdratiseerunud kaltsiumsulfaadist, klaasifaasist ja lahustumatust vabast jäägist. Selle standardi kohaselt eristatakse PP eriliike: - CEM BS; - CON BS; - AAC BS; - COM BS. Selles Eesti standardis määratakse kindlaks põletatud põlevkivi omadused, vajalikud katsemeetodid ja vastavushindamise kord.

Keel: et
Konsolideerib dokumenti: EVS 927:2018
Konsolideerib dokumenti: EVS 927:2018/A1:2024

93 RAJATISED

EVS-EN 12352:2024
Traffic control equipment - Warning and safety light devices

This European Standard specifies the requirements for individual electrically operated light devices, called warning lights, emitting a continuous or regular intermittent light of a single colour which, by their colour and position alone, are used to warn, inform or guide road users. It specifies the requirements for visual, structural and operational performances and the relevant test methods to be used. These devices rely upon existing furniture to provide the mounting. This European Standard is not applicable to lighting devices which convey messages by additional means (e.g. variable message signs) or which convey a mandatory instruction (e.g. traffic signals) or which are covered by vehicle lighting regulations. This European Standard does not consider horizontal loads because it is the mounting to which they are fixed, which is not covered by this European Standard, which has to resist applied horizontal loads.

Keel: en
Alusdokumendid: EN 12352:2024
Asendab dokumenti: EVS-EN 12352:2006

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 958:2024
Mägironimisvarustus. Löögisummuti trossiradadel (klettersteig/via ferrata) ronimiseks. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Energy absorbing systems for use in klettersteig (via ferrata) climbing - Safety requirements and test methods

This document specifies safety requirements and test methods for energy absorbing systems (EAS) for use on suitable via ferrata (e.g. EN 16869:2017), for users weighing not less than 40 kg (total weight without equipment) and no more than 120 kg (total weight including the equipment). NOTE This document is one of a package of standards for mountaineering equipment, see Annex A.

Keel: en
Alusdokumendid: EN 958:2024
Asendab dokumenti: EVS-EN 958:2017

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN IEC 62933-1:2018
Electrical Energy Storage (EES) systems - Part 1: Vocabulary

Keel: en
Alusdokumendid: IEC 62933-1:2018; EN IEC 62933-1:2018
Asendatud järgmise dokumendiga: EVS-EN IEC 62933-1:2024
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 18113-2:2011
In vitro diagnostika meditsiiniseadmed. Tootja poolt antav teave (etikettimine). Osa 2: In vitro diagnostika reagendid professionaalseks kasutuseks
In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 2: In vitro diagnostic reagents for professional use (ISO 18113-2:2009)

Keel: en
Alusdokumendid: ISO 18113-2:2009; EN ISO 18113-2:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 18113-2:2024
Standardi staatus: Kehtetu

EVS-EN ISO 18113-3:2011
In vitro diagnostika meditsiiniseadmed. Tootja poolt antav teave (etikettimine). Osa 3: In vitro diagnostika instrumendid professionaalseks kasutuseks
In vitro diagnostic medical devices - Information supplied by the manufacturer (labelling) - Part 3: In vitro diagnostic instruments for professional use (ISO 18113-3:2009)

Keel: en
Alusdokumendid: ISO 18113-3:2009; EN ISO 18113-3:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 18113-3:2024
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 13819-1:2020
Hearing protectors - Testing - Part 1: Physical test methods

Keel: en
Alusdokumendid: EN 13819-1:2020
Asendatud järgmise dokumendiga: EVS-EN 13819-1:2020+A1:2024
Standardi staatus: Kehtetu

EVS-EN 352-2:2020
Kuulmiskaitsevahendid. Üldnõuded. Osa 2: Kõrvatropid
Hearing protectors - General requirements - Part 2: Earplugs

Keel: en
Alusdokumendid: EN 352-2:2020
Asendatud järgmise dokumendiga: EVS-EN 352-2:2020+A1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 17491-4:2008
Kaitserõivad. Kaitse vedelate kemikaalide eest. Katsemeetod vastupidavuse määramiseks pihustuse sisseimbumisele (pihustuskatse)
Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test)

Keel: en
Alusdokumendid: ISO 17491-4:2008; EN ISO 17491-4:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 17491-4:2024
Muudetud järgmise dokumendiga: EVS-EN ISO 17491-4:2008/A1:2016
Standardi staatus: Kehtetu

EVS-EN ISO 17491-4:2008/A1:2016

Kaitserõivad. Kaitse vedelate kemikaalide eest. Katsemeetod vastupidavuse määramiseks pihustuse sisseimbumisele (pihustuskatse)
Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (ISO 17491-4:2008/Amd 1:2016)

Keel: en
Alusdokumendid: ISO 17491-4:2008/Amd 1:2016; EN ISO 17491-4:2008/A1:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 17491-4:2024
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN ISO 11664-5:2016

Colorimetry - Part 5: CIE 1976 L*u*v* Colour space and u', v' uniform chromaticity scale diagram (ISO/CIE 11664-5:2016)

Keel: en
Alusdokumendid: ISO/CIE 11664-5:2016; EN ISO 11664-5:2016
Asendatud järgmise dokumendiga: EVS-EN ISO/CIE 11664-5:2024
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN ISO 16946:2017

Non-destructive testing - Ultrasonic testing - Specification for step wedge calibration block (ISO 16946:2017)

Keel: en
Alusdokumendid: ISO 16946:2017; EN ISO 16946:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 16946:2024
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 6134:2017

Rubber hoses and hose assemblies for saturated steam - Specification (ISO 6134:2017)

Keel: en
Alusdokumendid: ISO 6134:2017; EN ISO 6134:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 6134:2024
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50214:2007

Lamedad polüvinüülkloriidmantliga paindkaablid
Flat polyvinyl chloride sheathed flexible cables

Keel: en
Alusdokumendid: EN 50214:2006; EN 50214:2006/AC:2007
Asendatud järgmise dokumendiga: EVS-EN 50214:2024
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 61280-4-2:2014

Fibre-optic communication subsystem test procedures - Part 4-2: Installed cable plant - Single-mode attenuation and optical return loss measurement

Keel: en
Alusdokumendid: IEC 61280-4-2:2014; EN 61280-4-2:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61280-4-2:2024
Standardi staatus: Kehtetu

EVS-EN 61300-2-27:2002
Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-27: Tests - Dust - Laminar flow

Keel: en
Alusdokumendid: IEC 61300-2-27:1995; EN 61300-2-27:1997
Asendatud järgmise dokumendiga: EVS-EN IEC 61300-2-27:2024
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 16116-2:2021
Raudteealased rakendused. Konstruktsiooninõuded astmetele, käsipuudele ja seonduvatele personali juurdepääsuteedele. Osa 2: Kaubavagunid
Railway applications - Design requirements for steps, handrails and associated access for staff - Part 2: Freight wagons

Keel: en
Alusdokumendid: EN 16116-2:2021
Asendatud järgmise dokumendiga: EVS-EN 16116-2:2024
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3672:2016
Aerospace series - Shank nuts, self-locking, in heat resisting nickel base alloy NI-P101HT (Waspaloy), silver plated, for 30°C swage - Classification: 1 210 MPa (at ambient temperature) / 730°C

Keel: en
Alusdokumendid: EN 3672:2016
Asendatud järgmise dokumendiga: EVS-EN 3672:2024
Standardi staatus: Kehtetu

EVS-EN 4530-002:2006
Aerospace series - Sealing sleeves used in elements of connection - Part 002: List and utilization of sealing sleeves

Keel: en
Alusdokumendid: EN 4530-002:2006
Asendatud järgmise dokumendiga: EVS-EN 4530-002:2024
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 13016-1:2018
Liquid petroleum products - Vapour pressure - Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)

Keel: en
Alusdokumendid: EN 13016-1:2018
Asendatud järgmise dokumendiga: EVS-EN 13016-1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 15544:2010
Petroleum and natural gas industries - Offshore production installations - Requirements and guidelines for emergency response

Keel: en
Alusdokumendid: ISO 15544:2000+Amd 1:2009; EN ISO 15544:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 15544:2024
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 10178:2000
Mustmetallide keemiline analüüs. Nioobiumisisalduse määramine terases. Spektrofotomeetriline meetod
Chemical analysis of ferrous materials - Determination of niobium in steels - Spectrophotometric method

Keel: en
Alusdokumendid: EN 10178:1989
Asendatud järgmise dokumendiga: EVS-EN 10178:2024
Standardi staatus: Kehtetu

EVS-EN 10179:2000
Mustmetallide keemiline analüüs. Lämmastiku (mikro)sisalduse määramine terases. Spektrofotomeetriline meetod
Chemical analysis of ferrous materials - Determination of nitrogen (trace amount) in steels - Spectrophotometric method

Keel: en
Alusdokumendid: EN 10179:1989
Asendatud järgmise dokumendiga: EVS-EN 10179:2024
Standardi staatus: Kehtetu

EVS-EN 10188:2000
Mustmetallide keemiline analüüs. Kroomisisalduse määramine terases ja rauas. Leekaatomiabsorptsioon-spektromeetriline meetod
Chemical analysis of ferrous materials - Determination of chromium in steels and irons. Flame atomic absorption spectrometric method

Keel: en
Alusdokumendid: EN 10188:1989
Asendatud järgmise dokumendiga: EVS-EN 10188:2024
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN ISO 21068-2:2008
Silikoonkarbiidi sisaldavate toormaterjalide ja tulekindlate toodete keemiline analüüs. Osa 2: Süttimisel tekkivate kadude, üldsüsiniku, vaba süsiniku ja vaba ränikarbiidi, üld- ja vaba ränidioksiidi ja üld- ja vaba räni määramine
Chemical analysis of silicon carbide containing raw materials and refractory products - Part 2: Determination of loss on ignition, total carbon, free carbon and silicon carbide, total and free silica and total and free silicon

Keel: en
Alusdokumendid: ISO 21068-2:2008; EN ISO 21068-2:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 21068-2:2024
Standardi staatus: Kehtetu

EVS-EN ISO 21068-3:2008
Silikoonkarbiidi sisaldavate toormaterjalide ja tulekindlate toodete keemiline analüüs. Osa 3: Lämmastiku, hapniku ning metalliliste ja oksiidipõhiste komponentide määramine
Chemical analysis of silicon carbide containing raw materials and refractory products - Part 3: Determination of nitrogen, oxygen and metallic and oxidic constituants

Keel: en
Alusdokumendid: ISO 21068-3:2008; EN ISO 21068-3:2008
Asendatud järgmise dokumendiga: EVS-EN ISO 21068-3:2024
Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 12352:2006

Liikluskorralduse vahendid. Hoiatus- ja ohutuslambid
Traffic control equipment - Warning and safety light devices

Keel: en
Alusdokumendid: EN 12352:2006
Asendatud järgmise dokumendiga: EVS-EN 12352:2024
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 958:2017

Mountaineering equipment - Energy absorbing systems for use in klettersteig (via ferrata) climbing - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 958:2017
Asendatud järgmise dokumendiga: EVS-EN 958:2024
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

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

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

Iga arvamusküsitlusel oleva kavandi kohta on esitatud alljärgnev informatsioon:
• tähis;
• pealkiri;
• käsitlusala;
• keel (en = inglise; et = eesti);
• Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
• asendusseos, selle olemasolul;
• arvamuste esitamise tähtaeg.

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

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN ISO 6590-1
Packaging - Terminology - Part 1: Paper sacks (ISO/DIS 6590-1:2024)

This part of ISO 6590 defines terms commonly used in paper sack manufacture. It refers to single- and multi-ply sacks made from paper; it does not refer to bags for the retail trade. It specifies types of sacks, constructional details, materials and describes parts of a sack. It delivers alphabetical indices in three languages.

Keel: en
Alusdokumendid: ISO/DIS 6590-1; prEN ISO 6590-1
Asendab dokumenti: EVS-EN 26590-1:2003

Arvamusküsitluse lõppkuupäev: 29.08.2024

11 TERVISEHOOLDUS

EN ISO 10993-12:2021/prA1
Biological evaluation of medical devices - Part 12: Sample preparation and reference materials - Amendment 1 (ISO 10993 12:2021/DAM 1:2024)

Amendment to EN ISO 10993-12:2021

Keel: en
Alusdokumendid: ISO 10993-12:2021/DAmd 1; EN ISO 10993-12:2021/prA1
Muudab dokumenti: EVS-EN ISO 10993-12:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 10993-7
Biological evaluation of medical devices - Part 7: Ethylene oxide sterilization residuals (ISO/DIS 10993-7:2024)

ISO 10993-7:2008 specifies allowable limits for residual ethylene oxide (EO) and ethylene chlorohydrin (ECH) in individual EO-sterilized medical devices, procedures for the measurement of EO and ECH, and methods for determining compliance so that devices may be released. Additional background, including guidance and a flowchart showing how the standard is applied are also included in informative annexes. EO-sterilized devices that have no patient contact (e.g., in vitro diagnostic devices) are not covered by ISO 10993-7:2008.

Keel: en
Alusdokumendid: ISO/DIS 10993-7; prEN ISO 10993-7
Asendab dokumenti: EVS-EN ISO 10993-7:2008
Asendab dokumenti: EVS-EN ISO 10993-7:2008/A1:2022
Asendab dokumenti: EVS-EN ISO 10993-7:2008/AC:2009
Asendab dokumenti: EVS-EN ISO 10993-7:2008+A1:2022

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 13504

Dentistry - General requirements for instruments and related accessories used in dental implant placement and treatment (ISO/DIS 13504:2024)

ISO 13504:2012 specifies general requirements for the manufacture of instruments and related accessories used in the placement of dental implants and further manipulations of connecting parts in the craniofacial area. It is applicable to single-use and reusable instruments, regardless of whether they are manually driven or connected to a power-driven system.

Keel: en
Alusdokumendid: ISO/DIS 13504; prEN ISO 13504
Asendab dokumenti: EVS-EN ISO 13504:2012

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 14155

Clinical investigation of medical devices for human subjects - Good clinical practice (ISO/DIS 14155:2024)

This document addresses good clinical practice for the design, conduct, recording and reporting of clinical investigations carried out in human subjects to assess the clinical performance or effectiveness and safety of medical devices. For post-market clinical investigations, the principles set forth in this document are intended to be followed as far as relevant, considering the nature of the clinical investigation (see Annex I). This document specifies general requirements intended to — protect the rights, safety and well-being of human subjects, — ensure the scientific conduct of the clinical investigation and the credibility of the clinical investigation results, — define the responsibilities of the sponsor and principal investigator, and — assist sponsors, investigators, ethics committees, regulatory authorities and other bodies involved in the conformity assessment of medical devices. NOTE 1 Users of this document need to consider whether other standards and/or national requirements also apply to the investigational device(s) under consideration or the clinical investigation. If differences in requirements exist, the most stringent apply. NOTE 2 For Software as a Medical Device (SaMD) demonstration of the analytical validity (the SaMD's output is accurate for a given input), and where appropriate, the scientific validity (the SaMD's output is associated to the intended clinical condition/physiological state), and clinical performance (the SaMD's output yields a clinically meaningful association to the target use) of the SaMD, the requirements of this document apply as far as relevant (see Reference [4]). Justifications for exemptions from this document can consider the uniqueness of indirect contact between subjects and the SaMD. This document does not apply to in vitro diagnostic medical devices. However, there can be situations, dependent on the device and national or regional requirements, where users of this document might consider whether specific sections and/or requirements of this document could be applicable.

Keel: en
Alusdokumendid: ISO/DIS 14155; prEN ISO 14155
Asendab dokumenti: EVS-EN ISO 14155:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 4823

Dentistry - Elastomeric impression and bite registration materials (ISO/DIS 4823:2024)

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

Keel: en
Alusdokumendid: ISO/DIS 4823; prEN ISO 4823
Asendab dokumenti: EVS-EN ISO 4823:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN IEC 62115:2020/prA1:2024

Amendment 1 - Electric toys - Safety

Amendment to EN IEC 62115:2020

Keel: en
Alusdokumendid: 61/7248/CDV; EN IEC 62115:2020/prA1:2024
Muudab dokumenti: EVS-EN IEC 62115:2020
Muudab dokumenti: EVS-EN IEC 62115:2020+A11:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 14972-13

Fixed firefighting systems - Water mist systems - Part 13: Test protocol for wet benches and other similar processing equipment for open nozzle systems

This document specifies the evaluation of the fire performance of water mist systems for wet benches and other similar processing equipment.

Keel: en
Alusdokumendid: prEN 14972-13

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 16663

Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Wooden commodities exposed in Use Class 3 (Not covered, not in contact with the ground) - Semi-field method

This document specifies a method for determining the leaching of active ingredients or other compounds from preservative treated wood by a semi-field method for Use Class 3 (outdoor above ground). The preservative treated wood can be tested with or without subsequently surface coating or other water-repellent treatment. The method is applicable to the testing of commercial or experimental preservatives or paint systems applied to timber by methods appropriate to commercial practice.

Keel: en
Alusdokumendid: prEN 16663
Asendab dokumenti: CEN/TS 16663:2016

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 18087

Devices for in situ generation of biocides - Chlorine dioxide generated from sodium chlorite by acidification or oxidation

This document contains requirements for dosing systems for chlorine dioxide generation according to the chlorite-chlorine gas process, the chlorite-acid process and the chlorite-sodium peroxodisulphate process, which are used for the disinfection and oxidation of substances in water. The chlorine dioxide (ClO2) solution is produced on site (in situ) by automated mixing of chemical precursors. This document applies to the treatment of water for human consumption, rinsing water for filters for swimming and bathing pools as well as for other uses (e.g. cooling water, process water, etc.

Keel: en
Alusdokumendid: prEN 18087

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 60335-2-21:2024

Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

IEC 60335-2-21:2022 deals with the safety of electric storage water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances including direct current (DC) supplied appliances and battery-operated appliances. This standard also deals with: – appliances not intended for normal household use, but which nevertheless possibly pose a source of danger to the public, such as appliances intended to be used by laymen in shops and on farms; – immersion heater units intended to be retrofitted in a heat exchange closed water heater having provision for retrofitting. Additional requirements are given in Annex AA. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account – persons (including children) whose physical, sensory or mental capabilities, or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; – children playing with the appliance. Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities; – in many countries regulations exist for the installation of equipment connected to the water mains. This standard does not apply to – appliances for boiling water (IEC 60335-2-15); – instantaneous water heaters (IEC 60335-2-35); – commercial dispensing appliances and vending machines (IEC 60335-2-75); – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This seventh edition cancels and replaces the sixth edition published in 2012 and Amendment 1:2018. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the text has been aligned with IEC 60335-1:2020; b) some notes have been converted to normative text (Clause 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47, 22.104, 22.110, Annex AA introduction); c) updated requirement restricting use of appliance inlets (25.1). This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments unless that edition precludes it; in that case, the latest edition that does not preclude it is used. It was established on the basis of the sixth edition (2020) of that standard.

Keel: en
Alusdokumendid: prEN IEC 60335-2-21:2024; IEC 60335-2-21:2022
Asendab dokumenti: EVS-EN 60335-2-21:2021
Asendab dokumenti: EVS-EN 60335-2-21:2021/A1:2021
Asendab dokumenti: EVS-EN 60335-2-21:2021+A1:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 60335-2-21:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

Amendment to prEN IEC 60335-2-21:2024

Keel: en
Alusdokumendid: prEN IEC 60335-2-21:2024/prAA:2024
Muudab dokumenti: prEN IEC 60335-2-21:2024

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 14644-5

Cleanrooms and associated controlled environments - Part 5: Operations (ISO/DIS 14644-5:2024)

ISO 14644-5:2004 specifies basic requirements for cleanroom operations. It is intended for those planning to use and operate a cleanroom. Aspects of safety that have no direct bearing on contamination control are not considered in this part of ISO 14644 and national and local safety regulations must be observed. This document considers all classes of cleanrooms used to produce all types of products. Therefore, it is broad in application and does not address specific requirements for individual industries. Methods and programmes for routine monitoring within cleanrooms are not covered in detail in this part of ISO 14644 but reference should be made to ISO 14644-2 and ISO 14644-3 for monitoring particles, and ISO 14698-1 and ISO 14698-2 for monitoring micro-organisms.

Keel: en
Alusdokumendid: ISO/DIS 14644-5; prEN ISO 14644-5
Asendab dokumenti: EVS-EN ISO 14644-5:2004

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 16094-3

Water quality - Analysis of microplastic in water - Part 3: Thermo-analytical methods for waters with low content of suspended solids including drinking water (ISO/DIS 16094-3:2024)

This document sets out key principles for the investigation of microplastics using thermo-analytical methods in water with low content of natural suspended solids. This document gives requirements for the standardisation of methods towards harmonized procedures for determination of microplastics contents.

Keel: en
Alusdokumendid: ISO/DIS 16094-3; prEN ISO 16094-3

Arvamusküsitluse lõppkuupäev: 29.08.2024

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN ISO 17201-2

Acoustics - Noise from shooting ranges - Part 2: Calculation of muzzle blast (ISO/DIS 17201-2:2024)

This document specifies a computational method (in line with ISO 17201-4) for estimating the acoustic source data of muzzle blast and explosions on the basis of non-acoustic data for firearms with calibres less than 20 mm and explosions less than 50 g TNT equivalent. This document addresses those cases where no source measurements exist. This document can also be used as an interpolation method between measurements of muzzle blast. Source data are given in terms of spectral angular source energy covering the frequency range from 12,5 Hz to 10 kHz and can be used as data input for sound propagation calculation. This document is not applicable to the prediction of sound levels for the assessment of hearing damage; neither can it be used to predict sound pressure levels nor sound exposure levels at distances where linear acoustics do not apply.

Keel: en
Alusdokumendid: ISO/DIS 17201-2; prEN ISO 17201-2
Asendab dokumenti: EVS-EN ISO 17201-2:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 17201-4

Acoustics - Noise from shooting ranges - Part 4: Calculation of projectile sound (ISO/DIS 17201-4:2024)

ISO 17201-4:2006 provides a computational model for determining the acoustical source level of projectile sound and its one-third-octave-band spectrum, expressed as the sound exposure level for nominal mid-band frequencies from 12,5 Hz to 10 kHz. It also gives guidance on how to use this source level to calculate the sound exposure level at a receiver position. ISO 17201-4:2006 is intended for calibres of less than 20 mm, but can also be applied for large calibres. Additionally, the data can be used to compare sound emission from different types of ammunition used with the same weapon. This part of ISO 17201 is meant for weapons used in civil shooting ranges, but is also applicable to military weapons.

Keel: en
Alusdokumendid: ISO/DIS 17201-4; prEN ISO 17201-4
Asendab dokumenti: EVS-EN ISO 17201-4:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

19 KATSETAMINE

prEN ISO 16809

Non-destructive testing - Ultrasonic thickness determination (ISO/DIS 16809:2024)

ISO 16809:2017 specifies the principles for ultrasonic thickness measurement of metallic and non-metallic materials by direct contact, based on measurement of time of flight of ultrasonic pulses only.

Keel: en
Alusdokumendid: ISO/DIS 16809; prEN ISO 16809
Asendab dokumenti: EVS-EN ISO 16809:2019

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 16828

Non-destructive testing - Ultrasonic testing - Time-of-flight diffraction technique for detection and sizing of discontinuities (ISO/DIS 16828:2024)

ISO 16828:2012 defines the general principles for the application of the time-of-flight diffraction (TOFD) technique for both detection and sizing of discontinuities in low alloyed carbon steel components. It can also be used for other types of materials, provided the application of the TOFD technique is performed with necessary consideration of geometry, acoustical properties of the materials, and the sensitivity of the examination. Although it is applicable, in general terms, to discontinuities in materials and applications covered by ISO 16810, it contains references to the application on welds. This approach has been chosen for reasons of clarity as to the ultrasonic probe positions and directions of scanning. Unless otherwise specified in the referencing documents, the minimum requirements of ISO 16828:2012 are applicable. Unless explicitly stated otherwise, ISO 16828:2012 is applicable to the following product classes as defined in ISO 16811: a) class 1, without restrictions; b) classes 2 and 3, restrictions apply as stated in Clause 9. The inspection of products of classes 4 and 5 requires special procedures. These are also addressed in Clause 9. Techniques for the use of TOFD for weld inspection are described in ISO 10863. The related acceptance criteria are given in ISO 15626.

Keel: en
Alusdokumendid: ISO/DIS 16828; prEN ISO 16828
Asendab dokumenti: EVS-EN ISO 16828:2014

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 19232-3

Non-destructive testing - Image quality of radiographs - Part 3: Image quality classes (ISO/DIS 13232-3:2024)

This part of ISO 19232 specifies the minimum image quality values to ensure a uniform radiographic quality. It applies to the two types of image quality indicator as detailed in ISO 19232-1 for wire-type IQIs and ISO 19232-2 for step/hole-type IQIs and for the two testing classes A and B as described in ISO 5579. Values are specified for these two testing classes of radiographic techniques as specified in ISO 5579.

Keel: en
Alusdokumendid: ISO/DIS 19232-3; prEN ISO 19232-3
Asendab dokumenti: EVS-EN ISO 19232-3:2013

Arvamusküsitluse lõppkuupäev: 29.08.2024

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 12106

Plastics piping systems - Polyethylene (PE), crosslinked polyethylene (PE-X) and unplasticized polyamide (PA-U) pipes - Test method for the resistance to internal pressure after application of squeeze-off

This document specifies a method to determine the resistance to internal pressure of polyethylene (PE), crosslinked polyethylene (PE-X) and unplasticized (PA-U) pipes to verify the condition of the pipe after being subjected to a squeeze-off procedure. The equipment and procedure used to prepare the test samples and test parameters are given in this document, i.e.: a) the diameter and series of the pipe to be tested (see 6.1); b) the number of test pieces (see 6.2); c) the parameters for the hydrostatic strength tests (see 7.6) NOTE 1 Further information on the squeeze-off procedure is given in EN 12007-2 and ISO/TS 10839 for polyethylene, and CEN/TS 12007-6 for unplasticized polyamide. NOTE 2 The squeeze-off procedure is specified to limit gas flow to allow maintenance, repair or to make network connections. Squeeze-off is used in an emergency for pipes carrying other media.

Keel: en
Alusdokumendid: prEN 12106
Asendab dokumenti: EVS-EN 12106:1999

Arvamusküsitluse lõppkuupäev: 29.08.2024

25 TOOTMISTEHNOLOOGIA

prEN ISO 15614-9

Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 9: Underwater hyperbaric wet welding (ISO/DIS 15614-9:2024)

This document specifies how a preliminary welding procedure specification (pWPS) for hyperbaric wet welding is qualified by welding procedure tests.

Keel: en
Alusdokumendid: ISO/DIS 15614-9; prEN ISO 15614-9

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO/ASTM 52937

Additive manufacturing of metals - Qualification principles - Tasks and related skills for AM (ISO/ASTM DIS 52937:2024)

This document specifies personnel qualification criteria for the theoretical and practical assessment of designers covering multiple metal Additive Manufacturing (AM) processes. The activities and procedures foreseen to be performed by the designer are also part of the standard. This document is intended to provide guidance for qualification designers in general industrial applications.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52937; prEN ISO/ASTM 52937

Arvamusküsitluse lõppkuupäev: 29.08.2024

29 ELEKTROTEHNIKA

EN 50124-1:2017/prA1:2024

Railway applications - Insulation coordination - Part 1: Basic requirements - Clearances and creepage distances for all electrical and electronic equipment

This European Standard deals with insulation coordination in railways. It applies to equipment for use in signalling, rolling stock and fixed installations. Insulation coordination is concerned with the selection, dimensioning and correlation of insulation both within and between items of equipment. In dimensioning insulation, electrical stresses and environmental conditions are taken into account. For the same conditions and stresses, these dimensions are the same. An objective of insulation coordination is to avoid unnecessary over dimensioning of insulation. This standard specifies: - requirements for clearances and creepage distances for equipment; - general requirements for tests pertaining to insulation coordination. The term equipment relates to a section as defined in 3.3 it may apply to a system, a sub-system, an apparatus, a part of an apparatus, or a physical realization of an equipotential line. This standard does not deal with: - distances through solid or liquid insulation; - distances through gases other than air; - distances through air not at atmospheric pressure; - equipment used under extreme conditions. Product standards should align with this generic standard. However, they may require, with justification, different requirements due to safety and/or reliability reasons, e.g. for signalling, and/or particular operating conditions of the equipment itself, e.g. overhead contact lines which should comply with EN 50119. This standard also gives provisions for dielectric tests (type tests or routine tests) on equipment (see Annex B). NOTE For safety critical systems, specific requirements are needed. These requirements are given in the product specific signalling standard EN 50129.

Keel: en
Alusdokumendid: EN 50124-1:2017/prA1:2024
Muudab dokumenti: EVS-EN 50124-1:2017

Arvamusküsitluse lõppkuupäev: 29.08.2024

EN 50160:2022/prA1:2024

Voltage characteristics of electricity supplied by public electricity networks

This document specifies the main characteristics of the voltage at a network user's supply terminals in public low voltage, medium, high, and extra-high voltage AC electricity networks under normal operating conditions. This document specifies the limits or values within which the voltage characteristics can be expected to remain at any supply terminal in public European electricity networks, only. Industrial networks are excluded from the scope of EN 50160. NOTE 1 If non-public networks (e.g. residential quarters, energy communities, office centres, shopping centres) have similar end-users as public networks, it is strongly advised to apply the same requirements as for public networks. This document does not apply under abnormal operating conditions, including the following: a) a temporary supply arrangement to keep network users supplied during conditions arising as a result of a fault, maintenance and construction work, or to minimize the extent and duration of a loss of supply; b) in the case of non-compliance of a network user's installation or equipment with the relevant standards or with the technical requirements for connection, established either by the public authorities or the network operator, including the limits for the emission of conducted disturbances; NOTE 2 A network user’s installation can include load and generation. c) in exceptional situations, in particular: 1) exceptional weather conditions and other natural disasters; 2) third party interference; 3) acts by public authorities, 4) industrial actions (subject to legal requirements); 5) force majeure; 6) power shortages resulting from external events. The voltage characteristics given in this document refer to conducted disturbances in public electric power networks. They are not intended to be used as electromagnetic compatibility (EMC) levels or product emission limits. Power quality is related to EMC in several ways – especially because compliance with power quality requirements depends on the control of cumulative effect of electromagnetic emissions from all/multiple equipment and/or installations. Therefore, the voltage characteristics given in this document gives guidance for specifying requirements in equipment product standards and in installation standards. NOTE 3 The performance of equipment might be impaired if it is subjected to supply conditions which are not specified in the equipment product standard.

NOTE 4 This document can be superseded in total or in part by the terms of a contract between the individual network user and the network operator. The sharing of complaint management and problem mitigation costs between the involved parties is outside the scope of EN 50160.

Keel: en
Alusdokumendid: EN 50160:2022/prA1:2024
Muudab dokumenti: EVS-EN 50160:2023

Arvamusküsitluse lõppkuupäev: 29.08.2024

EN IEC 60851-1:2021/prA1:2024

Amendment 1 - Winding wires - Test methods - Part 1: General

Amendment to EN IEC 60851-1:2021

Keel: en
Alusdokumendid: 55/2045/CDV; EN IEC 60851-1:2021/prA1:2024
Muudab dokumenti: EVS-EN IEC 60851-1:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 62133-1:2024

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems

This part of IEC 62133 specifies requirements and tests for the safe operation of portable sealed secondary nickel cells and batteries containing alkaline electrolyte, under intended use and reasonably foreseeable misuse.

Keel: en
Alusdokumendid: 21A/890/CDV; prEN IEC 62133-1:2024
Asendab dokumenti: EVS-EN 62133-1:2017

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 62674-1:2024

High frequency inductive components - Part 1: Fixed surface mount inductors for use in electronic and telecommunication equipment

This part of IEC 62674 applies to fixed surface mount inductors and fixed surface mount ferrite beads. The object of this standard is to define the terms necessary to describe the inductors covered by this standard, provide recommendations for preferred characteristics, recommended performance, test methods and general guidance.

Keel: en
Alusdokumendid: 51/1505/CDV; prEN IEC 62674-1:2024
Asendab dokumenti: EVS-EN 62674-1:2013

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 63522-3:2024

Electrical relays - Tests and measurements - Part 3: Relay coil properties

This document is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of specimens to perform under expected conditions of transportation, storage and all aspects of operational use. The object of this test is to ensure that the properties of the relay coil(s) are within the specified limits.

Keel: en
Alusdokumendid: 94/1023/CDV; prEN IEC 63522-3:2024

Arvamusküsitluse lõppkuupäev: 29.08.2024

31 ELEKTROONIKA

EN IEC 60512-99-002:2022/prA1:2024

Amendment 1 - Connectors for electrical and electronic equipment - Tests and measurements - Part 99-002: Endurance test schedules - Test 99b: Test schedule for unmating under electrical load

Amendment to EN IEC 60512-99-002:2022

Keel: en
Alusdokumendid: 48B/3106/CDV; EN IEC 60512-99-002:2022/prA1:2024
Muudab dokumenti: EVS-EN IEC 60512-99-002:2022

Arvamusküsitluse lõppkuupäev: 29.08.2024

33 SIDETEHNIKA

prEN 303 354 V1.1.8

Kohaliku TV ringhäälingu vastuvõtja võimendid ja aktiivantennid; Raadiospektrile juurdepääsu harmoneeritud standard

Amplifiers and active antennas for TV broadcast reception in domestic premises; Harmonised standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for: 1) Indoor and outdoor amplifiers for broadcast TV and sound reception at UHF (470 MHz to 694 MHz) and at VHF (174 MHz to 230 MHz). 2) Indoor active antennas for broadcast TV and sound reception at UHF (470 MHz to 694 MHz) and at VHF (174 MHz to 230 MHz). NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 354 V1.1.8

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 303 760 V1.1.0

SmartM2M; SAREF Guidelines for IoT Semantic Interoperability; Develop, apply and evolve Smart Applications ontologies

The present document gives guidance and provisions for making IoT smart applications and products interoperable at the semantic level in compliance to the SAREF framework. It contains provisions about how to use SAREF, points to the relevant existing Technical Reports and Technical Specifications and specifies a methodology to follow for showing SAREF compliance according to the present SAREF EN. Further on, it describes how to contribute optionally to a new SAREF extension (if what Users need is not yet in the SAREF framework). The present document addresses parties involved in the development and manufacturing of IoT smart applications and products, who might take different roles in their organization like: • executives and product owners, who decide on to invest in a SAREF-compliant product; • developers, who will implement a SAREF-compliant product as non-ontology experts or even ontology experts. Different roles imply different intentions and expectations when reading the present document according to their tasks in the organization. The present document considers this by its implemented structure. Clause 4 provides guidance about how to go throughout the present document in order to judge, which clauses might be essential for the special role of the reader and which ones might be skipped. The present document is structured as follows: • Clauses 1 to 3 set the scene and provide references as well as definitions of terms, symbols and abbreviations, which are used in the present document. • Clause 4 defines the motivation and principles shared by those who are reading the present document also serving as a checkpoint whether the reader is in the right place or not. It includes a brief reading guide as not everyone needs to read every part of the present document, depending on the reader's role and expertise. • Clause 5.1 provides guidance about the best practice of specifying use cases as the important basis for deriving requirements from them. • Clause 5.2 provides guidance/provisions about identifying core elements from the use cases defined in clause 5.1. • Clause 5.3 describes, how to get acquainted with SAREF. • Clause 5.4 provides guidance /provisions about ensuring that the correct (latest) versions of the relevant SAREF modules/patterns/extensions are selected. It illustrates, how to document the version of those SAREF modules, which the product, application, or possible ontology extension is compliant to. • Clause 6.1 provides guidance/provisions about the translation of data into SAREF. • Clause 6.2 gives guidance about testing "SAREF-compliant data" in one example application of interoperability exchange with another organization/manufacturer/brand. • Clause 7.1 provides guidance/provisions about creating a new SAREF extension (or pattern). • Clause 7.2 provides guidance/provisions about checking SAREF compliance of a new created SAREF extension without going (yet) to an official standardization contribution to ETSI. • Clause 8 describes the process of incorporating a new created SAREF extension according to clause 7 in the official standardization process in ETSI, which will then result in a new official extension/pattern (SAREF4abcd) under the ETSI SAREF namespace. • Annex A contains an example of a possible use case to provide context to clause 5.1. • Annex B contains examples of relevant core elements from use cases to provide context to clause 5.2. • Annex C contains examples of translating data into SAREF-compliant data to provide context to clause 6.1. • Annex D contains examples of testing SAREF data to provide context to clause 6.2. • Annex E provides a short summary of SAREF ontology development methodology with figures and different phases. • Annex F provides a mechanism for the User of the present document (who is expected to be an entity involved in the development and manufacturing of IoT smart applications and products) to give information about the implementation of the provisions within the present document. • Annex G provides an example of how to enhance the SAREF core with its extensions to give context to clause 7.

Keel: en
Alusdokumendid: Draft ETSI EN 303 760 V1.1.0

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 60794-1-107:2024

Optical fibre cables - Part 1-107: Generic specification - Basic optical cable test procedures - Mechanical test methods - Torsion, Method E7

This part of IEC 60794 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. The document defines test procedures used in establishing uniform requirements for torsion performance. Throughout this document, the wording "optical cable" also includes optical fibre units, microduct fibre units, etc. See IEC 60794-1-2 for a reference guide to test methods of all types and for general requirements and definitions.

Keel: en
Alusdokumendid: 86A/2464/CDV; prEN IEC 60794-1-107:2024

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 60794-1-218:2024

Optical fibre cables - Part 1-218: Generic specification - Basic optical cable test procedures - Environmental test methods - Mid-span temperature cycling test for exposed optical units, method f18

This part of IEC 60794 defines test procedures to be used in establishing uniform requirements for the environmental performance of • optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and • cables having a combination of both optical fibres and electrical conductors. Throughout this document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc. This document defines a test standard to determine the ability of optical units from a cable exposed in a mid-span entry (expressed) and stored in a pedestal, closure or similar to withstand the effects of temperature cycling by observing changes in attenuation. The optical units can also include loose tubes, tight buffer tubes, and ribbons. See IEC 60794-1-2 for a reference guide to test methods of all types and for general requirements and definitions.

Keel: en
Alusdokumendid: prEN IEC 60794-1-218:2023; 86A/2465/CDV

Arvamusküsitluse lõppkuupäev: 30.07.2024

prEN IEC 61753-086-02:2024

Fibre optic interconnecting devices and passive components - Performance standard - Part 086-02: Non-connectorized single-mode bidirectional 1490 / 1550 nm downstream 1310 nm upstream WWDM devices for category c - Indoor controlled environment

This part of IEC 61753 contains the minimum initial performance, test and measurement requirements and severities which a fibre optic pigtailed 1 490 / 1 550 nm downstream and 1 310 nm upstream wide wavelength division multiplexing (WWDM) passive optical network (PON) device must satisfy in order to be categorized as meeting the requirements of category C (Indoor controlled environment), as defined in Annex A of IEC 61753-1: 2018. WWDM is defined in IEC 62074-1. Annex B give general information for these PON WWDM devices.

Keel: en
Alusdokumendid: 86B/4918/CDV; prEN IEC 61753-086-02:2024
Asendab dokumenti: EVS-EN 61753-086-2:2009

Arvamusküsitluse lõppkuupäev: 29.08.2024

35 INFOTEHNOLOOGIA

prEN 16157-1

Intelligent transport systems — DATEX II data exchange specifications for traffic management and information — Part 1: Context and framework

This document specifies and defines components required to support the exchange and shared use of data and information in the field of traffic and travel. The components include the framework and context for the modelling approach, data content, data structure and relationships. This document is applicable to: • Traffic and travel information which is of relevance to road networks (non-urban and urban), • Public transport information that is of direct relevance to the use of a road network (e.g. road link via train or ferry service). • Traffic and travel information in the case of Cooperative intelligent transport systems (C-ITS). This document establishes specifications for data content to be exchanged between any two instances of the following actors: • Traffic Information Centres (TICs), • Traffic Control Centres (TCCs), • Service Providers (SPs), Use of this document may be applicable for use by other actors. This part of EN 16157 specifies the DATEX II framework of all parts of this European Standard, the context of use and the modelling approach taken and used throughout these European Standards. This approach is described using formal methods and provides the mandatory reference framework for all other parts

Keel: en
Alusdokumendid: prEN 16157-1
Asendab dokumenti: EVS-EN 16157-1:2018

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 19109

Geographic information - General feature model and rules for application schema (ISO/DIS 19109:2024)

ISO 19109:2015 defines rules for creating and documenting application schemas, including principles for the definition of features. The scope of this International Standard includes the following: - conceptual modelling of features and their properties from a universe of discourse; - definition of application schemas; - use of the conceptual schema language for application schemas; - transition from the concepts in the conceptual model to the data types in the application schema; - integration of standardized schemas from other ISO geographic information standards with the application schema. The following are outside the scope: - choice of one particular conceptual schema language for application schemas; - definition of any particular application schema; - representation of feature types and their properties in a feature catalogue; - representation of metadata; - rules for mapping one application schema to another; - implementation of the application schema in a computer environment; - computer system and application software design; - programming.

Keel: en
Alusdokumendid: ISO/DIS 19109; prEN ISO 19109
Asendab dokumenti: EVS-EN ISO 19109:2015

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 19152-5

Geographic information - Land Administration Domain Model (LADM) - Part 5: Spatial plan information (ISO/DIS 19152-5:2024)

ISO 19152 provides the concepts and detailed structure for standardization in the land administration domain. In order to achieve public policy objectives, some regulations use geographical spaces for mandating or enabling particular behaviours or outcomes. This part of ISO 19152 defines a general schema for spatial plan information in the context of the land administration. This standard proposes integrating the Rights, Restrictions, and Responsibilities (RRRs) information from the spatial plan information, as an additional package, into the ISO 19152:2012 – Geographic Information – Land Administration Domain Model (LADM) standard. It provides the general reference model, as an extension of core LADM (ISO 19152-1:202X and 19152-2:202X), for all objects of spatial planning those covering land/water and below/on/above surfaces. This standard supports 4D (3D + time) representation of the spatial plans including marine spatial plans. Spatial plan information plays an essential role in land management. The integration of physical and sectoral planning at the local level usually produces some degree of permissions, authorizations, restrictions, responsibilities, obligations, and sanctions. However, it is typical in many countries to establish land administration and the spatial plan processes through different regulations, authorities, and processes. Integrating spatial plans into a package in the LADM is essential to ensure that stakeholders have the complete picture of RRRs of land or space.

Keel: en
Alusdokumendid: ISO/DIS 19152-5; prEN ISO 19152-5
Asendab dokumenti: EVS-EN ISO 19152:2012

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 23387

Building information modelling (BIM) - Data templates for objects used in the life cycle of assets (ISO/DIS 23387:2024)

This document sets out the principles and structure for data templates for construction objects. It is developed to support digital processes using machine-readable formats using a standard data structure to exchange information about any type of construction object, e.g. product, system, assembly, space, building etc., used in the inception, brief, design, production, operation and demolition of facilities. This document provides the specification of a taxonomy model that defines concepts from ISO 12006-3:2007, i.e. objects, collections and relationships between them, to support the information need for the specific purpose of the data template. This document provides an EXPRESS specification with extensions of the EXPRESS-G notation and specification from ISO 12006-3:2007. These extensions have been provided to support market needs developed since the publication of ISO 12006-3 in 2007. This document provides the rules for linking between data templates and IFC classes within a data dictionary based on ISO 12006-3:2007. This document provides the rules for linking between data templates and classification systems within a data dictionary based on ISO 12006-3:2007. The target audience of this document is software developers and not construction industry domain experts appointed to create data templates based on sources describing information needs. It is not in the scope of this document to provide the content of any data templates. The data structure provided is intended to be used for developing specific data templates based on standards developed in ISO/IEC, CEN/CENELEC, national standardization organizations, or other sources describing information needs.

Keel: en
Alusdokumendid: ISO/DIS 23387; prEN ISO 23387
Asendab dokumenti: EVS-EN ISO 23387:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

45 RAUDTEETEHNIKA

prEN 16186-7

Railway applications - Driver's cab - Part 7: Design of displays for tram vehicles

This document is applicable to vehicles operating on tram networks. This document specifies all necessary design rules and associated assessment criteria as well as guidance concerning the design of information and the corresponding user interfaces of driver’s cabs of tram vehicles. It considers the tasks the driver has to carry out and human factors. This document specifies how information is arranged and displayed. All assessments based on the normative requirements of this document are applicable mainly to: - symbols provided by Annex A; - arrangement of screen areas conform with Figure 1 (generic organization of information); - colours, fonts; - audible information. This document is applicable to the following aspects: - legibility and intelligibility of displayed information: general rules concerning the layout of information on the displays, including character size and spacing; - definition of harmonized colours, symbols, etc.; - definition of harmonized principles for the command interface (by physical or touchscreen buttons): size, symbols, reaction time, way to give feedback to the driver, etc.; - general arrangements (dialogue structures, sequences, layout philosophy, colour philosophy), symbols, audible information, data entry arrangements. NOTE If this document deals with how information can be given for operation and in degraded situations, it does not define operating rules and degraded situations. This document does not request any safety requirement related with displayed information. This document specifies minimum requirements and does not prevent more complex solutions. Requirements describing the functions using the display are out of scope of this document.

Keel: en
Alusdokumendid: prEN 16186-7

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 16922

Railway applications - Ground based services - Vehicle waste water discharge equipment

This European Standard specifies the interface requirements for controlled emission toilet equipment on railway vehicles and the infrastructure, including catering area sink waste retention tanks. Vehicle and infrastructure specific requirements are also given. The European Standard includes fixed and portable infrastructure equipment used to empty retention tanks, but excludes equipment fitted to railway vehicles where no fixed connections are used between vehicle and infrastructure.

Keel: en
Alusdokumendid: prEN 16922
Asendab dokumenti: EVS-EN 16922:2017+A1:2019

Arvamusküsitluse lõppkuupäev: 29.08.2024

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 3049

Aerospace series - O-rings, in fluorocarbon rubber (FKM), low compression set - Hardness 80 IRHD

This document specifies the characteristics of O-rings in fluorocarbon rubber (FKM), low compression set, hardness 80 IRHD, for aerospace applications. They are intended to be used in air, mineral / synthetic oil and fuel systems. Operating conditions - Temperature: a) Continuous operation: −20 °C to +225 °C; b) Static applications minimum temperature of use: −50 °C. Limitation: not to be used with phosphoric ester type hydraulic fluids (permanent or temporary immersion).

Keel: en
Alusdokumendid: prEN 3049
Asendab dokumenti: EVS-EN 3049:2000

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3050

Aerospace series - O-rings, in fluorocarbon rubber (FKM), low compression set - Technical specification

This document specifies the characteristics, qualification and acceptance requirements for O-rings in low compression set fluorocarbon rubber (FKM) to EN 2798.

Keel: en
Alusdokumendid: prEN 3050
Asendab dokumenti: EVS-EN 3050:2000

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3078

Aerospace series - P, Q and saddle clamps with rubber cushion - Technical Specification

This document specifies the required characteristics, inspection test methods, quality assurance and delivery conditions, for P, Q and saddle clamps with rubber cushion, used for aerospace applications.

Keel: en
Alusdokumendid: prEN 3078

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3160

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Bars - a or D ≤ 200 mm - Rm ≥ 1 310 MPa

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Solution treated and precipitation treated Bars a or D ≤ 200 mm Rm ≥ 1 310 MPa for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3160
Asendab dokumenti: EVS-EN 3160:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3161

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Bars - a or D ≤ 200 mm - Rm ≥ 930 MPa

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Solution treated and precipitation treated Bars a or D ≤ 200 mm Rm ≥ 930 MPa for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3161
Asendab dokumenti: EVS-EN 3161:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3162

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Sheets and strips - a ≤ 6 mm - Rm ≥ 930 MPa

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Solution treated and precipitation treated Sheets and strips a ≤ 6 mm Rm ≥ 930 MPa for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3162
Asendab dokumenti: EVS-EN 3162:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3163

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Softened - Forging stock - a or D ≤ 300 mm

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Softened Forging stock a or D ≤ 300 mm for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3163
Asendab dokumenti: EVS-EN 3163:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3475-408

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 408: Fire resistance

This document specifies a method of testing the fire resistance of "fire-proof" electrical cables.

Keel: en
Alusdokumendid: prEN 3475-408
Asendab dokumenti: EVS-EN 3475-408:2005

Arvamusküsitluse lõppkuupäev: 30.07.2024

prEN 3527

Aerospace series - Steel 33CrMoV12 (1.8522) - Air melted - Softened - Forging stock - a or D ≤ 300 mm

This document specifies the requirements relating to: Steel 33CrMoV12 (1.8522) Air melted Softened Forging stock a or D ≤ 300 mm for aerospace applications. NOTE ASD-STAN designation: FE-PL1504. Material number: 1.8522.

Keel: en
Alusdokumendid: prEN 3527
Asendab dokumenti: EVS-EN 3527:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3531

Aerospace series - Steel X2NiCoMo18 8 5 (1.6359) - Vacuum induction melted and vacuum arc remelted - Solution treated and precipitation treated - Sheets and strips - a ≤ 6 mm - 1 750 MPa ≤ Rm ≤ 2 000 MPa

This document specifies the requirements relating to: Steel X2NiCoMo18-8-5 (1.6359) Vacuum induction melted and vacuum arc remelted Solution treated and precipitation treated Sheets and strips a ≤ 6 mm 1 750 MPa ≤ Rm ≤ 2 000 MPa for aerospace applications. NOTE ASD-STAN designation: FE-PM2701 Material number: 1.6359

Keel: en
Alusdokumendid: prEN 3531
Asendab dokumenti: EVS-EN 3531:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3532

Aerospace series - Steel X2NiCoMo18-8-5 (1.6359) - Vacuum induction melted and vacuum arc remelted - Solution treated and precipitation treated - Plates - 6 mm < a ≤ 40 mm - 1 750 MPa ≤ Rm ≤ 2 000 MPa

This document specifies the requirements relating to: Steel X2NiCoMo18-8-5 (1.6359) Vacuum induction melted and vacuum arc remelted Solution treated and precipitation treated Plates 6 mm < a ≤ 40 mm 1 750 MPa ≤ Rm ≤ 2 000 MPa for aerospace applications. NOTE ASD-STAN designation: FE-PM2701 Material number: 1.6359

Keel: en
Alusdokumendid: prEN 3532
Asendab dokumenti: EVS-EN 3532:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3638

Aerospace series - Heat resisting alloy X6NiCrTiMoV26-15 (1.4980) - Consumable electrode remelted - Solution treated and precipitation treated - Sheets, strips and plates - 0,5 mm ≤ a ≤ 10 mm

This document specifies the requirements relating to: Heat-resisting alloy X6NiCrTiMoV26-15 (1.4980) Consumable electrode remelted Solution treated and precipitation treated Sheets, strips and plates 0,5 ≤ a ≤ 10 mm for aerospace applications. W.nr: 1.4980. ASD-STAN designation: FE-PA2601.

Keel: en
Alusdokumendid: prEN 3638
Asendab dokumenti: EVS-EN 3638:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3677

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Forgings - a or D ≤ 200 mm - Rm ≥ 1 310 MPa

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Solution treated and precipitation treated Forgings a or D ≤ 200 mm Rm ≥ 1 310 MPa for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3677
Asendab dokumenti: EVS-EN 3677:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 3678

Aerospace series - Steel X5CrNiCu17-4 (1.4542) - Air melted - Solution treated and precipitation treated - Forgings - a or D ≤ 200 mm - Rm ≥ 930 MPa

This document specifies the requirements relating to: Steel X5CrNiCu17-4 (1.4542) Air melted Solution treated and precipitation treated Forgings a or D ≤ 200 mm Rm ≥ 930 MPa for aerospace applications. W.nr: 1.4542.

Keel: en
Alusdokumendid: prEN 3678
Asendab dokumenti: EVS-EN 3678:2007

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 6046

Aerospace series - Bearing, spherical, plain, in corrosion resisting steel - Narrow series - Dimensions and loads - Inch series

This document specifies the characteristics of inch based spherical plain bearing, metal to metal, in corrosion resisting steel, narrow series. They are intended for use in fixed or moving parts of the aircraft structure and their control mechanisms. They are used in the temperature range as determined by the grease capability as below: - code A: greased as per MIL-PRF-23827 Type I, operating temperature range −73 °C to 121 °C; - code B: greased as per MIL-PRF-81322, operating temperature range −54 °C to 177 °C. The range of application for bearings lubricated with grease per code A is limited to 121 °C. In both cases the spherical surface of the outer or inner ring are provided with a dry-film lubricant as per MIL-PRF-46010 or equivalent (anti-seizing protection). The slide hole treatment either at the outer ring or inner ring.

Keel: en
Alusdokumendid: prEN 6046
Asendab dokumenti: EVS-EN 6046:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN ISO 6590-1

Packaging - Terminology - Part 1: Paper sacks (ISO/DIS 6590-1:2024)

This part of ISO 6590 defines terms commonly used in paper sack manufacture. It refers to single- and multi-ply sacks made from paper; it does not refer to bags for the retail trade. It specifies types of sacks, constructional details, materials and describes parts of a sack. It delivers alphabetical indices in three languages.

Keel: en
Alusdokumendid: ISO/DIS 6590-1; prEN ISO 6590-1
Asendab dokumenti: EVS-EN 26590-1:2003

Arvamusküsitluse lõppkuupäev: 29.08.2024

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 7979
Leather - Tests for colour fastness - Colour fastness to hydroalcoholic mixtures (ISO/DIS 7979:2024)

This document specifies methods for determining the fastness of the surface of leather to hydroalcoholic mixtures.

Keel: en
Alusdokumendid: ISO/DIS 7979; prEN ISO 7979

Arvamusküsitluse lõppkuupäev: 29.08.2024

71 KEEMILINE TEHNOLOOGIA

prEN 16663
Durability of wood and wood-based products - Determination of emissions from preservative treated wood to the environment - Wooden commodities exposed in Use Class 3 (Not covered, not in contact with the ground) - Semi-field method

This document specifies a method for determining the leaching of active ingredients or other compounds from preservative treated wood by a semi-field method for Use Class 3 (outdoor above ground). The preservative treated wood can be tested with or without subsequently surface coating or other water-repellent treatment. The method is applicable to the testing of commercial or experimental preservatives or paint systems applied to timber by methods appropriate to commercial practice.

Keel: en
Alusdokumendid: prEN 16663
Asendab dokumenti: CEN/TS 16663:2016

Arvamusküsitluse lõppkuupäev: 29.08.2024

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 15491
Ethanol as a blending component for petrol - Determination of total acidity - Colour indicator titration method

This document specifies a method for determining the total acidity, calculated as acetic acid, of ethanol to be used in petrol blends. It is applicable to ethanol having total acid contents of between 0,003 % (m/m) and 0,015 % (m/m). NOTE For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent the mass fraction and the volume fraction, respectively. WARNING - Use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to take appropriate measures to ensure the safety and health of personnel prior to the application of the document, and to fulfil statutory and regulatory restrictions for this purpose.

Keel: en
Alusdokumendid: prEN 15491
Asendab dokumenti: EVS-EN 15491:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 590
Automotive fuels - Diesel - Requirements and test methods

This document specifies requirements and test methods for marketed and delivered automotive diesel fuel. It is applicable to automotive diesel fuel for use in diesel engine vehicles designed to run on automotive diesel fuel containing up to 7,0 %(V/V) Fatty Acid Methyl Ester (FAME). NOTE For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

Keel: en
Alusdokumendid: prEN 590
Asendab dokumenti: EVS-EN 590:2022
Asendab dokumenti: EVS-EN 590:2022/NA:2022

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 16486-4
Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 4: Valves (ISO/DIS 16486-4:2024)

This document specifies the characteristics of valves made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels. It is applicable to isolating unidirectional and bi-directional valves with spigot ends or electrofusion sockets intended to be fused with PA-U pipes or fittings conforming to ISO 16486-2 and ISO 16486-3 respectively. Valves made from material other than unplasticized polyamide designed for the supply of gaseous fuels conforming to the relevant standards are permitted to be used in PA-U piping systems according to the ISO 16486 series

provided they have relevant PA-U connections for butt fusion or electrofusion ends (see ISO 16486-3). The component, i.e. the complete valve, is required to fulfil the requirements of this document. This document also specifies the test parameters for the test methods it describes. In conjunction with ISO 16486-1, ISO 16486-2, ISO 16486-3 and ISO 16486-5, this document is applicable to PA-U valves and their joints and to joints with components of PA-U and other materials intended to be used under the following conditions: a) a maximum operating pressure (MOP) of up to and including 18 bar[1], or limited to 16 bar under regional CEN requirements, at a reference temperature of 20 °C for design purposes; NOTE 1 For the purpose of this document and the references to ISO 8233, MOP is considered to be nominal pressure. b) an operating temperature of −20 °C to 40 °C; NOTE 2 For operating temperatures between 20 °C and 40 °C, derating coefficients are specified in ISO 16486-5. This document covers valves for pipes with a nominal outside diameter, dn, ≤ 400 mm. [1] 1 bar = 0,1 MPa = 105 Pa; 1 MPa = 1 N/mm².

Keel: en
Alusdokumendid: ISO/DIS 16486-4; prEN ISO 16486-4
Asendab dokumenti: EVS-EN ISO 16486-4:2022

Arvamusküsitluse lõppkuupäev: 29.08.2024

77 METALLURGIA

prEN ISO 683-7

Heat-treatable steels, alloy steels and free-cutting steels - Part 7: Bright products of non-alloy and alloy steels (ISO 683-7:2023)

This document specifies the technical delivery requirements for bright steel products in the drawn, peeled/turned or additional ground condition and they are intended for mechanical purposes, for example for machine parts.

Keel: en
Alusdokumendid: ISO 683-7:2023; prEN ISO 683-7
Asendab dokumenti: EVS-EN 10277:2018

Arvamusküsitluse lõppkuupäev: 29.08.2024

83 KUMMI- JA PLASTITÖÖSTUS

prEN 13245-1

Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 1: Designation of PVC-U profiles

This document establishes a system of designation for profiles made of unplasticized poly (vinyl chloride) (PVC-U) intended to be used for building applications. This part is applicable to light coloured and coloured PVC-U profiles, obtained by a mono-extrusion or a co-extrusion process, with or without surface finishing (e.g. laminated foil, paint, printing process). It specifies test methods and test parameters. This method of designation is intended to be used in product specification when the application is specified. Profiles for the management of electrical power cables, communication cables and power track systems used for the distribution of electrical power, profiles for windows or doors and profiles for guttering are not covered by this document . NOTE It is intended to use this method for the designation of PVC-U profiles for information related to technical literature of the manufacturer, not for the marking of the products.

Keel: en
Alusdokumendid: prEN 13245-1
Asendab dokumenti: EVS-EN 13245-1:2010

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 13245-3

Plastics - Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications - Part 3: Designation of PVC-UE profiles

This document establishes a system of designation for profiles made of cellular unplasticized poly(vinyl chloride) (PVC-UE) intended to be used for building applications. This part is applicable to light coloured and coloured mono-extruded PVC-UE profiles, co-extruded profiles consisting of a core made of PVC-UE and a skin layer of non-cellular unplasticized poly(vinyl chloride) (PVC-U), and PVC-UE profiles with laminated foil or paint. It specifies test methods and test parameters. This method of designation is intended to be used in product specification when the application is specified. Profiles for the management of electrical power cables, communication cables and power track systems used for the distribution of electrical power, profiles for windows or doors and profiles for guttering are not covered by this document . NOTE It is intended to use this method for the designation of PVC-UE profiles for information related to technical literature of the manufacturer, not for the marking of the products.

Keel: en
Alusdokumendid: prEN 13245-3
Asendab dokumenti: EVS-EN 13245-3:2010

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 10350-1

Plastics - Acquisition and presentation of comparable single-point data - Part 1: Moulding materials (ISO/DIS 10350-1:2024)

The ISO 10350 series identifies specific test procedures for the acquisition and presentation of comparable data for certain basic properties of plastics. In general, each property is specified by a single experimental value, although in certain cases properties are represented by two values obtained under different test conditions. The properties included are those presented conventionally in manufacturers' data sheets. ISO 10350-1 applies predominantly to unreinforced and reinforced thermoplastic and thermosetting materials that may be injection- or compression-moulded or prepared as sheets of specified thickness. For the purposes of ISO 10350-1, long-fibre-reinforced plastics are considered to have fibre lengths greater than 7,5 mm prior to moulding. NOTE ISO 10350-2 deals specifically with long- or continuous-fibre-reinforced plastics.

Keel: en
Alusdokumendid: ISO/DIS 10350-1; prEN ISO 10350-1
Asendab dokumenti: EVS-EN ISO 10350-1:2017

Arvamusküsitluse lõppkuupäev: 29.08.2024

91 EHITUSMATERJALID JA EHITUS

prEN IEC 60335-2-21:2024

Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

IEC 60335-2-21:2022 deals with the safety of electric storage water heaters for household and similar purposes and intended for heating water below boiling temperature, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances including direct current (DC) supplied appliances and battery-operated appliances. This standard also deals with: – appliances not intended for normal household use, but which nevertheless possibly pose a source of danger to the public, such as appliances intended to be used by laymen in shops and on farms; – immersion heater units intended to be retrofitted in a heat exchange closed water heater having provision for retrofitting. Additional requirements are given in Annex AA. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account – persons (including children) whose physical, sensory or mental capabilities, or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; – children playing with the appliance. Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities; – in many countries regulations exist for the installation of equipment connected to the water mains. This standard does not apply to – appliances for boiling water (IEC 60335-2-15); – instantaneous water heaters (IEC 60335-2-35); – commercial dispensing appliances and vending machines (IEC 60335-2-75); – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This seventh edition cancels and replaces the sixth edition published in 2012 and Amendment 1:2018. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) the text has been aligned with IEC 60335-1:2020; b) some notes have been converted to normative text (Clause 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47, 22.104, 22.110, Annex AA introduction); c) updated requirement restricting use of appliance inlets (25.1). This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments unless that edition precludes it; in that case, the latest edition that does not preclude it is used. It was established on the basis of the sixth edition (2020) of that standard.

Keel: en
Alusdokumendid: prEN IEC 60335-2-21:2024; IEC 60335-2-21:2022
Asendab dokumenti: EVS-EN 60335-2-21:2021
Asendab dokumenti: EVS-EN 60335-2-21:2021/A1:2021
Asendab dokumenti: EVS-EN 60335-2-21:2021+A1:2021

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN IEC 60335-2-21:2024/prAA:2024

Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

Amendment to prEN IEC 60335-2-21:2024

Keel: en
Alusdokumendid: prEN IEC 60335-2-21:2024/prAA:2024
Muudab dokumenti: prEN IEC 60335-2-21:2024

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 23387

Building information modelling (BIM) - Data templates for objects used in the life cycle of assets (ISO/DIS 23387:2024)

This document sets out the principles and structure for data templates for construction objects. It is developed to support digital processes using machine-readable formats using a standard data structure to exchange information about any type of construction object, e.g. product, system, assembly, space, building etc., used in the inception, brief, design, production, operation and demolition of facilities. This document provides the specification of a taxonomy model that defines concepts from ISO 12006-3:2007, i.e. objects, collections and relationships between them, to support the information need for the specific purpose of the

data template. This document provides an EXPRESS specification with extensions of the EXPRESS-G notation and specification from ISO 12006-3:2007. These extensions have been provided to support market needs developed since the publication of ISO 12006-3 in 2007. This document provides the rules for linking between data templates and IFC classes within a data dictionary based on ISO 12006-3:2007. This document provides the rules for linking between data templates and classification systems within a data dictionary based on ISO 12006-3:2007. The target audience of this document is software developers and not construction industry domain experts appointed to create data templates based on sources describing information needs. It is not in the scope of this document to provide the content of any data templates. The data structure provided is intended to be used for developing specific data templates based on standards developed in ISO/IEC, CEN/CENELEC, national standardization organizations, or other sources describing information needs.

Keel: en
Alusdokumendid: ISO/DIS 23387; prEN ISO 23387
Asendab dokumenti: EVS-EN ISO 23387:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

95 SÕJANDUS. SÕJALISED EHITISED (SÕJATEHNIKA). RELVAD

prEN ISO 17201-2

Acoustics - Noise from shooting ranges - Part 2: Calculation of muzzle blast (ISO/DIS 17201-2:2024)

This document specifies a computational method (in line with ISO 17201-4) for estimating the acoustic source data of muzzle blast and explosions on the basis of non-acoustic data for firearms with calibres less than 20 mm and explosions less than 50 g TNT equivalent. This document addresses those cases where no source measurements exist. This document can also be used as an interpolation method between measurements of muzzle blast. Source data are given in terms of spectral angular source energy covering the frequency range from 12,5 Hz to 10 kHz and can be used as data input for sound propagation calculation. This document is not applicable to the prediction of sound levels for the assessment of hearing damage; neither can it be used to predict sound pressure levels nor sound exposure levels at distances where linear acoustics do not apply.

Keel: en
Alusdokumendid: ISO/DIS 17201-2; prEN ISO 17201-2
Asendab dokumenti: EVS-EN ISO 17201-2:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 17201-4

Acoustics - Noise from shooting ranges - Part 4: Calculation of projectile sound (ISO/DIS 17201-4:2024)

ISO 17201-4:2006 provides a computational model for determining the acoustical source level of projectile sound and its one-third-octave-band spectrum, expressed as the sound exposure level for nominal mid-band frequencies from 12,5 Hz to 10 kHz. It also gives guidance on how to use this source level to calculate the sound exposure level at a receiver position. ISO 17201-4:2006 is intended for calibres of less than 20 mm, but can also be applied for large calibres. Additionally, the data can be used to compare sound emission from different types of ammunition used with the same weapon. This part of ISO 17201 is meant for weapons used in civil shooting ranges, but is also applicable to military weapons.

Keel: en
Alusdokumendid: ISO/DIS 17201-4; prEN ISO 17201-4
Asendab dokumenti: EVS-EN ISO 17201-4:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

97 OLME. MEELELAHUTUS. SPORT

EN IEC 62115:2020/prA1:2024

Amendment 1 - Electric toys - Safety

Amendment to EN IEC 62115:2020

Keel: en
Alusdokumendid: 61/7248/CDV; EN IEC 62115:2020/prA1:2024
Muudab dokumenti: EVS-EN IEC 62115:2020
Muudab dokumenti: EVS-EN IEC 62115:2020+A11:2020

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 18100

Mountaineering equipment - Helmets for ski mountaineers - Safety requirements and test methods

This document specifies requirements and test methods for protective helmets for use in ski mountaineering. This document is also applicable to protective helmets used in activities with similar hazards, but does not apply to protective helmets used specifically by alpine skiers and snowboarders.

Keel: en
Alusdokumendid: prEN 18100

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN 18102

Child care articles - Children’s bedguards for domestic use - Safety requirements and test methods

This document specifies safety requirements and test methods for children’s bedguards for domestic use intended for use with junior or adult beds. These bedguards, when used in conjunction with a bed/mattress combination, are intended to prevent children aged between 18 months and 4 years from falling out of bed. This document is not applicable to bedguards designed for adult use, or to bedguards which are an integral part of a bed, i.e. a permanent fixture not intended to be detached. If the bedguard has several functions or can be converted into another function, the relevant European standard/s apply to it.

Keel: en
Alusdokumendid: prEN 18102

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 17201-2

Acoustics - Noise from shooting ranges - Part 2: Calculation of muzzle blast (ISO/DIS 17201-2:2024)

This document specifies a computational method (in line with ISO 17201-4) for estimating the acoustic source data of muzzle blast and explosions on the basis of non-acoustic data for firearms with calibres less than 20 mm and explosions less than 50 g TNT equivalent. This document addresses those cases where no source measurements exist. This document can also be used as an interpolation method between measurements of muzzle blast. Source data are given in terms of spectral angular source energy covering the frequency range from 12,5 Hz to 10 kHz and can be used as data input for sound propagation calculation. This document is not applicable to the prediction of sound levels for the assessment of hearing damage; neither can it be used to predict sound pressure levels nor sound exposure levels at distances where linear acoustics do not apply.

Keel: en
Alusdokumendid: ISO/DIS 17201-2; prEN ISO 17201-2
Asendab dokumenti: EVS-EN ISO 17201-2:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

prEN ISO 17201-4

Acoustics - Noise from shooting ranges - Part 4: Calculation of projectile sound (ISO/DIS 17201-4:2024)

ISO 17201-4:2006 provides a computational model for determining the acoustical source level of projectile sound and its one-third-octave-band spectrum, expressed as the sound exposure level for nominal mid-band frequencies from 12,5 Hz to 10 kHz. It also gives guidance on how to use this source level to calculate the sound exposure level at a receiver position. ISO 17201-4:2006 is intended for calibres of less than 20 mm, but can also be applied for large calibres. Additionally, the data can be used to compare sound emission from different types of ammunition used with the same weapon. This part of ISO 17201 is meant for weapons used in civil shooting ranges, but is also applicable to military weapons.

Keel: en
Alusdokumendid: ISO/DIS 17201-4; prEN ISO 17201-4
Asendab dokumenti: EVS-EN ISO 17201-4:2006

Arvamusküsitluse lõppkuupäev: 29.08.2024

TÕLKED KOMMENTEERIMISEL

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

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

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

EVS-EN 12255-12:2024

Reoveepuhastid. Osa 12: Juhtimis- ja automaatikaseadmed

See dokument määratleb üldnõuded mõõteseadmetele ja erinõuded protsessijuhtimis- ja automaatikasüsteemidele reoveepuhastites, mille rajamisel on silmas peetud elanike ja inimekvivalentide koguarvu, mis on suurem kui 50. MÄRKUS 1 Arvestades andurite ja juhtimisseadmete kiiret arengut, on dokument mõeldud ülevaatena ning selles kasutatakse näiteid ja üldisi nõudeid, mitte üksikasjalikke seadmete spetsifikatsioone. Üksikasjalikku teavet lisaks standardis sisalduvale leiab kirjanduse loetelus viidatud allikatest. MÄRKUS 2 Kuigi EÜ direktiivid muutuvad EL-i liikmesriikides ja mõnes muus olukorras seaduseks, on see standard mõeldud laiemaks kasutamiseks, mistõttu on tekstis viidatud ja kirjanduse loetelus ära toodud need direktiivid, mis sisaldavad sellist tüüpi selgeid tehnilisi juhiseid, mis on üldiselt asjakohased ühes standardis. Nõuete loetelu kopeerimine direktiividest võiks direktiivide muutmisel tekitada lubamatu konflikti.

Keel: et
Alusdokumendid: EN 12255-12:2024

Kommenteerimise lõppkuupäev: 30.07.2024

EVS-EN ISO 18134-2:2024

Tahked biokütused - Niiskusesisalduse määramine. Osa 2: Lihtsustatud meetod

See dokument määratleb meetodi tahkete biokütuste proovi niiskusesisalduse määramiseks ahjus kuivatamise teel ja seda kasutatakse juhul, kui pole vaja suurimat täpsust, nt. rutiinseks tootmiskontrolliks kohapeal. Selles dokumendis kirjeldatud meetod on rakendatav kõikide tahkete biokütuste puhul. Tahkete biokütuste niiskusesisaldus (saadud kujul) esitatakse alati uuritava proovi kogumassi alusel (märg). MÄRKUS Biomassi materjalid võivad sisaldada väikeses koguses lenduvaid orgaanilisi ühendeid (LOÜ), mis võivad niiskusesisalduse määramisel ahjus kuivatamisel aurustuda (vt viiteid [1] ja [2]). Selliste ühendite eraldumine on selle meetodiga määratud üldise niiskusesisaldusega võrreldes üsna väike ja seda selles dokumendis ei arvestata.

Keel: et
Alusdokumendid: ISO 18134-2:2024; EN ISO 18134-2:2024

Kommenteerimise lõppkuupäev: 30.07.2024

prEVS-EN ISO 17827-1

Tahked biokütused - Kokkusurumata kütuste osakeste suurusjaotuse määramine. Osa 1: Ostsilleeriva sõela meetod, kasutades 3,15 mm ja suuremate avadega sõelu

See dokument määratleb meetodi tahkete osakeste biokütuste suurusjaotuse määramiseks horisontaalselt ostsilleeriva sõela meetodil. See kehtib tahkete osakeste kokkusurumata kütuste kohta, mille nimisuurus on 3,15 mm ja rohkem, nt. puiduhake, purustatud puitkütus, oliivikivid. Meetod on ette nähtud materjali iseloomustamiseks kuni osakeste suurusklassini (P) P63. Suuremate P-klasside ja PL-klasside puhul toimub iseloomustamine peamiselt käsitsi sorteerimise teel. MÄRKUS P- ja PL-klasside määratlused ja spetsifikatsioonid on toodud standardites ISO 17225-1, 17225-4 ja ISO 17225-9.

Keel: et
Alusdokumendid: ISO 17827-1:2024; EN ISO 17827-1:2024

Kommenteerimise lõppkuupäev: 30.07.2024

prEVS-EN ISO 17827-2

Tahked biokütused - Kokkusurumata kütuste osakeste suurusjaotuse määramine. Osa 2: Vibreeriva sõela meetod, kasutades 3,15 mm ja alla selle avadega sõelu

See dokument määratleb meetodi tahkete osakeste biokütuste suurusjaotuse määramiseks vibreeriva sõela meetodil. Kirjeldatud meetod on mõeldud ainult tahkete osakeste biokütustele, nimelt materjalidele, mis on kas vähendatud mõõtmetega, nagu enamik puitkütuseid, või on füüsiliselt tahkete osakeste kujul. See dokument kehtib tahkete osakeste kokkusurumata kütuste kohta, mille nimisuurus on 3,15 mm ja alla selle (nt saepuru).

Keel: et
Alusdokumendid: ISO 17827-2:2024; EN ISO 17827-2:2024

Kommenteerimise lõppkuupäev: 30.07.2024

prEVS-EN ISO 17830

Tahked biokütused. Lagunenud graanulite osakeste suuruse jaotus.

See dokument määratleb nõuded ja meetodi, mida kasutatakse lagunenud graanulite osakeste suuruse jaotuse määramiseks. Seda kasutatakse kuumas vees täielikult lagunevate pelletite puhul.

Keel: et
Alusdokumendid: ISO 17830:2024; EN ISO 17830:2024

Kommenteerimise lõppkuupäev: 30.07.2024

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

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

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

PIKENDAMISKÜSITLUS

EVS 885:2005

Ehituskulude liigitamine

Classification of construction costs

Standardis leiavad käsitlemist: • ehituskulude liigitus; • töömahtude mõõtmise ja tööde arvestamise reeglid. Standardi alusel ehituskulude liigitamine ning töömahtude arvutamise reeglite kasutamine loob võimaluse kulusid ühtviisi nimetada, määratleda ja mõista nii omaniku, tellija, projekteerijate kui ehitajate (pea- ja alltöövõtjate) ning projektiga seotud konsultantide poolt. Iga organisatsiooni (tellija-organisatsioon; projektbüroo; ehitusettevõte) siseselt võib liigitis toodud määranguid täpsustada ja põhjendatult ümber kujundada. Samas ei tohi sellised ettevõttesisesed muudatused saada takistuseks andmete esitamisel avalikkusele ning teistele osapooltele siis, kui vajatakse kirjeldusi käesolevas standardis toodud liigiti nõudeid järgides, näiteks riigihangete pakkumisdokumentides. Käesoleva standardi ehituskulude liigiti on kasutatav hoonete, insenerehitiste ja rajatiste ehitamise ning rekonstrueerimise ehitusprojekt- ja hankedokumentide koostamisel ning projekti arengu järgnevatel etappidel.

Pikendamisküsitluse lõppkuupäev: 30.07.2024

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas allpool nimetatud standardite ja standardilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

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

EVS-EN 60794-1-21:2015

Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods

IEC 60794-1-21:2015(E) applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. The object of this standard is to define test procedures to be used in establishing uniform requirements for mechanical requirement performance. Throughout this standard the wording "optical cable" may also include optical fibre units, microduct fibre units, etc. General requirements and definitions are given in IEC 60794-1-20 and a complete reference guide to test method of all types in the IEC 60794-1-2. This first edition of IEC 60794-1-21 cancels and replaces the mechanical tests part of the second edition of IEC 60794-1-2, published in 2003. It constitutes a technical revision. Keywords: optical fibre cables for use with telecommunication equipment, test procedures

Keel: en
Alusdokumendid: IEC 60794-1-21:2015; EN 60794-1-21:2015
Tühistamisküsitluse lõppkuupäev: 30.07.2024

TEADE EUROOPA STANDARDI OLEMASOLUST

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

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

EN ISO/IEC 17043:2023/A11:2024

Vastavushindamine. Üldnõuded tasemekatsetuste korraldajatele
Conformity assessment - General requirements for the competence of proficiency testing providers

Eeldatav avaldamise aeg Eesti standardina 08.2024

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS 927:2018/A1:2024

Ehituslik põletatud põlevkivi. Spetsifikatsioon, toimivus ja vastavus
Burnt shale for building materials. Specification, performance and conformity

Standardi EVS 927:2018 muudatus.

EVS 927:2018+A1:2024

Ehituslik põletatud põlevkivi. Spetsifikatsioon, toimivus ja vastavus
Burnt shale for building materials. Specification, performance and conformity

See Eesti standard rakendub põletatud põlevkivile (PP-le), mis saadakse põlevkivi termilisel töötlemisel ja saadud peendispersse mineraalosa separeerimise teel. PP koosneb klinkermineraalidest, vabast lubjast, dehüdratiseerunud kaltsiumsulfaadist, klaasifaasist ja lahustumatust vabast jäägist. Selle standardi kohaselt eristatakse PP eriliike: - CEM BS; - CON BS; - AAC BS; - COM BS. Selles Eesti standardis määratakse kindlaks põletatud põlevkivi omadused, vajalikud katsemeetodid ja vastavushindamise kord.

EVS-EN 13645:2002

Veeldatud maagaasi paigaldised ja seadmed. Maismaal asuvate 5-tonnise kuni 200-tonnise mahutavusega paigaldiste projekteerimine
Installations and equipment for liquefied natural gas - Design of onshore installations with a storage capacity between 5 t and 200 t

See Euroopa standard määratleb nõuded maismaal asuvate statsionaarsete veeldatud maagaasi (LNG) paigaldiste projekteerimiseks ja ehitamiseks, mille kogumaht on vahemikus 5 t kuni 200 t. See standard ei kohaldu veeldamisprotsessi rajatistele, mis põhinevad süsivesinike külmutusagensidel. Suuremaid paigaldisi käsitletakse standardi EN 1473:1997 kohaselt. Kui rajatises on muid ohtlikke aineid, võib eespool nimetatud ladustamismahu künniseid vähendada. MÄRKUS Uute väärtuste määramiseks on oluline, et projekteerija viitaks kohalikele regulatsioonidele. Paigaldised, mille suhtes seda standardit kohaldatakse, hõlmavad järgmist: — LNG satelliitjaamad. LNG-d võib tarnida paakautode, praami- või raudteevagunitega. Pärast ladustamist aurustatakse LNG ja saadetakse tarbijatele; — LNG tanklad sõidukitele. Paigaldis on piiratud alates gaasi sisendist või LNG laadimisalast kuni gaasi väljundini või LNG mahalaadimisalani. Täitesüsteemid ei ole siin käsitletud. Peatüki 4 „Keskkonnamõju“ ja peatüki 5 „Ohutusplaan“ puhul kohaldatakse seda standardit, kui LNG ladustamisvõimsus ületab kohalikus regulatsioonis sätestatud piirmäära. Kui seda väärtust ei ole, on soovitatav piirmäär 50 t. Meeldetuletuseks, et igal juhul on ülimuslikud kohalikud regulatsioonid.

EVS-EN 17892:2024

Vee kvaliteet. Valitud per- ja polüfluoroalküülühendite määramine joogivees. Vedelikkromatograafia-tandem-massispektromeetria (LC-MS/MS) meetodil
Water quality - Determination of selected per- and polyfluoroalkyl substances in drinking water - Method using liquid chromatography/tandem-mass spectrometry (LC-MS/MS)

See dokument määrab kindlaks meetodi valitud per- ja polüfluoroalküülainete (PFAS) lahustunud fraktsiooni määramiseks filtreerimata joogivees, kasutades vedelikkromatograafia-tandem-massispektromeetriat (LC-MS/MS). Meetodi rakendatavust teist tüüpi vee puhul, nagu magevesi (nt põhjavesi, pinnavesi) või puhastatud reovesi, saab iga üksikjuhtumi puhul eraldi valideerida. Iga sihtühendi puhul kvantiseeritakse koos nii hargnenud ahelaga isomeerid kui ka vastavad hargnemata ahelaga isomeerid. Selle meetodiga määratud valitud ainete kogum esindab mitmesuguseid PFAS-e. See meetod on valideeritud tabelis 1 nimetatud analüütide jaoks. Selles tabelis toodud loendit saab muuta olenevalt meetodi eesmärgist ja fookusest. Selle meetodi madalam rakendusvahemik võib varieeruda olenevalt kasutatava aparatuuri tundlikkusest ja proovide maatriksist. Paljude ainete puhul, mille suhtes see dokument kehtib, on võimalik saavutada määramispiir (LOQ) 1 ng/l. Suureruumalalise otsesüsti kasutamine, nagu kirjeldatud meetodi osas A, või SPE, nagu kirjeldatud meetodi osas B, võimaldab madalamaid LOQ-sid. Analüütilised piirangud võivad esineda lühikese ahelaga PFAS-ide või PFAS-ide puhul, mille süsinikuahelas on rohkem kui kümme süsinikuaatomit. Tegelikud LOQ-d võivad sõltuda ka üksikute laborite saavutatud tühinäidu väärtustest. MÄRKUS See dokument võimaldab analüüsida neid 20 PFAS-i, mis on loetletud EL-i joogivee direktiivi EL 2020/2184 [4] lisa III osa B punktis 3, et jälgida PFAS-i summa parameetrilist piirväärtust 0,10 µg/l. Lisaks saab selle dokumendi abil analüüsida ka nende PFAS-ainete alternatiive ja asendajaid.

EVS-EN ISO 7393-1:2000

Vee kvaliteet. Vaba ja üldkloori määramine. Osa 1: Tiitrimine N,N-dietüül-1,4-fenüleendiamiiniga
Water quality - Determination of free chlorine and total chlorine - Part 1: Titrimetric method using N,N-diethyl-1,4-phenylenediamine

See ISO 7393 osa täpsustab titrimeetrilist meetodit vaba kloori ja üldkloori määramiseks vees. Merevesi ja veed, mis sisaldavad bromiide ja jodiide, moodustavad rühma, mille jaoks on vaja erilisi protseduure.[2] See meetod sobib kontsentratsioonidele, kus kloor (Cl2) üldkloorina on 0,0004 mmol/l kuni 0,07 mmol/l (0,03 mg/l kuni 0,5 mg/l) ja kõrgemate kontsentratsioonide jaoks proovide lahjendamise korral. Kõrgemate kontsentratsioonide kui 0,07 mmol/l korral saab kasutada ka standardit ISO 7393-3.

Lisa A kirjeldab protseduuri, kus eristatakse monoklooramiini tüüpi seotud kloori, diklooramiini tüüpi seotud kloori ja lämmastiktrikloriidi vormis seotud kloori. Mitmed ühendid segavad selles standardi ISO 7393 osas kirjeldatud määramist. Segavad mõjud on välja toodud peatükkides 7 ja 9.

EVS-EN ISO 7393-2:2018

Vee kvaliteet. Vaba ja üldkloori määramine. Osa 2: Kolorimeetria N,N-dietüül-1,4-fenüleendiamiiniga, rutiinse kontrolli eesmärgil

Water quality - Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-dialkyl-1,4-phenylenediamine, for routine control purposes (ISO 7393-2:2017)

See dokument määrab kindlaks meetodi vaba kloori ja üldkloori määramiseks vees, mis on hõlpsasti rakendatav labori- ja välikatsetes. See põhineb punase DPD värvikompleksi neeldumise mõõtmisel fotomeetris või värvi intensiivsuse visuaalsel võrdlemisel korrapäraselt kalibreeritavate standarditega. See meetod sobib joogivee ja muude veeliikide jaoks, kus täiendavad halogeenid, nagu broom, jood ja muud oksüdeerivad ained, on peaaegu olematus koguses. Merevesi ning bromiide ja jodiide sisaldavad veed moodustavad rühma, mille puhul tuleb läbi viia eriprotseduurid. See meetod on praktikas rakendatav kloori (Cl2) kontsentratsioonide korral, näiteks 0,0004 mmol/l kuni 0,07 mmol/l (nt 0,03 mg/l kuni 5 mg/l) üldkloori. Suuremate kontsentratsioonide korral proov lahjendatakse. Tavaliselt kasutatakse seda meetodit välikatsetes mobiilsete fotomeetrite ja kaubanduslikult saadavate kasutusvalmis reaktiividega (vedelad reaktiivid, pulbrid ja tabletid). On oluline, et need reaktiivid vastaksid miinimumnõuetele ning sisaldaksid olulisi reagente ja puhversüsteemi, mis sobivad mõõtelahuse pH reguleerimiseks tavaliselt vahemikku 6,2–6,5. Kui tekib kahtlus, et veeproovidel on ebatavalised pH väärtused ja/või puhvermahtuvus, peab kasutaja proovi pH-d kontrollima ja vajaduse korral reguleerima soovitud vahemikku. Proovi pH on vahemikus pH 4 kuni 8. Vajaduse korral reguleerida enne katset naatriumhüdroksiidi lahuse või väävelhappega. Protseduur monoklooramiini tüüpi seotud kloori, diklooramiini tüüpi seotud kloori ja lämmastiktrikloriidi vormis seotud kloori eristamiseks on esitatud lisas A. Lisas C on esitatud vaba ja üldkloori määramise protseduur joogivees ja muudes vähesaastatud vetes, ühekordselt kasutatavate tasapinnaliste reaktiiviga täidetud küvettide jaoks, kasutades mesojuga kanaliga pumpa/kolorimeetrit.

EVS-EN ISO 7393-3:2000

Vee kvaliteet. Vaba ja üldkloori määramine. Osa 3: Üldkloori määramine jodomeetriliselt

Water quality - Determination of free chlorine and total chlorine - Part 3: Iodometric titration method for the determination of total chlorine

See ISO 7393 osa täpsustab vees üldkloori määramiseks jodomeetrilise tiitrimisega meetodi. See meetod sobib kloori (Cl2) kontsentratsioonidele 0,01 mmol/l kuni 0,21 mmol/l (0,71 mg/l kuni 15 mg/l). Mitmed ühendid segavad määramist (vt peatükk 10). Lisa B täpsustab otsetiitrimise meetodit. Seda rakendatakse töödeldud joogivees kloori määramisel kontsentratsioonidel üle 7 □mol/l (0,5 mg/l).

EVS-ISO 22734-MOD:2024

Vee elektrolüüsi kasutavad vesinikugeneraatorid. Tööstuslikud, kaubanduslikud ja kodutarbija rakendused

Hydrogen generators using water electrolysis. Industrial, commercial, and residential applications (ISO 22734:2019, modified)

See dokument määratleb konstruktsiooni-, ohutus- ja jõudlusnõuded modulaarsetele või tehases sobitatud vesinikgaasi tootmisseadmetele (edaspidi vesinikugeneraatorid), mis kasutavad elektrokeemilisi reaktsioone vesiniku tootmiseks vee elektrolüüsi teel. See dokument on kohaldatav vesinikugeneraatoritele, mis kasutavad järgmist tüüpi ioonide transpordikeskkondi: — aluste vesilahused; — hapete vesilahused; — tahked polümeersed materjalid, millele on lisatud happelisi funktsionaalrühmi, näiteks prootonvahetusmembraan (PEM); — tahked polümeersed materjalid, millele on lisatud aluselisi funktsionaalrühmi, näiteks anioonvahetusmembraan (AEM). See dokument kehtib vesinikugeneraatorite kohta, mis on mõeldud tööstuslikuks ja kaubanduslikuks kasutuseks, samuti kasutamiseks kodutarbijale sise- ja välistingimustes ilmastiku eest kaitstud oludes, nagu autovarjualused, garaažid, majapidamisruumid ja muud sarnased eluruumid. Vesinikugeneraatorid, mida saab kasutada ka elektri tootmiseks, näiteks pööratavad kütuseelemendid, ei kuulu selle dokumendi käsitlusalasse. Elamutele mõeldud vesinikugeneraatorid, mis tarnivad saadusena ka hapnikku, ei kuulu selle dokumendi käsitlusalasse.

STANDARDIPEALKIRJADE MUUTMINE

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

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 13645:2002	Installations and equipment for liquefied natural gas - Design of onshore installations with a storage capacity between 5 t and 200 t	Veeldatud maagaasi paigaldised ja seadmed. Maismaal asuvate 5-tonnise kuni 200-tonnise mahutavusega paigaldiste projekteerimine
EVS-EN ISO 7393-1:2000	Water quality - Determination of free chlorine and total chlorine - Part 1: Titrimetric method using N,N-diethyl-1,4-phenylenediamine	Vee kvaliteet. Vaba ja üldkloori määramine. Osa 1: Tiitrimine N,N-dietüül-1,4-fenüleendiamiiniga
EVS-EN ISO 7393-2:2018	Water quality - Determination of free chlorine and total chlorine - Part 2: Colorimetric method using N,N-dialkyl-1,4-phenylenediamine, for routine control purposes (ISO 7393-2:2017)	Vee kvaliteet. Vaba ja üldkloori määramine. Osa 2: Kolorimeetria N,N-dietüül-1,4-fenüleendiamiiniga, rutiinse kontrolli eesmärgil
EVS-EN ISO 7393-3:2000	Water quality - Determination of free chlorine and total chlorine - Part 3: Iodometric titration method for the determination of total chlorine	Vee kvaliteet. Vaba ja üldkloori määramine. Osa 3: Üldkloori määramine jodomeetriliselt