EVS TEATAJA

Avaldatud 16.10.2023

Uued Eesti standardid

Standardikavandite **arvamusküsitlus**

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite **tõlked kommenteerimisel**

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

Ilmub alates 1993. aastast ISSN 2806-1802

SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 17343:2023

Railway applications - General terms and definitions

This document provides terms and definitions for rail networks and rail vehicles guided by track and wheels, both made of steel and/or other materials. This includes heavy rail and urban rail systems. This document is applicable as a reference for future European Standards and the revision of existing standards and represents a set of general technical terms and definitions. This document does not apply to specific applications such as: - track construction and maintenance machines not travelling on rails; - road-rail machines when not travelling on rails; - magnetic levitation transport networks and vehicles; - guided busways and guided busses; - non-public rail networks and vehicles, e.g. mine rail systems; - rail networks and vehicles exclusively for leisure, historical and tourist purposes, e.g. mountain-, field-, park-, cable rail systems, funiculars and theme park rides; - trolley busses. Not in the scope are terms and definitions related to: - control command and signalling, - operation, - geographical aspects.

Keel: en
Alusdokumendid: prEN 17343
Asendab dokumenti: EVS-EN 17343:2020

EVS-EN ISO 23783-1:2023

Automated liquid handling systems - Part 1: Vocabulary and general requirements (ISO 23783-1:2022)

This document defines terms relating to automated liquid handling systems (ALHS). This document also specifies general requirements for the use of ALHS. It describes types of ALHS and specific use requirements, settings, and adjustments for each ALHS type. It also specifies environmental requirements for the use of ALHS. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE Measurement procedures for the determination of volumetric performance are given in ISO 23783-2. The determination, specification, and reporting of volumetric performance of automated liquid handling systems are described in ISO 23783-3.

Keel: en
Alusdokumendid: ISO 23783-1:2022; EN ISO 23783-1:2023

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

CWA 18038:2023

Methodology for managing maintenance strategy and remanufacturing projects of large industrial equipment

This document defines a methodology that enables a new paradigm for the maintenance of large industrial equipment -specifically in the manufacturing sector- that approaches the end of its design life. The methodology is based on a systematic assessment of strategies comprised of one or more technical solutions (hardware, software, training, or a mix of those) related to the re-manufacturing or refurbishment of the equipment. The target group of the CWA are industrial equipment maintenance practitioners concerned with re-manufacturing or refurbishment, public authorities concerned with circular economy models for large industrial equipment, as well as research and development departments in industry and research.

Keel: en
Alusdokumendid: CWA 18038:2023

EVS-EN 17837:2023

Postal Services - Parcel Delivery Environmental Footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services

This document establishes a common methodology for the calculation, allocation and declaration of Greenhouse gases (GHGs) as well as air pollutant emissions related to any parcel delivery service. It only covers a part of the entire retail value chain. The retail value chain usually consists of creating the product, storing the inventory, distributing the goods and making the product available for consumers. This document includes only the distribution of goods but considers the entire value chain of the parcel transportation process flow, namely the collection and delivery rounds, the trunking and the operations due to processing and the physical handling of parcels. See Figure 1 below for a graphical illustration.

Keel: en
Alusdokumendid: EN 17837:2023

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 4973:2023

Cosmetics - Microbiology - Quality control of culture media and diluents used in cosmetics standards (ISO 4973:2023)

This document specifies the minimum requirements for quality control of microbiological culture media and diluents in order to demonstrate their ability to detect microorganisms and to ensure reliability of the microbiological test methods described in the ISO cosmetics microbiology standards. This document describes mainly growth promotion and microbial control tests and is applicable to both commercially ready-to-use culture media and culture media prepared from dehydrated culture media or basic constituents in the user's laboratory. Other methods can be substituted provided that their equivalence has been demonstrated.

Keel: en
Alusdokumendid: ISO 4973:2023; EN ISO 4973:2023

EVS-EN ISO 6888-1:2021/A1:2023

Toiduahela mikrobioloogia. Horisontaalmeetod koagulaaspositiivsete stafülokokkide (Staphylococcus aureus ja teised liigid) loendamiseks. Osa 1: Baird-Parkeri agarsöötme kasutamise meetod
Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) - Part 1: Method using Baird-Parker agar medium - Amendment 1 (ISO 6888-1:2021/Amd 1:2023)

Amendment to EN ISO 6888-1:2021

Keel: en
Alusdokumendid: ISO 6888-1:2021/Amd 1:2023; EN ISO 6888-1:2021/A1:2023
Muudab dokumenti: EVS-EN ISO 6888-1:2021

EVS-EN ISO 6888-1:2021+A1:2023

Toiduahela mikrobioloogia. Horisontaalmeetod koagulaaspositiivsete stafülokokkide (Staphylococcus aureus ja teised liigid) loendamiseks. Osa 1: Baird-Parkeri agarsöötme kasutamise meetod
Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) – Part 1: Method using Baird-Parker agar medium (ISO 6888-1:2021 + ISO 6888-1:2021/Amd 1:2023)

This document specifies a horizontal method for the enumeration of coagulase-positive staphylococci by counting the colonies obtained on a solid medium (Baird-Parker medium)[10] after aerobic incubation at 34 °C to 38 °C and coagulase confirmation. This document is applicable to: — products intended for human consumption; — products intended for animal feeding; — environmental samples in the area of food and feed production, handling, and — samples from the primary production stage. This horizontal method was originally developed for the examination of all samples belonging to the food chain. Because of the large variety of products in the food chain, it is possible that this horizontal method is not appropriate in every detail for all products. Nevertheless, it is expected that the required modifications are minimized so that they do not result in a significant deviation from this horizontal method. Based on the information available at the time of publication of this document, this method is not considered to be (fully) suited to the examination of fermented products or other products containing technological flora based on Staphylococcus spp (e.g. S. xylosus) (such as cheeses made from raw milk and certain raw meat products) likely to be contaminated by: — staphylococci forming atypical colonies on a Baird-Parker agar medium; — background flora that can obscure the colonies being sought. Nevertheless, both this document and ISO 6888-2 are given equivalent status.

Keel: en
Alusdokumendid: ISO 6888-1:2021; EN ISO 6888-1:2021; ISO 6888-1:2021/Amd 1:2023; EN ISO 6888-1:2021/A1:2023
Konsolideerib dokumenti: EVS-EN ISO 6888-1:2021
Konsolideerib dokumenti: EVS-EN ISO 6888-1:2021/A1:2023

EVS-EN ISO 6888-2:2021/A1:2023

Toiduahela mikrobioloogia. Horisontaalmeetod koagulaaspositiivsete stafülokokkide (Staphylococcus aureus ja teised liigid) loendamiseks. Osa 2: Küülikuplasma-fibrinogeenagarsöötme kasutamise meetod
Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) - Part 2: Method using rabbit plasma fibrinogen agar medium - Amendment 1 (ISO 6888-2:2021/Amd 1:2023)

Amendment to EN ISO 6888-2:2021

Keel: en
Alusdokumendid: ISO 6888-2:2021/Amd 1:2023; EN ISO 6888-2:2021/A1:2023
Muudab dokumenti: EVS-EN ISO 6888-2:2021

EVS-EN ISO 6888-2:2021+A1:2023

Toiduahela mikrobioloogia. Horisontaalmeetod koagulaaspositiivsete stafülokokkide (Staphylococcus aureus ja teised liigid) loendamiseks. Osa 2: Küülikuplasma-fibrinogeenagarsöötme kasutamise meetod
Microbiology of the food chain - Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) - Part 2: Method using rabbit plasma fibrinogen agar medium (ISO 6888-2:2021 + ISO 6888-2:2021/Amd 1:2023)

This document specifies a horizontal method for the enumeration of coagulase-positive staphylococci by counting the colonies obtained on a solid medium (rabbit plasma fibrinogen agar medium) after aerobic incubation at 34 °C to 38 °C (see Reference [10]). This document is applicable to: — products intended for human consumption; — products intended for animal feeding; — environmental samples in the area of food and feed production and handling; — samples from the primary production stage. This horizontal method was originally developed for the examination of all samples belonging to the food chain. Because of the large variety of products in the food chain, it is possible that this horizontal method is not appropriate in every detail for all products. Nevertheless, it is expected that the required modifications are minimized so that they do not result in a significant deviation from this horizontal method. Based on the information available at the time of publication of this document, this method is particularly suitable for the examination of fermented products or other products containing technological microbiota based on Staphylococcus spp. (e.g. S. xylosus) (such as cheeses made from raw milk and certain raw meat products) likely to be contaminated by: — staphylococci forming atypical colonies on a Baird-Parker agar medium; — background microbiota that can obscure the colonies being sought. Nevertheless, both ISO 6888-1 and this document are given equivalent status.

Keel: en
Alusdokumendid: ISO 6888-2:2021; EN ISO 6888-2:2021; ISO 6888-2:2021/Amd 1:2023; EN ISO 6888-2:2021/A1:2023
Konsolideerib dokumenti: EVS-EN ISO 6888-2:2021
Konsolideerib dokumenti: EVS-EN ISO 6888-2:2021/A1:2023

11 TERVISEHOOLDUS

EVS-EN IEC 60601-2-76:2019/A1:2023

Medical electrical equipment - Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment

Amendment to EN IEC 60601-2-76:2019

Keel: en
Alusdokumendid: IEC 60601-2-76:2018/AMD1:2023; EN IEC 60601-2-76:2019/A1:2023
Muudab dokumenti: EVS-EN IEC 60601-2-76:2019

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TR 1317-10:2023

Road restraint systems - Part 10: Assessment methods and design guidelines for transitions, terminal and crash cushion connection - transitions

This Technical Report defines assessment methods for transitions, considered as the linkage between safety barriers or between safety barriers and removable barrier sections defined by CEN/TS RBS. This Technical Report also defines assessment methods for connection-transitions to terminals and crash cushions. Road Authorities and regulatory authorities are free to determine assessment methods, values, measurements etc. and to fix the details of the requirements. Assessment methods and design rules can also be utilised in connection to evaluation of changed versions.

Keel: en
Alusdokumendid: CEN/TR 1317-10:2023
Asendab dokumenti: EVS-ENV 1317-4:2010

CWA 18038:2023

Methodology for managing maintenance strategy and remanufacturing projects of large industrial equipment

This document defines a methodology that enables a new paradigm for the maintenance of large industrial equipment -specifically in the manufacturing sector- that approaches the end of its design life. The methodology is based on a systematic assessment of strategies comprised of one or more technical solutions (hardware, software, training, or a mix of those) related to the re-manufacturing or refurbishment of the equipment. The target group of the CWA are industrial equipment maintenance practitioners concerned with re-manufacturing or refurbishment, public authorities concerned with circular economy models for large industrial equipment, as well as research and development departments in industry and research.

Keel: en
Alusdokumendid: CWA 18038:2023

EVS 840:2023

Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings

Selles Eesti standardis antakse projekteerijatele ja ehitajatele juhised radooniohutu hoone ehitamiseks, et vältida kopsuvähki haigestumise riski suurendava radooni asjakohases õigusaktis toodud taseme ületamist ruumides, kus inimesed pikemat aega

viibivad. Standardis on esitatud valik radooniohu vähendamise meetmeid. Tuleb arvestada, et see loetelu ja lahendused pole lõplikud ning lisaks võib radooniohutuse tagada ka muude lahendustega, mille toimivust on uuritud ja dokumenteeritult tõestatud. Arvestades objekti eripärasid ning kasutusele võetavate ruumide eesmärki, tuleb projekteerimisel ja ehitamisel läheneda juhtumipõhiselt.

Keel: et
Asendab dokumenti: EVS 840:2017

EVS-EN 1300:2023

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

This document specifies requirements for high security locks (HSL) for reliability, resistance to burglary and manipulation with methods of testing. It also provides a scheme for classifying HSL in accordance with their assessed resistance to burglary and unauthorized opening. It is applicable to mechanical and electronic HSL. For electronic locks used in a distributed system, see EN 17646 for further information. The following features can be included as optional subjects but they are not mandatory: a) recognized code for preventing code altering and/or enabling/disabling parallel codes; b) recognized code for disabling time set up; c) integration of alarm components or functions; d) resistance to attacks with acids; e) resistance to X-rays; f) resistance to explosives; g) time functions.

Keel: en
Alusdokumendid: EN 1300:2023
Asendab dokumenti: EVS-EN 1300:2018

EVS-EN 17837:2023

Postal Services - Parcel Delivery Environmental Footprint - Methodology for calculation and declaration of GHG emissions and air pollutants of parcel logistics delivery services

This document establishes a common methodology for the calculation, allocation and declaration of Greenhouse gases (GHGs) as well as air pollutant emissions related to any parcel delivery service. It only covers a part of the entire retail value chain. The retail value chain usually consists of creating the product, storing the inventory, distributing the goods and making the product available for consumers. This document includes only the distribution of goods but considers the entire value chain of the parcel transportation process flow, namely the collection and delivery rounds, the trunking and the operations due to processing and the physical handling of parcels. See Figure 1 below for a graphical illustration.

Keel: en
Alusdokumendid: EN 17837:2023

EVS-EN 50724:2023

Fixed Ultrasonic Gas Leak Detectors (UGLD) - General requirements and test methods

This document refers to UGLDs (ultrasonic gas leak detectors) that work in a frequency beyond the audible range. This document is applicable to fixed ultrasonic gas leak detection equipment intended to provide an indication, alarm or other output function for the purpose of initiating automatic or manual protective action(s). This document specifies general requirements for design, testing and performance, and describes test methods that apply to UGLD. The following items are considered in this document: - Leak rates to be used to verify the detection range of UGLD, - Test gas to be used (nitrogen or compressed air), - Nozzle shape and size used at all tests leak rate tests, - Gas pressure used at all leak rate tests, - Time duration of each leak rate test, - Test leak nozzle height from solid ground, - Test leak nozzle angling relative to test UGLD, - UGLD angle relative to the leak (field of coverage of the UGLD), - Wind speed and direction, air temperature and humidity at day of test, - Minimum distance to solid structures (walls, etc.) at test site, - Installation height relative to the ground, - Texture of solid ground between leak and UGLD, - Background noise sources, known to interfere with UGLDs, - Specification of detection radius in 3 dimensions, - Operational requirements such as temperature, vibration, etc. This document is also applicable when an equipment manufacturer makes any claims regarding any special features of construction or superior performance that exceed the minimum requirements of this document. This document prescribes that all such claims are verified, and that the test procedures are extended or supplemented, where necessary, to verify the claimed performance. The additional tests are agreed between the manufacturer and test laboratory and identified and described in the test report. This document does not apply to portable gas detectors using ultrasonic measurements nor to gas detectors using non-ultrasonic measurements to detect a gas leak.

Keel: en
Alusdokumendid: EN 50724:2023

EVS-EN ISO 24187:2023

Principles for the analysis of microplastics present in the environment (ISO 24187:2023)

This document describes the principles to be followed in the analysis of microplastics in various environmental matrices. This includes the unique particle size classification of plastics, the use of certain apparatus with regard to sampling, sample preparation, and the determination of representative sample quantities. The purpose of this document is to specify minimum requirements until specific standards for the different case situations are available. This is important to ensure that the development of the specific standards is done on a consistent basis to ensure that comparison or correlation of results is possible. This document does not include requirements for monitoring actions.

Keel: en
Alusdokumendid: ISO 24187:2023; EN ISO 24187:2023

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN ISO 23783-2:2023

Automated liquid handling systems - Part 2: Measurement procedures for the determination of volumetric performance (ISO 23783-2:2022)

This document specifies procedures for the determination of volumetric performance of automated liquid handling systems (ALHS), including traceability and estimations of measurement uncertainty of measurement results. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE For terminology and general requirements of automated liquid handling systems, see ISO 23783-1. Determination, specification, and reporting of volumetric performance of automated liquid handling systems is described in ISO 23783-3.

Keel: en
Alusdokumendid: ISO 23783-2:2022; EN ISO 23783-2:2023

EVS-EN ISO 23783-3:2023

Automated liquid handling systems - Part 3: Determination, specification and reporting of volumetric performance (ISO 23783-3:2022)

This document provides guidance and establishes requirements for collecting and examining volumetric performance data of automated liquid handling systems (ALHS). It specifies how to index and track volumetric performance data and provides descriptive statistics for the evaluation of these data. This document also specifies reporting requirements of ALHS volumetric performance. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE For terminology and general requirements of automated liquid handling systems, see ISO 23783-1. Measurement procedures for the determination of volumetric performance are given in ISO 23783-2.

Keel: en
Alusdokumendid: ISO 23783-3:2022; EN ISO 23783-3:2023

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN ISO 683-17:2023

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO 683-17:2023)

This document specifies the technical delivery requirements for five groups of wrought ball and roller bearing steels as listed in Table 3, namely — through-hardening bearing steels (steels with about 1 % C and 1 % to 2 % Cr), — case-hardening bearing steels, — induction-hardening bearing steels (unalloyed and alloyed), — stainless bearing steels, and — high-temperature bearing steels. This document is applicable to the products and heat-treatment conditions given in Table 1 and the surface conditions given in Table 2.

Keel: en
Alusdokumendid: ISO 683-17:2023; EN ISO 683-17:2023
Asendab dokumenti: EVS-EN ISO 683-17:2014

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 5210:2023

Industrial valves - Multi-turn valve actuator attachments (ISO 5210:2023)

This document specifies the requirements for the attachment of multi-turn actuators to valves. Throughout this document, “actuator” can be understood as “actuator and/or gearbox” providing a multi-turn and/or linear output. It specifies: — flange dimensions necessary for the attachment of actuators to industrial valves [see Figure 1 a)] or to intermediate supports [see Figure 1 b)]; — those driving component dimensions of actuators which are necessary to attach them to the driven components; — reference values for torque and thrust for flanges having the dimensions specified in this document.

Keel: en
Alusdokumendid: ISO 5210:2023; EN ISO 5210:2023
Asendab dokumenti: EVS-EN ISO 5210:2017

25 TOOTMISTEHNOLOOGIA

CWA 18038:2023

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Keel: en
Alusdokumendid: CWA 18038:2023

EVS-EN 15085-1:2023

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 1: Üldnõuded
Railway applications - Welding of railway vehicles and components - Part 1: General

See dokument määratleb terminid raudteeveeremi ja sellega seotud komponentide keevitamise valdkonnas. See dokument on rakendatav kõikide koostude, alamkoostude või osade kohta, mis on keevitatud mis tahes keevitusprotsessiga, kas käsitsi, osaliselt mehhaniseeritud, täielikult mehhaniseeritud või automaatse keevitamise teel, nagu on määratletud standardis EN ISO 4063.

Keel: en, et
Alusdokumendid: EN 15085-1:2023
Asendab dokumenti: EVS-EN 15085-1:2007+A1:2013

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 62788-2-1:2023

Measurement procedures for materials used in photovoltaic modules - Part 2-1: Polymeric materials - Frontsheet and backsheet - Safety requirements

This document specifies the safety requirements for flexible polymeric frontsheet and backsheet constructions, which are intended for use as relied upon insulation in photovoltaic (PV) modules. In accordance with the corresponding safety requirements in IEC 61730-1 on the PV module level, the test methods and specifications in this document define the specific requirements of the polymeric frontsheet or backsheet constructions on the component level and cover mechanical, electrical, visual and thermal characterization in an unexposed state and/or after ageing. A polymeric frontsheet and backsheet must pass the requirements in this standard for a PV module to pass the design requirements of IEC 61730-1. Compliance with the safety requirements for a frontsheet or backsheet on the component level does not replace the need for a safety qualification of the complete PV module, in which the frontsheet or backsheet is integrated. The appropriate requirements for testing and qualification on the PV module level are defined in IEC 61730-1 (or IEC TS 62915 in case of retesting) and IEC 61215-1, with test methods provided by IEC 61730-2 and IEC 61215-2, respectively.

Keel: en
Alusdokumendid: IEC 62788-2-1:2023; EN IEC 62788-2-1:2023

29 ELEKTROTEHNIKA

EVS-EN 50110-1:2023

Elektripaigaldiste käit. Osa 1: Üldnõuded
Operation of electrical installations - Part 1: General requirements

See standard kehtib elektripaigaldiste käidul ja elektripaigaldistes, nende juures või lähedal sooritatavate kõigi töötoimingute kohta. Siia kuuluvad paigaldised, mis talitlevad pingetasemetel alates väikepingest kuni kõrgepingeni. Viimane termin hõlmab ka neid pingetasemeid, mida tavaliselt nimetatakse keskpingeks ja ülikõrgepingeks. Nimetatud elektripaigaldised on ette nähtud elektrienergia tootmiseks, edastamiseks, muundamiseks, jaotamiseks ja kasutamiseks. Mõned nendest (nt tööstusettevõtete ja asutuste elektrijaotuspaigaldised) on kestevtoimelised ja kohtkindlad, teised (nt ehitusplatsidel) on ajutised, kolmandad aga liikuvad või teisaldatavad kas pingestatud olekus või pinge- ja laenguvabadena (nt elektriajamiga kaevandusmasinad karjäärides ja avasöekaevandustes). See standard sätestab elektripaigaldiste ohutu käidu ja elektripaigaldistes, nende juures või lähedal sooritatavate töötoimingute ohutusnõuded. Need nõuded kehtivad operatiiv-, töö- ja hooldetoimingute kohta. Need kehtivad ka kõigi nii mitteelektritööde (nt õhu- või kaabelliinide läheduses tehtavate ehitustööde) kui ka elektritööde kohta, kui on tegemist elektrilise ohuga. See standard ei laiene paigaldisi ja seadmeid kasutavatele tavaisikutele, kui paigaldised ja seadmed on projekteeritud ja paigaldatud sellistena, et neid võivad kasutada tavaisikud ning et nad vastavad sellekohaste standardite nõuetele. See standard ei ole spetsiaalselt mõeldud kohaldamiseks allpool loetletud elektripaigaldistele. Kui aga ei ole muid juhiseid ega töötamisreegleid, võib selle standardi põhimõtteid rakendada ka — mis tahes omal jõul liikuvatele õhu- või hõljuksõidukitele (need alluvad rahvusvahelistele lennundusnõuetele, mis on sel juhul riigisiseste nõuete ees ülimuslikud); — mis tahes omal jõul liikuvatele või veetavatele meresõidukitele (need alluvad rahvusvahelistele merendusnõuetele, mis on sel juhul riigisiseste nõuete ees ülimuslikud); — elektroonilistele telekommunikatsiooni- ja infosüsteemidele; — elektronaparatuuril põhinevatele mõõte-, juhtimis- ja automaatikasüsteemidele; — söe- jm kaevandustele; — rahvusvahelistele merendusnõuetele alluvatele avamerepaigaldistele; — sõidukitele; — elekterveosüsteemidele; — elektrialastele eksperimentaaluurimispaigaldistele.

Keel: en, et
Alusdokumendid: EN 50110-1:2023
Asendab dokumenti: EVS-EN 50110-1:2013

EVS-EN 50341-2-7:2023

Overhead electrical lines exceeding AC 1 kV - Part -2-7: National Normative Aspects (NNA) for FINLAND (based on EN 50341-1:2012)

1.1 General (ncpt) FI.1 Application of the standard in Finland In Finland the standard EN 50341-1 (Part 1) can only be applied using this NNA (EN 50341-2-7) containing National Normative Aspects for Finland. The requirements of the standard are applied also for low voltage (below 1 kV AC) overhead lines. The requirements of the structural design are applicable also for DC overhead lines, where the electrical requirements are given in the Project Specification. This standard is applicable for new overhead lines

only. (ncpt) FI.2 Application for existing overhead lines Overhead lines complying with the mechanical and electrical requirements of its original date of construction can be operated and maintained, if they do not cause obvious danger. The reparation and overhaul of lines can be done according to the previous requirements. Reparation means that a component which has been damaged is substituted with a similar new one. Overhaul means a wider improvement of the line for extending its lifetime. The basic structure remains same as before. This standard should be used for all modification works on existing lines. In modification works earlier norms and standards may also be used. In that case it shall especially be verified that changes in actions do not have significant impact on the loads of lines. Modification work means e.g. relocation of some supports or an extension to a line when this supplement has been taken into account in the original design, e.g. addition of a circuit or changing of the conductors to existing supports. 1.2 Field of application (ncpt) FI.1 Application to covered conductors and aerial cables The standard includes requirements for the design and construction of overhead lines equipped with covered conductors and aerial cables. Additionally, the requirements of the equipment standards and manufacturers' instructions shall be followed. (ncpt) FI.2 Application to cables for telecommunication The standard includes requirements for the application of telecommunication cables installed on common supports with electrical lines. (ncpt) FI.3 Installation of other equipment Only equipment belonging to the line (electric or telecommunication line) can be installed on the overhead lines. However, equipment serving communal services or environmental protection like telecommunication equipment, road signs, warning signs or warning balls may also be installed with the permission of the owner of the line. Other equipment than those mentioned above can also be installed on supports equipped with aerial cables with the permission of the owner of the line. If other equipment is installed on the supports, the requirements of safe working practices shall be taken into account. The installation height of equipment meant to be installed and maintained by an ordinary person shall be such that the work can be done without climbing the support and the distances of safe electrical work can be followed (see standard SFS 6002). The additional loads due to other equipment on the line supports shall be taken into account.

Keel: en
Alusdokumendid: EN 50341-2-7:2023
Asendab dokumenti: EVS-EN 50341-2-7:2016

EVS-EN 60670-21:2007/A1:2023

Majapidamis- ja muude taoliste kohtkindlate elektripaigaldiste elektriseadmekastid ja -ümbrised. Osa 21: Erinõuded riputusseadistega varustatud kastidele ja ümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means

To cover requirements for boxes and enclosures with provision for suspension means

Keel: en
Alusdokumendid: EN 60670-21:2007/A1:2023; IEC 60670-21:2004/A1:2016
Muudab dokumenti: EVS-EN 60670-21:2007

EVS-EN 60670-21:2007/A11:2023

Majapidamis- ja muude taoliste kohtkindlate elektripaigaldiste elektriseadmekastid ja -ümbrised. Osa 21: Erinõuded riputusseadistega varustatud kastidele ja ümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means

To cover requirements for boxes and enclosures with provision for suspension means

Keel: en
Alusdokumendid: EN 60670-21:2007/A11:2023
Muudab dokumenti: EVS-EN 60670-21:2007
Muudab dokumenti: EVS-EN 60670-21:2007/A1:2023

EVS-EN 62751-2:2014/A2:2023

Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems - Part 2: Modular multilevel converters

Amendment to EN 62751-2:2014

Keel: en
Alusdokumendid: IEC 62751-2:2014/AMD2:2023; EN 62751-2:2014/A2:2023
Muudab dokumenti: EVS-EN 62751-2:2014

EVS-EN IEC 60674-3-3:2023

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 3: Polycarbonate (PC) films used for electrical insulation

This sheet of IEC 60674-3 gives the requirements for polycarbonate films used for electrical insulation. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application can be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. Safety warning: It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel: en
Alusdokumendid: IEC 60674-3-3:2023; EN IEC 60674-3-3:2023

Asendab dokumenti: EVS-EN 60674-3-3:2006

EVS-EN IEC 60674-3-7:2023

Plastic films for electrical purposes - Part 3: Specifications for individual materials - Sheet 7: Fluoroethylene-propylene (FEP) films used for electrical insulation

This sheet of IEC 60674-3 gives the requirements for fluoroethylene-propylene (FEP) films used for electrical insulation. Materials which conform to this specification meet established levels of performance. However, the selection of a material by a user for a specific application can be based on the actual requirements necessary for adequate performance in that application and not based on this specification alone. Safety warning: It is the responsibility of the user of the methods contained or referred to in this document to ensure that they are used in a safe manner.

Keel: en
Alusdokumendid: IEC 60674-3-7:2023; EN IEC 60674-3-7:2023
Asendab dokumenti: EVS-EN 60674-3-7:2006

EVS-EN IEC 60851-3:2023

Winding wires - Test methods - Part 3: Mechanical properties

This part of IEC 60851 specifies the following test methods for winding wires: – Test 6: Elongation; – Test 7: Springiness; – Test 8: Flexibility and adherence; – Test 11: Resistance to abrasion; – Test 18: Heat bonding. For definitions, general notes on test methods and the complete series of test methods for winding wires, IEC 60851-1 applies. This document also provides recommended friction test methods in Annex B.

Keel: en
Alusdokumendid: IEC 60851-3:2023; EN IEC 60851-3:2023
Asendab dokumenti: EVS-EN 60851-3:2009
Asendab dokumenti: EVS-EN 60851-3:2009/A1:2013
Asendab dokumenti: EVS-EN 60851-3:2009/A2:2019

EVS-EN IEC 61439-5:2023

Madalpingelised aparaadikoosted. Osa 5: Avalike elektrivõrkude elektrijaotuskoosted
Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2023)

See dokument määratleb erinõuded avaliku elektrivõrgu elektrijaotuskoostetele (public electricity network distribution assemblies, PENDA-d). Avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kriteeriumid on järgmised: — neid kasutatakse elektrienergia jaotamiseks kolmefaasilistes süsteemides, mille nimipinge ei ületa 1000 V vahelduvvoolu (tüüpilise jaotusvõrgu puhul vt joonis 101), ja alalisvoolusüsteemides, mille alalispinge ei ületa 1500 V; — need on kohtkindlad; — selle dokumendi järgi ei kuulu nende hulka lahtised koosted; — need sobivad paigaldamiseks kohtadesse, kuhu on ligipääs vaid elektrialaisikutel, kuid välioludes kasutatavaid jaotuskoosteid saab paigaldada ka tavaisikutele ligipääsetavalt: • on ettenähtud kasutamiseks avalikes elektrivõrkudes energia jaotamisel; • siseolude puhul paigaldatakse koosted elektrialajaamadesse; • väliolude puhul kasutatakse koosteid, mille ümbris sobib välitingimustes paigaldamiseks. Selle dokumendi eesmärk on esitada terminid ja määratlused ning täpsustada avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kasutustingimused, ehitusnõuded, tehnilised omadused ja katsetused. Mõned võrgu parameetrid võivad nõuda katsetusi kõrgematel sooritustasemetel. Avaliku elektrivõrgu elektrijaotuskoosted (PENDA-d) võivad sisaldada ka elektrienergia jaotusega seotud juhtimis- ja/või signalisatsiooniseadmeid. MÄRKUS 1 Juhtimis- ja seireseadmeid saab kasutada tarkvõrgu rakendustes või tarkvõrgu andmete edastamisel. See dokument kehtib kõigi avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kohta, olenemata sellest, kas need on projekteeritud, valmistatud ühekordselt või täielikult standardiseeritud ja toodetud hulgi koguses. Tootmist ja/või kokkupanekut võib teostada muul viisil kui algse tootja poolt (vt standardi IEC 61439-1:2020 termin 3.10.1). See dokument ei kehti üksikute seadmete ja eraldiseisvate komponentide kohta, nagu mootorikäivitid, sulavkaitse-lülitid, elektroonikaseadmed jne, mis vastavad asjakohastele tootestandarditele. Kui alajaam kuulub avaliku jaotusvõrgu operaatori (distribution system operaator, DSO) omandisse või haldusesse, kuuluvad trafoalajaamades madalpinge jaotusseadmes kasutatavad avaliku elektrivõrgu elektrijaotuskoosted (PENDA-d) selle dokumendi käsitlusalasse. See dokument ei kehti teatud tüüpi koostete kohta, mis on hõlmatud standardisarja IEC 61439 muude osadega. Joonis 101 — Tüüpiline jaotusvõrk MÄRKUS 2 Kui avaliku elektrivõrgu elektrijaotuskooste (PENDA) on varustatud lisaseadmetega (näiteks arvestitega) sellisel viisil, et selle põhifunktsiooni on tunduvalt muudetud, võib kasutaja ja tootja kokkuleppe järgi rakendada ka muid standardeid (vt standardi IEC 61439-1:2020 jaotis 8.5). MÄRKUS 3 Kui kohalikud eeskirjad ja tavad lubavad, võib sellele dokumendile vastavat avaliku elektrivõrgu elektrijaotuskoostet (PENDA-t) kasutada ka mitteavalikes elektrivõrkudes. MÄRKUS 4 Jaotusvõrguettevõtjad (DSO-d) saavad oma avaliku elektrivõrgu elektrijaotuskoostetele (PENDA-dele) määratleda lisanõudeid.

Keel: en, et
Alusdokumendid: IEC 61439-5:2023; EN IEC 61439-5:2023
Asendab dokumenti: EVS-EN 61439-5:2015
Asendab dokumenti: EVS-EN 61439-5:2015/AC:2017

EVS-EN IEC 61439-7:2023

Madalpingelised aparaadikoosted. Osa 7: Eriotstarbelised koosted näiteks sadamate, kämpingute, laadaplatside või elektrisõidukite laadimisjaamade jaoks
Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations

Clause 1 of IEC 61439-1:2020 is applicable except as follows. Replacement: This part of IEC 61439 defines the specific requirements for Assemblies for the following applications: marinas, camping sites, market squares and electric vehicle charging

stations as follows: - Assemblies for which the rated voltage does not exceed 1 000 V AC or 1 500 V DC; - Assemblies intended for use in connection with the generation, transmission, distribution and conversion of electric energy, and for the control of electric energy consuming equipment; - Assemblies operated by ordinary persons (e.g. to plug and unplug of electrical equipment); - Assemblies intended to be installed and used in market squares, marinas, camping sites and other similar sites accessible to the public including temporary installations; - Assemblies intended for charging stations for electric vehicles (AEVCS) for Mode 3 and Mode 4. They are designed to integrate the functionality and additional requirements for electric vehicle conductive charging systems according to IEC 61851-1:2017. NOTE 1 Throughout this document, the terms AMHS (see 3.1.701), ACCS (see 3.1.702), AMPS (see 3.1.703), AEVCS (see 3.1.704) are used for low-voltage switchgear and controlgear assemblies intended for use respectively in marinas and similar locations (AMHS), camping sites and similar locations (ACCS), market squares and other similar external public sites (AMPS) and charging stations (AEVCS). The term assemblies is used for indicating all these boards. This standard is not applicable to assemblies intended to be installed on board of ships, houseboats, pleasure crafts and similar vessels. For the correct selection of the switching devices and components, the following standards apply: - IEC 60364-7-709 (AMHS) or - IEC 60364-7-708 (ACCS) or - IEC 60364-7-740 (AMPS) or - IEC 60364-7-722 (AEVCS). This document applies to all assemblies whether they are designed, manufactured and verified on a one-off basis or fully standardised and manufactured in quantity. The manufacturing and/or assembling may be carried out other than by the original manufacturer (see 3.10.1 of IEC 61439-1:2020). This document does not apply to individual devices and self-contained components such as circuit breakers, fuse switches, electronic equipment, which comply with their relevant product standards. NOTE 2 Where electrical equipment is directly connected to public low-189 voltage supply system and equipped with an energy meter for billing of the legal provider of the low-voltage supply, additional particular requirements based on national regulations apply, if any. This document does not apply to boxes and enclosures for electrical accessories for household and similar fixed electrical installations as defined in IEC 60670-24.

Keel: en
Alusdokumendid: IEC 61439-7:2022; EN IEC 61439-7:2023
Asendab dokumenti: EVS-EN IEC 61439-7:2020

EVS-EN IEC 62208:2023

Tühjad ümbrised madalpinge lülitus- ja juhtaparaadikoostetele. Üldnõuded
Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements (IEC 62208:2023)

See dokument kehtib ümbrise tootja esitatud tühjade ümbriste kohta, enne kui kooste tootja lülitus- ja juhtaparaatide komponendid paigaldab. See dokument määrab kindlaks lülitus- ja juhtaparaadikoostete osana kasutatavate ümbriste üldised määratlused, liigitused, omadused ja katsetusnõuded (nt sarja IEC 61439 tootestandardi kohaselt), kui nende nimipinge ei ületa 1000 V vahelduvvoolu või 1500 V alalisvoolu korral ja need sobivad üldkasutuseks nii sise- kui ka välisoludes. MÄRKUS 1 Teatud rakenduste puhul võivad kehtida lisanõuded. MÄRKUS 2 Sellele dokumendile vastavad tühjad ümbrised sobivad elektriliste komponentide paigaldamiseks. See dokument ei kehti ümbriste kohta, mida hõlmavad muud spetsiifilised tootestandardid (nt IEC 60670-24). Tühja ümbrise abil toodetud lõpptoote puhul vastutab kehtiva tootestandardi ohutusnõuete järgimise eest kooste tootja. MÄRKUS 3 See dokument võib pakkuda aluspõhimõtteid teistele tehnilistele komiteedele.

Keel: en, et
Alusdokumendid: IEC 62208:2023; EN IEC 62208:2023
Asendab dokumenti: EVS-EN 62208:2012

31 ELEKTROONIKA

EVS-EN IEC 60393-3:2023

Potentiometers for use in electronic equipment - Part 3: Sectional specification: Rotary precision potentiometers

This part of IEC 60393 applies to rotary precision potentiometers for use in electronic equipment. The object of this standard is to prescribe preferred ratings and characteristics and to select from IEC 60393-1, the appropriate quality assessment procedures, tests and measuring methods and to give general performance requirements for this type of potentiometer. This standard gives the minimum performance requirements and test severities.

Keel: en
Alusdokumendid: IEC 60393-3:2023; EN IEC 60393-3:2023

EVS-EN IEC 61189-2-804:2023

Test methods for electrical materials, printed board and other interconnection structures and assemblies - Part 2-804: Test methods for time to delamination - T260, T288, T300

This International Standard specifies a test method to determine the time to delamination of base materials and printed boards using a thermomechanical analyzer (TMA). Temperatures used for this evaluation are typically 260 °C, 288 °C and 300 ºC, but are not limited to these values.

Keel: en
Alusdokumendid: IEC 61189-2-804:2023; EN IEC 61189-2-804:2023

33 SIDETEHNIKA

EVS-EN 303 213-5-1 V2.1.1:2023

Lennuvälja maapealse liikluse juhtimise täiustatud süsteem (A-SMGCS); Osa 5. Raadiospektrile juurdepääsu harmoneeritud standard multilateratsioon (MLAT) seadmetele; Alajaotus 1. Vastuvõtjad ja päringusaatjad
Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 5: Harmonised Standard for access to radio spectrum for Multilateration (MLAT) equipment; Sub-part 1: Receivers and Interrogators

The present document specifies technical characteristics and methods of measurements for the following equipment: 1) Interrogators transmitting in the 1 030 MHz band, used in Mode S multilateration equipment in an Advanced Surface Movement Guidance and Control System (A-SMGCS). 2) Receivers, receiving in the 1 090 MHz band, used in Mode S multilateration equipment in an Advanced Surface Movement Guidance and Control System (A-SMGCS). Antennas for this equipment are passive without an additional amplifier. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: ETSI EN 303 213-5-1 V2.1.1

EVS-EN 303 363-2 V1.1.1:2023

Lennujuhtimise seire sekundaarradarid (SSR); Raadiospektrile juurdepääsu harmoneeritud standard; Osa 2. Välised testtranspondrid (FFM)
Air Traffic Control Surveillance Radar Sensors; Secondary Surveillance Radar (SSR); Harmonised Standard for access to radio spectrum; Part 2: Far Field Monitor (FFM)

The present document specifies technical characteristics and methods of measurements for the following equipment used in ground-based ATC Secondary Surveillance Radar systems for civil air navigation: Far Field Monitors (FFM) operating on the frequencies as indicated in Table 2. Table 2: FFM operating frequencies Mode; Operating frequencies FFM Receive; 1 030 MHz FFM Transmit; 1 090 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: ETSI EN 303 363-2 V1.1.1

35 INFOTEHNOLOOGIA

CEN/TR 17982:2023

European Digital Identity Wallets standards Gap Analysis

This document identifies relevant existing standards and standards work in progress around European Digital Identity Wallets. It also identifies missing work items and overlaps in standards and is supposed to work as a roadmap for future standardization projects in the area.

Keel: en
Alusdokumendid: CEN/TR 17982:2023

EVS-EN ISO 25119-1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Üldised konstrueerimis- ja arendusreeglid
Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development (ISO 25119-1:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-1:2018; EN ISO 25119-1:2023

EVS-EN ISO 25119-1:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Üldised konstrueerimis- ja arendusreeglid

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development - Amendment 1 (ISO 25119-1:2018/Amd 1:2020)

Amendment to EN ISO 25119-1:2023/

Keel: en
Alusdokumendid: ISO 25119-1:2018/Amd 1:2020; EN ISO 25119-1:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-1:2023

EVS-EN ISO 25119-2:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 2: Kontseptsiooni etapp

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase (ISO 25119-2:2019)

This document specifies the concept phase of the development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (such as street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards., unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protection measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS's limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS's designed to prevent fire. Examples not included within the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (such as hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety-related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-2:2019; EN ISO 25119-2:2023

EVS-EN ISO 25119-3:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 3: Arenduse etapp, riist- ja tarkvara

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software (ISO 25119-3:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS's limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS's designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en

Alusdokumendid: ISO 25119-3:2018; EN ISO 25119-3:2023

EVS-EN ISO 25119-3:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 3: Arenduse etapp, riist- ja tarkvara
Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software - Amendment 1 (ISO 25119-3:2018/Amd 1:2020)

Amendment to EN ISO 25119-3:2023

Keel: en
Alusdokumendid: ISO 25119-3:2018/Amd 1:2020; EN ISO 25119-3:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-3:2023

EVS-EN ISO 25119-4:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 4: Valmistus, käitamine, muutmine ja tugiprotsessid
Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-4:2018; EN ISO 25119-4:2023

EVS-EN ISO 25119-4:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 4: Valmistus, käitamine, muutmine ja tugiprotsessid
Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes - Amendment 1 (ISO 25119-4:2018/Amd 1:2020)

Amendment to EN ISO 25119-4:2023

Keel: en
Alusdokumendid: ISO 25119-4:2018/Amd 1:2020; EN ISO 25119-4:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-4:2023

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 17750:2023

Agricultural and forestry machinery - Installation of lighting and light signalling devices on mounted implements

This document applies to front and rear-mounted implements on agricultural or forestry tractors, self-propelled machines, trailers or on towed machinery. This document specifies the requirements for lighting and light-signalling devices to be installed on the implement for safe on-road use. NOTE Mounted implements are considered to be interchangeable equipment and become part of the tractor, self-propelled machine, trailer or towed machine to which they are attached. This document describes the installation of lighting and light signalling devices on mounted implements when the vehicle's lighting and signalling devices cannot comply with the applicable road regulation requirements.

Keel: en
Alusdokumendid: EN 17750:2023

45 RAUDTEETEHNIKA

EVS-EN 15085-1:2023

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 1: Üldnõuded

Railway applications - Welding of railway vehicles and components - Part 1: General

See dokument määratleb terminid raudteeveeremi ja sellega seotud komponentide keevitamise valdkonnas. See dokument on rakendatav kõikide koostude, alamkoostude või osade kohta, mis on keevitatud mis tahes keevitusprotsessiga, kas käsitsi, osaliselt mehhaniseeritud, täielikult mehhaniseeritud või automaatse keevitamise teel, nagu on määratletud standardis EN ISO 4063.

Keel: en, et
Alusdokumendid: EN 15085-1:2023
Asendab dokumenti: EVS-EN 15085-1:2007+A1:2013

EVS-EN 17343:2023

Railway applications - General terms and definitions

This document provides terms and definitions for rail networks and rail vehicles guided by track and wheels, both made of steel and/or other materials. This includes heavy rail and urban rail systems. This document is applicable as a reference for future European Standards and the revision of existing standards and represents a set of general technical terms and definitions. This document does not apply to specific applications such as: - track construction and maintenance machines not travelling on rails; - road-rail machines when not travelling on rails; - magnetic levitation transport networks and vehicles; - guided busways and guided busses; - non-public rail networks and vehicles, e.g. mine rail systems; - rail networks and vehicles exclusively for leisure, historical and tourist purposes, e.g. mountain-, field-, park-, cable rail systems, funiculars and theme park rides; - trolley busses. Not in the scope are terms and definitions related to: - control command and signalling, - operation, - geographical aspects.

Keel: en
Alusdokumendid: prEN 17343
Asendab dokumenti: EVS-EN 17343:2020

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 16484:2023

Leather - Requirements for the determination of the origin of leather production

This document defines the requirements that are necessary to confer the origin of leather production based on the principle of the last substantial transformation according to Non-Preferential Rules of Origin. This document is applicable to leather only and it is applicable also to leather with hair. Furs are excluded. The country of origin of raw hides and skins isn’t relevant for the application of this document.

Keel: en
Alusdokumendid: EN 16484:2023
Asendab dokumenti: EVS-EN 16484:2015

EVS-EN ISO 1833-4:2023

Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite) (ISO 1833-4:2023)

This document specifies a method, using hypochlorite, to determine the mass percentage of protein fibre, after removal of non-fibrous matter, in textiles made of mixtures of certain non-protein fibres and certain protein fibres, as follows: — wool, other animal-hair (such as cashmere, mohair), silk, protein, with — cotton, cupro, viscose, modal, acrylic, chlorofibres, polyamide, polyester, polypropylene, glass, elastane, elastomultiester, elastolefin, melamine and polypropylene/polyamide bicomponent.

Keel: en
Alusdokumendid: ISO 1833-4:2023; EN ISO 1833-4:2023
Asendab dokumenti: EVS-EN ISO 1833-4:2017

65 PÕLLUMAJANDUS

EVS-EN 17750:2023

Agricultural and forestry machinery - Installation of lighting and light signalling devices on mounted implements

This document applies to front and rear-mounted implements on agricultural or forestry tractors, self-propelled machines, trailers or on towed machinery. This document specifies the requirements for lighting and light-signalling devices to be installed on the implement for safe on-road use. NOTE Mounted implements are considered to be interchangeable equipment and become part of the tractor, self-propelled machine, trailer or towed machine to which they are attached. This document describes the installation of lighting and light signalling devices on mounted implements when the vehicle's lighting and signalling devices cannot comply with the applicable road regulation requirements.

Keel: en
Alusdokumendid: EN 17750:2023

EVS-EN ISO 25119-1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Üldised konstrueerimis- ja arendusreeglid

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development (ISO 25119-1:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-1:2018; EN ISO 25119-1:2023

EVS-EN ISO 25119-1:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Üldised konstrueerimis- ja arendusreeglid

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development - Amendment 1 (ISO 25119-1:2018/Amd 1:2020)

Amendment to EN ISO 25119-1:2023/

Keel: en
Alusdokumendid: ISO 25119-1:2018/Amd 1:2020; EN ISO 25119-1:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-1:2023

EVS-EN ISO 25119-2:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 2: Kontseptsiooni etapp

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase (ISO 25119-2:2019)

This document specifies the concept phase of the development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (such as street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards., unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protection measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS's limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS's designed to prevent fire. Examples not included within the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (such as hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety-related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-2:2019; EN ISO 25119-2:2023

EVS-EN ISO 25119-3:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 3: Arenduse etapp, riist- ja tarkvara

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software (ISO 25119-3:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS's limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS's designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-3:2018; EN ISO 25119-3:2023

EVS-EN ISO 25119-3:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 3: Arenduse etapp, riist- ja tarkvara

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software - Amendment 1 (ISO 25119-3:2018/Amd 1:2020)

Amendment to EN ISO 25119-3:2023

Keel: en
Alusdokumendid: ISO 25119-3:2018/Amd 1:2020; EN ISO 25119-3:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-3:2023

EVS-EN ISO 25119-4:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 4: Valmistus, käitamine, muutmine ja tugiprotsessid

Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2018)

This document sets out general principles for the design and development of safety-related parts of control systems (SRP/CS) on tractors used in agriculture and forestry and on self-propelled ride-on machines and mounted, semi-mounted and trailed machines used in agriculture. It can also be applied to mobile municipal equipment (e.g. street-sweeping machines). This document is not applicable to: — aircraft and air-cushion vehicles used in agriculture; — lawn and garden equipment. This document specifies the characteristics and categories required of SRP/CS for carrying out their safety-related functions. It does not identify performance levels for specific applications. NOTE 1 Machine specific type-C standards can specify performance levels (AgPL) for safety-related functions in machines within their scope. Otherwise, the specification of AgPL is the responsibility of the manufacturer. This document is applicable to the safety-related parts of electrical/electronic/programmable electronic systems (E/E/PES), as these relate to mechatronic systems. It covers the possible hazards caused by malfunctioning behaviour of E/E/PES safety-related systems, including interaction of these systems. It does not address hazards related to electric shock, fire, smoke, heat, radiation, toxicity, flammability, reactivity, corrosion, release of energy, and similar hazards, unless directly caused by malfunctioning behaviour of E/E/PES safety-related systems. It also covers malfunctioning behaviour of E/E/PES safety-related systems involved in protective measures, safeguards, or safety-related functions in response to non-E/E/PES hazards. Examples included within the scope of this document: — SRP/CS limiting current flow in electric hybrids to prevent insulation failure/shock hazards; — electromagnetic interference with the SRP/CS; — SRP/CS designed to prevent fire. Examples not included in the scope of this document: — insulation failure due to friction that leads to electric shock hazards; — nominal electromagnetic radiation impacting nearby machine control systems; — corrosion causing electric cables to overheat. This document is not applicable to non-E/E/PES systems (e.g. hydraulic, mechanic or pneumatic). NOTE 2 See also ISO 12100 for design principles related to the safety of machinery. This document is not applicable to safety related parts of control systems manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO 25119-4:2018; EN ISO 25119-4:2023

EVS-EN ISO 25119-4:2023/A1:2023

Põllunduse ja metsanduse traktorid ja masinad. Juhtimissüsteemide ohutusega seotud osad. Osa 4: Valmistus, käitamine, muutmine ja tugiprotsessid
Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes - Amendment 1 (ISO 25119-4:2018/Amd 1:2020)

Amendment to EN ISO 25119-4:2023

Keel: en
Alusdokumendid: ISO 25119-4:2018/Amd 1:2020; EN ISO 25119-4:2023/A1:2023
Muudab dokumenti: EVS-EN ISO 25119-4:2023

71 KEEMILINE TEHNOLOOGIA

EVS-EN ISO 23783-1:2023

Automated liquid handling systems - Part 1: Vocabulary and general requirements (ISO 23783-1:2022)

This document defines terms relating to automated liquid handling systems (ALHS). This document also specifies general requirements for the use of ALHS. It describes types of ALHS and specific use requirements, settings, and adjustments for each ALHS type. It also specifies environmental requirements for the use of ALHS. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE Measurement procedures for the determination of volumetric performance are given in ISO 23783-2. The determination, specification, and reporting of volumetric performance of automated liquid handling systems are described in ISO 23783-3.

Keel: en
Alusdokumendid: ISO 23783-1:2022; EN ISO 23783-1:2023

EVS-EN ISO 23783-2:2023

Automated liquid handling systems - Part 2: Measurement procedures for the determination of volumetric performance (ISO 23783-2:2022)

This document specifies procedures for the determination of volumetric performance of automated liquid handling systems (ALHS), including traceability and estimations of measurement uncertainty of measurement results. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE For terminology and general requirements of automated liquid handling systems, see ISO 23783-1. Determination, specification, and reporting of volumetric performance of automated liquid handling systems is described in ISO 23783-3.

Keel: en
Alusdokumendid: ISO 23783-2:2022; EN ISO 23783-2:2023

EVS-EN ISO 23783-3:2023

Automated liquid handling systems - Part 3: Determination, specification and reporting of volumetric performance (ISO 23783-3:2022)

This document provides guidance and establishes requirements for collecting and examining volumetric performance data of automated liquid handling systems (ALHS). It specifies how to index and track volumetric performance data and provides descriptive statistics for the evaluation of these data. This document also specifies reporting requirements of ALHS volumetric performance. This document is applicable to all ALHS with complete, installed liquid handling devices, including tips and other essential parts needed for delivering a specified volume, which perform liquid handling tasks without human intervention into labware. NOTE For terminology and general requirements of automated liquid handling systems, see ISO 23783-1. Measurement procedures for the determination of volumetric performance are given in ISO 23783-2.

Keel: en
Alusdokumendid: ISO 23783-3:2022; EN ISO 23783-3:2023

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 12156-1:2023

Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR) - Part 1: Test method (ISO 12156-1:2023)

This document specifies a test method using the high-frequency reciprocating rig (HFRR) with a digital camera, for assessing the lubricating property of petroleum-based middle distillate fuels, paraffinic diesel fuels, and biodiesel blends, with or without lubricity enhancing additives, and with HFRR wear scar diameters (WSDs) of 350 µm to 700 µm. This test method applies to fuels used in diesel engines. NOTE It is not known if this test method can predict the performance of all additive/fuel combinations.

Keel: en
Alusdokumendid: ISO 12156-1:2023; EN ISO 12156-1:2023
Asendab dokumenti: EVS-EN ISO 12156-1:2018

EVS-EN ISO 13703-3:2023

Oil and gas industries including lower carbon energy - Piping systems on offshore production platforms and onshore plants - Part 3: Fabrication (ISO 13703-3:2023)

This document defines requirements for the fabrication, welding, examination and testing of new, metallic piping systems up to 69 000 kPa (ga) maximum, within temperature range limits for the materials meeting the requirements of ASME B31.3, on fixed and floating offshore production facilities and onshore production, processing and liquefaction plants. This document is applicable to all pressure retaining components and any non-pressure retaining component, such as a pipe support, welded directly to a pressure retaining component. This document is not applicable to: - marine-related piping systems, e.g. ballasting piping systems, systems covered by classification societies; - non-metallic piping systems.

Keel: en
Alusdokumendid: ISO 13703-3:2023; EN ISO 13703-3:2023

EVS-EN ISO 15551:2023

Petroleum and natural gas industries - Drilling and production equipment - Electric submersible pump systems for artificial lift (ISO 15551:2023)

This document specifies requirements for the design, design verification and validation, manufacturing and data control, performance ratings, functional evaluations, handling and storage of tubing-deployed electrical submersible pump (ESP) systems. Additionally, this document provides requirements for assembled ESP system. This document is applicable to those ESP related components meeting the definition of centrifugal pumps, including gas handling devices, discharge heads, seal chamber sections, intake systems, mechanical gas separators, asynchronous 3 phase - 2 pole induction motors (herein motor), shaft couplings, downhole power cables (herein power cables), motor lead extension, and pothead. Components supplied under the requirements of this document exclude previously used subcomponents, except where the use of such subcomponents is as defined in this document (Clause 9). This document addresses design validation performance rating requirements by component (see Annex A), requirements for determining ratings as an assembled system (see Annex B), functional evaluation: single component (see Annex C) and cable reference information (see Annex D). This document addresses functional evaluation guidelines for assembled ESP systems, establishing recommended operating range (ROR) of the ESP system (see Annex F), example user/purchaser ESP functional specification form (see Annex G), considerations for the use of 3-phase low and medium voltage adjustable speed drives for ESP applications (see Annex H), analysis after ESP use (see Annex I), downhole monitoring of ESP assembly operation (see Annex J), information on permanent magnet motors for ESP applications (see Annex K) and users guide (see Annex L). This document also includes a user guide that offers a high-level process workflow when applying this document. This document does not apply to: wireline and coiled tubing-deployed ESP systems, motor shrouds and pump shrouds, electric penetrators and feed-through systems, cable clamps and banding, centralizers, intake screens, passive gas separators, by-pass tools, check and bleeder valves, component adaptors, capillary lines, electric surface control equipment, downhole permanent magnet motors and non-conventionally configured ESP systems such as inverted systems. This document does not apply to Repair and redress equipment requirements.

Keel: en
Alusdokumendid: ISO 15551:2023; EN ISO 15551:2023
Asendab dokumenti: EVS-EN ISO 15551-1:2015

EVS-EN ISO 19901-8:2023

Oil and gas industries including lower carbon energy - Offshore structures - Part 8: Marine soil investigations (ISO 19901-8:2023)

This document specifies requirements and provides recommendations and guidelines for marine soil investigations regarding: a) objectives, planning and execution of marine soil investigations; b) deployment of investigation equipment; c) drilling and logging; d) in situ testing; e) sampling; f) laboratory testing; g) reporting. Although this document focuses on investigations of soil, it also provides guidance, with less detail, for investigations of chalk, calcareous soils, cemented soils and weak rock. Foundation design is not covered by this document. NOTE 1 ISO 19901-4 and the respective design standards covering foundation design for the specific types of offshore structures to meet the requirements of application specific standards are given on the ISO website. The results from marine geophysical investigations are, when available and where appropriate, used for planning, optimization and interpretation of marine soil investigations. This document neither covers the planning, execution and interpretation of marine geophysical investigations nor the planning and scope of geohazard assessment studies, only the corresponding marine soil investigations aspects thereof. NOTE 2 ISO 19901-10 covers the planning, execution and interpretation of marine geophysical investigations. This document specifies requirements and provides guidance for obtaining measured values and derived values. This document excludes requirements for determination of design values and representative values. Limited guidance is provided in 11.3 related to data interpretation. This document is intended for clients, soil investigation contractors, designers, installation contractors, geotechnical laboratories and public and regulatory authorities concerned with marine soil investigations for any type of offshore structures, or geohazard assessment studies.

Keel: en
Alusdokumendid: ISO 19901-8:2023; EN ISO 19901-8:2023
Asendab dokumenti: EVS-EN ISO 19901-8:2015

77 METALLURGIA

EVS-EN ISO 3887:2023

Steels - Determination of the depth of decarburization (ISO 3887:2023)

This document defines the decarburization and specifies three methods of measuring the depth of decarburization of steel products.

Keel: en

Alusdokumendid: ISO 3887:2023; EN ISO 3887:2023
Asendab dokumenti: EVS-EN ISO 3887:2018

EVS-EN ISO 5754:2023

Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO 5754:2023)

This document specifies the dimensions of an unnotched impact test piece of sintered metal materials. The test piece may be obtained directly by pressing and sintering or by machining a sintered part. This document applies to all sintered metals and alloys, with the exception of hardmetals. However, for certain materials (for example, materials with low porosity or materials with high ductility), it may be more appropriate to use a notched test piece which, in this case, will give results with less scatter. (In this case, refer to ISO 148-1.) NOTE For porous sintered materials, the results obtained from impact tests on unnotched specimens according to this standard are not fully comparable with results obtained from tests on solid metals tested on notched specimens.

Keel: en
Alusdokumendid: EN ISO 5754:2023; ISO 5754:2023
Asendab dokumenti: EVS-EN ISO 5754:2017

EVS-EN ISO 6306:2023

Chemical analysis of steel - Order of listing elements in steel standards (ISO 6306:2020)

This document specifies an order for listing elements within the chemical composition of steels and most other iron-based alloys, excluding foundry irons.

Keel: en
Alusdokumendid: ISO 6306:2020; EN ISO 6306:2023

EVS-EN ISO 683-17:2023

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO 683-17:2023)

This document specifies the technical delivery requirements for five groups of wrought ball and roller bearing steels as listed in Table 3, namely — through-hardening bearing steels (steels with about 1 % C and 1 % to 2 % Cr), — case-hardening bearing steels, — induction-hardening bearing steels (unalloyed and alloyed), — stainless bearing steels, and — high-temperature bearing steels. This document is applicable to the products and heat-treatment conditions given in Table 1 and the surface conditions given in Table 2.

Keel: en
Alusdokumendid: ISO 683-17:2023; EN ISO 683-17:2023
Asendab dokumenti: EVS-EN ISO 683-17:2014

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 24187:2023

Principles for the analysis of microplastics present in the environment (ISO 24187:2023)

This document describes the principles to be followed in the analysis of microplastics in various environmental matrices. This includes the unique particle size classification of plastics, the use of certain apparatus with regard to sampling, sample preparation, and the determination of representative sample quantities. The purpose of this document is to specify minimum requirements until specific standards for the different case situations are available. This is important to ensure that the development of the specific standards is done on a consistent basis to ensure that comparison or correlation of results is possible. This document does not include requirements for monitoring actions.

Keel: en
Alusdokumendid: ISO 24187:2023; EN ISO 24187:2023

EVS-EN ISO 3671:2023

Plastics - Aminoplastic moulding materials - Determination of volatile matter (ISO 3671:2023)

This document specifies a method for the determination of volatile matter (predominantly water) in aminoplastic moulding materials, by drying in an oven.

Keel: en
Alusdokumendid: ISO 3671:2023; EN ISO 3671:2023
Asendab dokumenti: EVS-EN ISO 3671:2001

EVS-EN ISO 60:2023

Plastics - Determination of apparent density of material that can be poured from a specified funnel (ISO 60:2023)

This document specifies a method of determining the apparent density, i.e. the mass per unit of volume, of loose material (powder or granular material) that can be poured from a funnel of specified design. NOTE For a method of determining the apparent density of loose moulding material that cannot be poured from a specified funnel, see ISO 61.

Keel: en
Alusdokumendid: ISO 60:2023; EN ISO 60:2023
Asendab dokumenti: EVS-EN ISO 60:2000

EVS-EN ISO 61:2023

Plastics - Determination of apparent density of moulding material that cannot be poured from a specified funnel (ISO 61:2023)

This document specifies a method of determining the apparent density, i.e. the mass per unit of volume, of loose material that cannot be poured from a funnel of specified design. NOTE For a method of determining the apparent density of loose moulding material that can be poured from a specified funnel, see ISO 60. This document is applicable to loose moulding materials such as slice, granular or powder.

Keel: en
Alusdokumendid: ISO 61:2023; EN ISO 61:2023
Asendab dokumenti: EVS-EN ISO 61:2000

91 EHITUSMATERJALID JA EHITUS

EVS 840:2023

Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings

Selles Eesti standardis antakse projekteerijatele ja ehitajatele juhised radooniohutu hoone ehitamiseks, et vältida kopsuvähki haigestumise riski suurendava radooni asjakohases õigusaktis toodud taseme ületamist ruumides, kus inimesed pikemat aega viibivad. Standardis on esitatud valik radooniohu vähendamise meetmeid. Tuleb arvestada, et see loetelu ja lahendused pole lõplikud ning lisaks võib radooniohutuse tagada ka muude lahendustega, mille toimivust on uuritud ja dokumenteeritult tõestatud. Arvestades objekti eripärasid ning kasutusele võetavate ruumide eesmärki, tuleb projekteerimisel ja ehitamisel läheneda juhtumipõhiselt.

Keel: et
Asendab dokumenti: EVS 840:2017

EVS-EN ISO 11855-1:2021/A1:2023

Building environment design - Embedded radiant heating and cooling systems - Part 1: Definitions, symbols, and comfort criteria - Amendment 1 (ISO 11855-1:2021/Amd 1:2023)

Amendment to EN ISO 11855-1:2021

Keel: en
Alusdokumendid: ISO 11855-1:2021/Amd 1:2023; EN ISO 11855-1:2021/A1:2023
Muudab dokumenti: EVS-EN ISO 11855-1:2021

EVS-EN ISO 52016-3:2023

Energy performance of buildings - Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads - Part 3: Calculation procedures regarding adaptive building envelope elements (ISO 52016-3:2023)

Procedures enabling to take into account the effect of adaptive building envelope elements in the calculation of the energy needs for heating, cooling, internal temperatures and sensible and latent heat loads for buildings. ISO 52016-1:2017 contains a normative Annex G that provides already a framework for such calculation procedures. The aim of this new proposed standard is to work out calculation procedures instead of only a framework for the calculation. Adaptive building envelope elements are (usually: transparent) elements in the building envelope with thermal and/or solar and/or visual properties that vary in time, either passively or due to an active control. The aim of adaptive building envelope elements is to improve the energy performance and/or comfort in the building under varying outdoor conditions (weather, season), indoor conditions (e.g. internal heat gains) and user needs. Examples of adaptive building envelopes are products or assemblies with one or more of the following features: • movable blinds, • controllable vents, • switchable glazing, • movable thermally insulating shutters, • PV integrated glazing (leading to variable total (thermal) solar energy transmittance), • double skin facades. The input data for the calculation are the thermal, solar and visual properties of the building element for the different states (e.g. from open to closed, from dark to light and combinations of these); and in case of gradually varying properties: for a number of representative discrete states. In order to be able to use these properties for energy and internal temperature calculations, the details of the (passive or active) control protocol are needed as input as well. The thermal, solar and visual properties of the building element are the thermal transmittance (Uvalue), air permeability (L-value) and solar transmittance (g-value). Or, where needed, the properties per component: e.g. thermal resistances and air permeability per component, solar absorptance and solar and visual transmittance per component. It is assumed that the existing standards on glazing (ISO/TC 160/SC 2, CEN/TC 129) and on building elements (especially the EPB standards recently revised under ISO/TC 163/SC 2 and CEN/TC 89) enable to obtain these input data in most cases. No ready-to-use international standards exist for the assumptions on the control protocol. EN 15232-1 (and ISO 52120-1 in preparation) provides some guidance. The output of this standard should also be usable to compare products and assemblies. Due to the interactive nature of adaptive building envelope elements, this may require the use of specific reference buildings and occupant patterns (similar as for current international standards on energy performance rating of glazings and windows).

Keel: en
Alusdokumendid: ISO 52016-3:2023; EN ISO 52016-3:2023

93 RAJATISED

CEN/TR 1317-10:2023

Road restraint systems - Part 10: Assessment methods and design guidelines for transitions, terminal and crash cushion connection - transitions

This Technical Report defines assessment methods for transitions, considered as the linkage between safety barriers or between safety barriers and removable barrier sections defined by CEN/TS RBS. This Technical Report also defines assessment methods for connection-transitions to terminals and crash cushions. Road Authorities and regulatory authorities are free to determine assessment methods, values, measurements etc. and to fix the details of the requirements. Assessment methods and design rules can also be utilised in connection to evaluation of changed versions.

Keel: en
Alusdokumendid: CEN/TR 1317-10:2023
Asendab dokumenti: EVS-ENV 1317-4:2010

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 17994:2023

One post equipment - Inspection guidance

The purpose of this document is to supplement the information on ‘One Post Equipment’ contained in EN 1176 1 and to share good practice for the implementation of the requirements in that standard.

Keel: en
Alusdokumendid: CEN/TR 17994:2023

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 17343:2020
Railway applications - General terms and definitions

Keel: en
Alusdokumendid: EN 17343:2020
Asendatud järgmise dokumendiga: EVS-EN 17343:2023
Standardi staatus: Kehtetu

EVS-EN 61286:2003
Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange

Keel: en
Alusdokumendid: IEC 61286:2001; EN 61286:2002
Standardi staatus: Kehtetu

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

CEN/TR 17223:2018
Guidance on the relationship between EN ISO 13485: 2016 (Medical devices - Quality management systems - Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

Keel: en
Alusdokumendid: CEN/TR 17223:2018
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

CEN/TR 17223:2018
Guidance on the relationship between EN ISO 13485: 2016 (Medical devices - Quality management systems - Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

Keel: en
Alusdokumendid: CEN/TR 17223:2018
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TS 15674:2007
Air quality - Measurement of stationary source emissions - Guidelines for the elaboration of standardised methods

Keel: en
Alusdokumendid: CEN/TS 15674:2007
Standardi staatus: Kehtetu

EVS 840:2017
**Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings**

Keel: et
Asendatud järgmise dokumendiga: EVS 840:2023
Standardi staatus: Kehtetu

EVS-EN 1300:2018
Secure storage units - Classification for high security locks according to their resistance to unauthorized opening

Keel: en
Alusdokumendid: EN 1300:2018

Asendatud järgmise dokumendiga: EVS-EN 1300:2023
Standardi staatus: Kehtetu

EVS-EN 45544-4:2016

Workplace atmospheres - Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours - Part 4: Guide for selection, installation, use and maintenance

Keel: en
Alusdokumendid: EN 45544-4:2016
Standardi staatus: Kehtetu

EVS-ENV 1317-4:2010

Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers

Keel: en
Alusdokumendid: ENV 1317-4:2001
Asendatud järgmise dokumendiga: CEN/TR 1317-10:2023
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 61340-3-1:2007

Electrostatics -- Part 3-1: Methods for simulation of electrostatic effects - Human body model (HBM) electrostatic discharge test waveforms

Keel: en
Alusdokumendid: IEC 61340-3-1:2006; EN 61340-3-1:2007
Standardi staatus: Kehtetu

EVS-EN 61340-3-2:2007

Electrostatics -- Part 3-2: Methods for simulation of electrostatic effects - Machine model (MM) electrostatic discharge test waveforms

Keel: en
Alusdokumendid: IEC 61340-3-2:2006; EN 61340-3-2:2007
Standardi staatus: Kehtetu

EVS-EN 61966-12-1:2011

Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID)

Keel: en
Alusdokumendid: IEC 61966-12-1:2011; EN 61966-12-1:2011
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 5210:2017

Industrial valves - Multi-turn valve actuator attachments (ISO 5210:2017)

Keel: en
Alusdokumendid: ISO 5210:2017; EN ISO 5210:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 5210:2023
Muudetud järgmise dokumendiga: EN ISO 5210:2017/prA1
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 15085-1:2007+A1:2013

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 1: Üldine Railway applications - Welding of railway vehicles and components - Part 1: General

Keel: en, et
Alusdokumendid: EN 15085-1:2007+A1:2013
Asendatud järgmise dokumendiga: EVS-EN 15085-1:2023
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 61194:2006
Characteristic parameters of stand-alone photovoltaic (PV) systems

Keel: en
Alusdokumendid: IEC 61194:1992; EN 61194:1995
Standardi staatus: Kehtetu

EVS-EN 61702:2002
Rating of direct coupled photovoltaic (PV) pumping systems

Keel: en
Alusdokumendid: IEC 61702:1995; EN 61702:1999
Standardi staatus: Kehtetu

EVS-EN 61725:2002
Analytical expression for daily solar profiles

Keel: en
Alusdokumendid: IEC 61725:1997; EN 61725:1997
Standardi staatus: Kehtetu

EVS-EN 62270:2004
Hydroelectric power plant automation - Guide for computer-based control

Keel: en
Alusdokumendid: IEC 62270:2004; EN 62270:2004
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50110-1:2013
Elektripaigaldiste käit. Osa 1: Üldnõuded
Operation of electrical installations -- Part 1: General requirements

Keel: en, et
Alusdokumendid: EN 50110-1:2013
Asendatud järgmise dokumendiga: EVS-EN 50110-1:2023
Standardi staatus: Kehtetu

EVS-EN 50341-2-7:2016
Overhead electrical lines exceeding AC 1 kV - Part -2-7: National Normative Aspects (NNA) for FINLAND (based on EN 50341-1:2012)

Keel: en
Alusdokumendid: EN 50341-2-7:2015
Asendatud järgmise dokumendiga: EVS-EN 50341-2-7:2023
Standardi staatus: Kehtetu

EVS-EN 60076-16:2011
Power transformers - Part 16: Transformers for wind turbines application

Keel: en
Alusdokumendid: IEC 60076-16:2011; EN 60076-16:2011
Standardi staatus: Kehtetu

EVS-EN 60674-3-3:2006
Specification for plastic films for electrical purposes -- Part 3: Specifications for individual materials -- Sheet 3: Requirements for polycarbonate (PC) films used for electrical insulation

Keel: en
Alusdokumendid: IEC 60674-3-3:1992; EN 60674-3-3:1998
Asendatud järgmise dokumendiga: EVS-EN IEC 60674-3-3:2023
Standardi staatus: Kehtetu

EVS-EN 60674-3-7:2006
Specification for plastic films for electrical purposes -- Part 3: Specifications for individual materials -- Sheet 7: Requirements for fluoroethylene-propylene (FEP) films used for electrical insulation

Keel: en
Alusdokumendid: IEC 60674-3-7:1992; EN 60674-3-7:1998
Asendatud järgmise dokumendiga: EVS-EN IEC 60674-3-7:2023
Standardi staatus: Kehtetu

EVS-EN 60851-3:2009
Winding wires - Test methods -- Part 3: Mechanical properties

Keel: en
Alusdokumendid: IEC 60851-3:2009; EN 60851-3:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60851-3:2023
Muudetud järgmise dokumendiga: EVS-EN 60851-3:2009/A1:2013
Muudetud järgmise dokumendiga: EVS-EN 60851-3:2009/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60851-3:2009/A1:2013
Winding wires - Test methods -- Part 3: Mechanical properties

Keel: en
Alusdokumendid: IEC 60851-3:2009/A1:2013; EN 60851-3:2009/A1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60851-3:2023
Standardi staatus: Kehtetu

EVS-EN 60851-3:2009/A2:2019
Winding wires - Test methods - Part 3: Mechanical properties

Keel: en
Alusdokumendid: IEC 60851-3:2009/A2:2019; EN 60851-3:2009/A2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60851-3:2023
Standardi staatus: Kehtetu

EVS-EN 61044:2002
Opportunity-charging of lead-acid traction batteries

Keel: en
Alusdokumendid: IEC 61044:1990; EN 61044:1992
Standardi staatus: Kehtetu

EVS-EN 61286:2003
Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange

Keel: en
Alusdokumendid: IEC 61286:2001; EN 61286:2002
Standardi staatus: Kehtetu

EVS-EN 61340-3-1:2007
Electrostatics -- Part 3-1: Methods for simulation of electrostatic effects - Human body model (HBM) electrostatic discharge test waveforms

Keel: en
Alusdokumendid: IEC 61340-3-1:2006; EN 61340-3-1:2007
Standardi staatus: Kehtetu

EVS-EN 61340-3-2:2007
Electrostatics -- Part 3-2: Methods for simulation of electrostatic effects - Machine model (MM) electrostatic discharge test waveforms

Keel: en
Alusdokumendid: IEC 61340-3-2:2006; EN 61340-3-2:2007
Standardi staatus: Kehtetu

EVS-EN 61378-2:2002
Convertor transformers - Part 2: Transformers for HVDC applications

Keel: en
Alusdokumendid: IEC 61378-2:2001; EN 61378-2:2001
Standardi staatus: Kehtetu

EVS-EN 61439-5:2015

Madalpingelised aparaadikoosted. Osa 5: Avalike elektrivõrkude elektrijaotuskoosted
Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks

Keel: en, et
Alusdokumendid: IEC 61439-5:2014; EN 61439-5:2015; EN 61439-5:2015/AC:2015; IEC 61439-5/Cor 1:2015; EVS-EN 61439-5:2015/AC:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61439-5:2023
Parandatud järgmise dokumendiga: EVS-EN 61439-5:2015/AC:2017
Standardi staatus: Kehtetu

EVS-EN 61439-5:2015/AC:2017

Madalpingelised aparaadikoosted. Osa 5: Avalike elektrivõrkude elektrijaotuskoosted
Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2014)

Keel: et
Asendatud järgmise dokumendiga: EVS-EN IEC 61439-5:2023
Standardi staatus: Kehtetu

EVS-EN 62208:2012

Madalpingeliste aparaadikoostete tühjad ümbrised. Üldnõuded
Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements

Keel: en, et
Alusdokumendid: IEC 62208:2011; EN 62208:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62208:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61439-7:2020

Madalpingelised aparaadikoosted. Osa 7: Eriotstarbelised koosted näiteks sadamate, kämpingute, laadaplatside või elektrisõidukite laadimisjaamade jaoks
Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations (IEC 61439-7:2018 + COR1:2019)

Keel: en, et
Alusdokumendid: IEC 61439-7:2018; IEC 61439-7:2018/COR1:2019; EN IEC 61439-7:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 61439-7:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62613-1:2018

Pistikud, pistikupesad ja laevade pistikühendused kaldaühenduse kõrgepingesüsteemidele. Osa 1: Üldnõuded
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-Systems) - Part 1: General requirements

Keel: en
Alusdokumendid: IEC 62613-1:2011; EN IEC 62613-1:2018
Standardi staatus: Kehtetu

31 ELEKTROONIKA

CLC/TR 62258-3:2007

Semiconductor die products -- Part 3: Recommendations for good practice in handling, packing and storage

Keel: en
Alusdokumendid: IEC/TR 62258-3:2005; CLC/TR 62258-3:2007
Standardi staatus: Kehtetu

EVS-EN 60444-3:2008

Measurement of quartz crystal unit parameters by zero phase technique in a pi-network -- Part 3: Basic method for the measurement of two-terminal parameters of quartz crystal units up to 200 MHz by phase technique in a pi-network with compensation of the parallel capacitance C0

Keel: en
Alusdokumendid: IEC 60444-3:1986; EN 60444-3:1997

Standardi staatus: Kehtetu

EVS-EN 60747-5-2:2002
Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices - Essential ratings and characteristics

Keel: en
Alusdokumendid: IEC 60747-5-2:1997; EN 60747-5-2:2001
Muudetud järgmise dokumendiga: EVS-EN 60747-5-2:2002/A1:2003
Standardi staatus: Kehtetu

EVS-EN 60747-5-2:2002/A1:2003
Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices - Essential ratings and characteristics

Keel: en
Alusdokumendid: IEC 60747-5-2:1997/A1:2002; EN 60747-5-2:2001/A1:2002
Standardi staatus: Kehtetu

EVS-EN 60747-5-3:2002
Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices - Measuring methods

Keel: en
Alusdokumendid: IEC 60747-5-3:1997; EN 60747-5-3:2001
Muudetud järgmise dokumendiga: EVS-EN 60747-5-3:2002/A1:2003
Standardi staatus: Kehtetu

EVS-EN 60747-5-3:2002/A1:2003
Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices - Measuring methods

Keel: en
Alusdokumendid: IEC 60747-5-3:1997/A1:2002; EN 60747-5-3:2001/A1:2002
Standardi staatus: Kehtetu

EVS-EN 60933-4:2002
Audio, video and audiovisual systems - Interconnections and matching values - Part 4: Connector and cordset for domestic digital bus (D2B)

Keel: en
Alusdokumendid: IEC 60933-4:1994; EN 60933-4:1994
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 60107-8:2002
Recommended methods of measurement on receivers for television broadcast transmissions - Part 8: Measurement on D2-MAC/packet equipment

Keel: en
Alusdokumendid: IEC 60107-8:1997; EN 60107-8:1997
Standardi staatus: Kehtetu

EVS-EN 60169-24:2002
Radio-frequency connectors - Part 24: Radio-frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (Type F)

Keel: en
Alusdokumendid: IEC 60169-24:1991; EN 60169-24:1993
Standardi staatus: Kehtetu

EVS-EN 60315-7:2005
Methods of measurement on radio receivers for various classes of emission -- Part 7: Methods of measurement on digital satellite radio (DSR) receivers

Keel: en
Alusdokumendid: IEC 60315-7:1995; EN 60315-7:1995
Standardi staatus: Kehtetu

EVS-EN 60874-1:2012
Fibre optic interconnecting devices and passive components - Connectors for optical fibres and cables - Part 1: Generic specification

Keel: en
Alusdokumendid: IEC 60874-1:2011; EN 60874-1:2012
Standardi staatus: Kehtetu

EVS-EN 60874-1-1:2012
Fibre optic interconnecting devices and passive components - Connectors for optical fibres and cables - Part 1-1: Blank detail specification

Keel: en
Alusdokumendid: IEC 60874-1-1:2011; EN 60874-1-1:2012
Standardi staatus: Kehtetu

EVS-EN 60875-1-1:2002
Fibre optic branching devices - Part 1-1: Blank detail specification

Keel: en
Alusdokumendid: IEC 60875-1-1:1996; EN 60875-1-1:1998
Standardi staatus: Kehtetu

EVS-EN 60933-4:2002
Audio, video and audiovisual systems - Interconnections and matching values - Part 4: Connector and cordset for domestic digital bus (D2B)

Keel: en
Alusdokumendid: IEC 60933-4:1994; EN 60933-4:1994
Standardi staatus: Kehtetu

EVS-EN 61122:2002
Still video floppy disk magnetic recording system

Keel: en
Alusdokumendid: IEC 61122:1992; EN 61122:1993
Standardi staatus: Kehtetu

EVS-EN 61196-4:2004
Coaxial communication cables - Part 4: Sectional specification for radiating cables

Keel: en
Alusdokumendid: IEC 61196-4:2004; EN 61196-4:2004
Standardi staatus: Kehtetu

EVS-EN 61269-1-1:2003
Fibre optic terminus sets - Part 1-1: Blank detail specification

Keel: en
Alusdokumendid: IEC 1269-1-1:1994; EN 61269-1-1:1997
Standardi staatus: Kehtetu

EVS-EN 61274-1:2012
Fibre optic interconnecting devices and passive components - Adaptors for fibre optic connectors - Part 1: Generic specification

Keel: en
Alusdokumendid: IEC 61274-1:2011; EN 61274-1:2012
Standardi staatus: Kehtetu

EVS-EN 61274-1-1:2012
Fibre optic interconnecting devices and passive components - Adaptors for fibre optic connectors - Part 1-1: Blank detail specification

Keel: en
Alusdokumendid: IEC 61274-1-1:2011; EN 61274-1-1:2012
Standardi staatus: Kehtetu

EVS-EN 61300-2-13:2002
Fibre optic interconnection devices and passive components - Basic test and measurement procedures. Part 2-13: Tests - Acceleration

Keel: en
Alusdokumendid: IEC 61300-2-13:1995; EN 61300-2-13:1997
Standardi staatus: Kehtetu

EVS-EN 61300-2-32:2002

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-32: Tests - Water vapour permeation

Keel: en
Alusdokumendid: IEC 61300-2-32:1995; EN 61300-2-32:1997
Standardi staatus: Kehtetu

EVS-EN 61300-2-36:2002

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-36: Tests - Flammability (fire hazard)

Keel: en
Alusdokumendid: IEC 61300-2-36:1995; EN 61300-2-36:1997
Standardi staatus: Kehtetu

EVS-EN 61300-2-8:2002

Fibre optic interconnection devices and passive components - Basic test and measurement procedures - Part 2-8: Tests - Bump

Keel: en
Alusdokumendid: IEC 61300-2-8:1995; EN 61300-2-8:1997
Standardi staatus: Kehtetu

EVS-EN 61300-3-10:2007

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures -- Part 3-10: Examinations and measurements - Gauge retention force

Keel: en
Alusdokumendid: IEC 61300-3-10:2006; EN 61300-3-10:2007
Standardi staatus: Kehtetu

EVS-EN 61300-3-13:2002

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-13: Examinations and measurements - Control stability of a fibre optic switch

Keel: en
Alusdokumendid: IEC 61300-3-13:1995; EN 61300-3-13:1997
Standardi staatus: Kehtetu

EVS-EN 61300-3-15:2007

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-15: Examinations and measurements - Eccentricity of a convex polished ferrule endface

Keel: en
Alusdokumendid: IEC 61300-3-15:2006; EN 61300-3-15:2007
Standardi staatus: Kehtetu

EVS-EN 61300-3-16:2003

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-16: Examinations and measurements - Endface radius of spherically polished ferrules

Keel: en
Alusdokumendid: IEC 61300-3-16:2003; EN 61300-3-16:2003
Standardi staatus: Kehtetu

EVS-EN 61300-3-17:2002

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-17: Examinations and measurements - Endface angle of angle-polished ferrules

Keel: en
Alusdokumendid: IEC 61300-3-17:1999; EN 61300-3-17:1999
Standardi staatus: Kehtetu

EVS-EN 61300-3-18:2006
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 3-18: Examinations and measurements - Keying accuracy of an angled endface connector

Keel: en
Alusdokumendid: IEC 61300-3-18:2006; EN 61300-3-18:2006
Standardi staatus: Kehtetu

EVS-EN 61300-3-23:2002
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-23: Examination and measurements - Fibre position relative to ferrule endface

Keel: en
Alusdokumendid: IEC 61300-3-23:1998; EN 61300-3-23:1998
Standardi staatus: Kehtetu

EVS-EN 61300-3-8:2002
Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-8: Examinations and measurements - Ambient light susceptibility

Keel: en
Alusdokumendid: IEC 61300-3-8:1995; EN 61300-3-8:1997
Standardi staatus: Kehtetu

EVS-EN 61313-1:2003
Fibre optic passive components and cable assemblies - Part 1: Capability approval - Generic specification

Keel: en
Alusdokumendid: IEC 61313-1:1995; EN 61313-1:1997
Standardi staatus: Kehtetu

EVS-EN 61314-1:2012
Fibre optic interconnecting devices and passive components - Fibre optic fan-outs - Part 1: Generic specification

Keel: en
Alusdokumendid: IEC 61314-1:2011; EN 61314-1:2012
Standardi staatus: Kehtetu

EVS-EN 61314-1-1:2012
Fibre optic interconnecting devices and passive components - Fibre optic fan-outs - Part 1-1: Blank detail specification

Keel: en
Alusdokumendid: IEC 61314-1-1:2011; EN 61314-1-1:2012
Standardi staatus: Kehtetu

EVS-EN 61753-053-3:2004
Fibre optic interconnecting devices and passive components performance standard - Part 053-3: Continuously variable attenuators for category U - Uncontrolled environment

Keel: en
Alusdokumendid: IEC 61753-053-3:2004; EN 61753-053-3:2004
Standardi staatus: Kehtetu

EVS-EN 61753-061-3:2004
Fibre optic interconnecting devices and passive components performance standard - Part 061-3: Single mode fibre optic pigtailed style isolators for category U - Uncontrolled environment

Keel: en
Alusdokumendid: IEC 61753-061-3:2004; EN 61753-061-3:2004
Standardi staatus: Kehtetu

EVS-EN 61753-062-6:2008
Fibre optic interconnecting devices and passive components performance standard -- Part 062-6: Non-connectorized single-mode fibre optic pigtailed isolators for category O - Uncontrolled environment and sequential test

Keel: en
Alusdokumendid: IEC 61753-062-6:2007; EN 61753-062-6:2008
Standardi staatus: Kehtetu

EVS-EN 61753-091-3:2004

Fibre optic interconnecting devices and passive components performance standard - Part 091-3: Single mode fibre optic pigtailed style circulators for category U - Uncontrolled environment

Keel: en
Alusdokumendid: IEC 61753-091-3:2004; EN 61753-091-3:2004
Standardi staatus: Kehtetu

EVS-EN 61753-2-1:2002

Fibre optic interconnecting devices and passive components performance standard - Part 2-1: Fibre optic connectors terminated on single-mode fibre for category U; Uncontrolled environment

Keel: en
Alusdokumendid: IEC 61753-2-1:2000; EN 61753-2-1:2000
Standardi staatus: Kehtetu

EVS-EN 61754-10:2006

Fibre optic connector interfaces Part 10: Type Mini-MPO connector family

Keel: en
Alusdokumendid: IEC 61754-10:2005; EN 61754-10:2005
Standardi staatus: Kehtetu

EVS-EN 61758-1:2008

Fibre optic interconnecting devices and passive components - Interface standard for closures -- Part 1: General and guidance

Keel: en
Alusdokumendid: IEC 61758-1:2008; EN 61758-1:2008
Standardi staatus: Kehtetu

EVS-EN 61937-1:2007

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General

Keel: en
Alusdokumendid: IEC 61937-1:2007; EN 61937-1:2007
Muudetud järgmise dokumendiga: EVS-EN 61937-1:2007/A1:2011
Standardi staatus: Kehtetu

EVS-EN 61937-1:2007/A1:2011

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 1: General

Keel: en
Alusdokumendid: IEC 61937-1:2007/A1:2011; EN 61937-1:2007/A1:2011
Standardi staatus: Kehtetu

EVS-EN 61937-10:2011

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 10: Non-linear PCM bitstreams according to the MPEG-4 Audio Lossless Coding (ALS) format

Keel: en
Alusdokumendid: IEC 61937-10:2011; EN 61937-10:2011
Standardi staatus: Kehtetu

EVS-EN 61937-11:2010

Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 11: MPEG-4 AAC and its extensions in LATM/LOAS

Keel: en
Alusdokumendid: IEC 61937-11:2010; EN 61937-11:2010
Standardi staatus: Kehtetu

EVS-EN 61966-12-1:2011
Multimedia systems and equipment - Colour measurement and management - Part 12-1: Metadata for identification of colour gamut (Gamut ID)

Keel: en
Alusdokumendid: IEC 61966-12-1:2011; EN 61966-12-1:2011
Standardi staatus: Kehtetu

EVS-EN 62261-1:2007
Television METADATA -- Part 1: Metadata dictionary structure

Keel: en
Alusdokumendid: IEC 62261-1:2005; EN 62261-1:2006
Standardi staatus: Kehtetu

EVS-EN 62261-2:2007
Television METADATA -- Part 2: Data encoding protocol using key-length-value

Keel: en
Alusdokumendid: IEC 62261-2:2005; EN 62261-2:2006
Standardi staatus: Kehtetu

EVS-EN 62481-3:2014
Digital living network alliance (DLNA) home networked device interoperability guidelines -- Part 3: Link protection

Keel: en
Alusdokumendid: IEC 62481-3:2013; EN 62481-3:2014
Standardi staatus: Kehtetu

EVS-EN 62574:2011
Audio, video and multimedia systems - General channel assignment of multichannel audio

Keel: en
Alusdokumendid: IEC 62574:2011; EN 62574:2011
Standardi staatus: Kehtetu

EVS-EN 62605:2016
Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for e-dictionaries

Keel: en
Alusdokumendid: IEC 62605:2016; EN 62605:2016
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN 61286:2003
Information technology - Coded graphic character set for use in the preparation of documents used in electrotechnology and for information interchange

Keel: en
Alusdokumendid: IEC 61286:2001; EN 61286:2002
Standardi staatus: Kehtetu

EVS-EN 61937-10:2011
Digital audio - Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 - Part 10: Non-linear PCM bitstreams according to the MPEG-4 Audio Lossless Coding (ALS) format

Keel: en
Alusdokumendid: IEC 61937-10:2011; EN 61937-10:2011
Standardi staatus: Kehtetu

EVS-EN 62261-1:2007
Television METADATA -- Part 1: Metadata dictionary structure

Keel: en
Alusdokumendid: IEC 62261-1:2005; EN 62261-1:2006
Standardi staatus: Kehtetu

EVS-EN 62261-2:2007
Television METADATA -- Part 2: Data encoding protocol using key-length-value

Keel: en
Alusdokumendid: IEC 62261-2:2005; EN 62261-2:2006
Standardi staatus: Kehtetu

EVS-EN 62481-3:2014
Digital living network alliance (DLNA) home networked device interoperability guidelines -- Part 3: Link protection

Keel: en
Alusdokumendid: IEC 62481-3:2013; EN 62481-3:2014
Standardi staatus: Kehtetu

EVS-EN 62605:2016
Multimedia systems and equipment - Multimedia e-publishing and e-books - Interchange format for e-dictionaries

Keel: en
Alusdokumendid: IEC 62605:2016; EN 62605:2016
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 15085-1:2007+A1:2013
Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 1: Üldine
Railway applications - Welding of railway vehicles and components - Part 1: General

Keel: en, et
Alusdokumendid: EN 15085-1:2007+A1:2013
Asendatud järgmise dokumendiga: EVS-EN 15085-1:2023
Standardi staatus: Kehtetu

EVS-EN 17343:2020
Railway applications - General terms and definitions

Keel: en
Alusdokumendid: EN 17343:2020
Asendatud järgmise dokumendiga: EVS-EN 17343:2023
Standardi staatus: Kehtetu

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN 62287-1:2017
Maritime navigation and radiocommunication equipment and systems - Class B shipborne equipment of the automatic identification system (AIS) - Part 1: Carrier-sense time division multiple access (CSTDMA) techniques

Keel: en
Alusdokumendid: IEC 62287-1:2017; EN 62287-1:2017
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 16484:2015
Leather - Requirements for the determination of the origin of leather production

Keel: en
Alusdokumendid: EN 16484:2015
Asendatud järgmise dokumendiga: EVS-EN 16484:2023
Standardi staatus: Kehtetu

EVS-EN ISO 1833-4:2017
Tekstiilid. Kvantitatiivne keemiline analüüs. Osa 4: Teatavate valkkiudude segud teatavate teiste kiududega (hüpokloriti kasutamise meetod)
Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres with certain other fibres (method using hypochlorite) (ISO 1833-4:2017)

Keel: en

Alusdokumendid: ISO 1833-4:2017; EN ISO 1833-4:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 1833-4:2023
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 12156-1:2018

Diesel fuel - Assessment of lubricity using the high-frequency reciprocating rig (HFRR) - Part 1: Test method (ISO 12156-1:2018)

Keel: en
Alusdokumendid: ISO 12156-1:2018; EN ISO 12156-1:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 12156-1:2023
Standardi staatus: Kehtetu

EVS-EN ISO 15551-1:2015

Petroleum and natural gas industries - Drilling and production equipment - Part 1: Electric submersible pump systems for artificial lift (ISO 15551-1:2015)

Keel: en
Alusdokumendid: ISO 15551-1:2015; EN ISO 15551-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 15551:2023
Standardi staatus: Kehtetu

EVS-EN ISO 19901-8:2015

Petroleum and natural gas industries - Specific requirements for offshore structures - Part 8: Marine soil investigations (ISO 19901-8:2014)

Keel: en
Alusdokumendid: ISO 19901-8:2014; EN ISO 19901-8:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 19901-8:2023
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN ISO 3887:2018

Steels - Determination of the depth of decarburization (ISO 3887:2017)

Keel: en
Alusdokumendid: ISO 3887:2017; EN ISO 3887:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 3887:2023
Standardi staatus: Kehtetu

EVS-EN ISO 5754:2017

Sintered metal materials, excluding hardmetals - Unnotched impact test piece (ISO 5754:2017)

Keel: en
Alusdokumendid: ISO 5754:2017; EN ISO 5754:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 5754:2023
Standardi staatus: Kehtetu

EVS-EN ISO 683-17:2014

Heat-treated steels, alloy steels and free-cutting steels - Part 17: Ball and roller bearing steels (ISO 683-17:2014)

Keel: en
Alusdokumendid: EN ISO 683-17:2014; ISO 683-17:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 683-17:2023
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 3671:2001

Plastid - Vormitavad materjalid aminoplastist - Lendainete määramine
Plastics - Aminoplastic moulding materials - Determination of volatile matter

Keel: en
Alusdokumendid: ISO 3671:1976; EN ISO 3671:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 3671:2023
Standardi staatus: Kehtetu

EVS-EN ISO 60:2000
Plastics - Determination of apparent density of material that can be poured from a specified funnel (ISO 60:1977)

Keel: en
Alusdokumendid: ISO 60:1997; EN ISO 60:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 60:2023
Standardi staatus: Kehtetu

EVS-EN ISO 61:2000
Plastid. Näivtiheduse määramine vormitaval materjalil, mida pole võimalik valada läbi kindlaksmääratud lehtri
Plastics - Determination of apparent density of moulding material that cannot be poured from a specified funnel

Keel: en
Alusdokumendid: ISO 61:1976; EN ISO 61:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 61:2023
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS 840:2017
Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings

Keel: et
Asendatud järgmise dokumendiga: EVS 840:2023
Standardi staatus: Kehtetu

93 RAJATISED

EVS-EN 13146-8:2012
Raudteealased rakendused. Rööpad. Katsemeetodid kinnitussüsteemidele. Osa 8: Ekspluatatsioonikatsed
Railway applications - Track - Test methods for fastening systems - Part 8: In service testing

Keel: en
Alusdokumendid: EN 13146-8:2012
Standardi staatus: Kehtetu

EVS-ENV 1317-4:2010
Road restraint systems - Part 4: Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers

Keel: en
Alusdokumendid: ENV 1317-4:2001
Asendatud järgmise dokumendiga: CEN/TR 1317-10:2023
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CEN/TS 14472-1:2003
Resilient, textile and laminate floor coverings - Design, preparation and installation - Part 1: General

Keel: en
Alusdokumendid: CEN/TS 14472-1:2003
Standardi staatus: Kehtetu

CEN/TS 14472-3:2003
Resilient, textile and laminate floor coverings - Design, preparation and installation - Part 3: Laminate floor coverings

Keel: en
Alusdokumendid: CEN/TS 14472-3:2003
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 7499
Technical product documentation (TPD) - Unique integral feature identification (UIFI) (ISO/DIS 7499:2023)

This document defines how to uniquely identify the integral features of a part by an alpha-numerical label and how indication in technical product documentation (TPD) is done, where needed to improve human readability. The proportions and dimensions of the graphical symbols for simplified indication of repeated features are also specified.

Keel: en
Alusdokumendid: prEN ISO 7499; ISO/DIS 7499:2023

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 7533
Technical product documentation (TPD) - Naming the specifications in the Technical product specification (TPS) (ISO/DIS 7533:2023)

This document gives rules to name specifications in the Technical product specification (TPS). It may be applied, if needed, to facilitate communication.

Keel: en
Alusdokumendid: prEN ISO 7533; ISO/DIS 7533:2023

Arvamusküsitluse lõppkuupäev: 14.12.2023

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

prEN ISO 56001
Innovation management - Innovation management system - Requirements (ISO/DIS 56001:2023)

This International Standard specifies requirements for an innovation management system when an organization: a) needs to demonstrate its ability to provide innovative products and services that meet customer and applicable statutory and regulatory requirements, and b) aims to enhance processes for improvement of the system. All the requirements of this International Standard are generic and are intended to be applicable to any organization, regardless of its type or size, or the products and services it provides.

Keel: en
Alusdokumendid: ISO/DIS 56001; prEN ISO 56001

Arvamusküsitluse lõppkuupäev: 14.12.2023

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 13501-3

Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ventilation ducts and fire dampers and/or power, control and communication cables

This document specifies the procedure for classification of the resistance to fire performance of construction products and building elements used as components of building service installations, using data from fire resistance tests which are within the direct field of application of the relevant test method. Classification on the basis of extended application of test results is also included in the scope of this document. Products or elements for use in ventilation systems include (excluding smoke and heat exhaust ventilation): - fire resisting ventilation ducts; - fire dampers. Products or elements for use in or as cables systems: - unprotected electric cables with intrinsic fire resistance; - Fire protective systems for cable systems and associated components; Relevant test methods which have been prepared for these products/elements are listed in Clause 2. NOTE Cables associated with fire dampers are not generally covered by this document unless there is a local regulation that requires it.

Keel: en
Alusdokumendid: prEN 13501-3
Asendab dokumenti: EVS-EN 13501-3:2006+A1:2009

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEVS-ISO 10849

Paiksete saasteallikate heited. Lämmastikoksiidide massikontsentratsiooni määramine suitsugaasides. Automaatmõõteseadmete suutlikkusnäitajad
Stationary source emissions - Determination of the mass concentration of nitrogen oxides in flue gas- Performance characteristics of automated measuring systems (ISO 10849:2022, identical)

See dokument täpsustab paiksete heiteallikate emissioonigaaside mõõtmiste juures kasutatavate lämmastikoksiidide (NOx) automaatmõõtesüsteemi (AMS-i) põhikonstruktsiooni ja peamisi suutlikkusnäitajaid. Antud meetod võimaldab NOx suitsugaaside kontsentratsiooni pidevat seiret püsivalt paigaldatud mõõtesüsteemidega. See dokument kirjeldab gaasi väljavõtuga(ekstraktiivse) ja mitteekstraktiivse (saasteallikasiseste (in situ)) süsteeme erinevate analüsaatoritega, mille töö põhineb näiteks järgmistel meetoditel: – kemoluminestsents (CL); – dispersioonita infrapunaspektroskoopia (NDIR); – Fourier'i teisendusega infrapuna (FTIR) spektroskoopia; – dispersioonita ultraviolettspektroskoopia (NDUV); – diferentsiaalne optiline absorptsioonspektromeetria (DOAS). Kasutada võib ka muid samaväärseid mõõtemeetodeid, näiteks laserspektroskoopilisi tehnikaid, eeldusel, et need vastavad käesolevas dokumendis sätestatud miinimumnõuetele. Mõõtesüsteemi saab valideerida võrdlusmaterjalidega vastavalt käesolevale dokumendile või võrreldavate meetoditega. Eespool loetletud meetoditel põhinevat automaatmõõtesüsteemi (AMS) on selles rakenduses sobivate mõõtevahemike jaoks näidatud lisas F.

Keel: en
Alusdokumendid: ISO 10849:2022
Asendab dokumenti: EVS-ISO 10849:2006

Arvamusküsitluse lõppkuupäev: 14.12.2023

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 61326-2-6:2023

Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IN VITRO DIAGNOSTIC MEDICAL ELECTRICAL EQUIPMENT. This part of IEC 61326 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IVD MEE in the presence of electromagnetic disturbances and to electromagnetic disturbances emitted by IVD MEE. BASIC SAFETY with regard to electromagnetic disturbances is applicable to all IVD MEE. Note 1: performance with respect to electromagnetic disturbances other than ESSENTIAL PERFORMANCE is the subject of IEC 61326-1:2020 Note 2: IT equipment can be a part of an IVD MEE, if it is required to maintain BASIC SAFETY or ESSENTIAL PERFORMANCE

Keel: en
Alusdokumendid: 65A/1102/CDV; prEN IEC 61326-2-6:2023
Asendab dokumenti: EVS-EN IEC 61326-2-6:2021

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 25178-601

Geometrical product specifications (GPS) - Surface texture: Areal - Part 601: Design and characteristics of contact (stylus) instruments (ISO/DIS 25178-601:2023)

This document describes the design, the metrological characteristics, and the nominal characteristics of contact stylus instruments for areal measurement of surface topography. Because surface profiles can be extracted from areal surface topography data, the methods described in this document can be applied to profile measurements as well.

Keel: en
Alusdokumendid: ISO/DIS 25178-601; prEN ISO 25178-601

Asendab dokumenti: EVS-EN ISO 25178-601:2010

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 25178-602

Geometrical product specifications (GPS) - Surface texture: Areal - Part 602: Design and characteristics of non- contact (confocal chromatic probe) instruments (ISO/DIS25178-602:2023)

This document defines the design and metrological characteristics of a particular non-contact instrument for measuring surface texture using a confocal chromatic probe based on axial chromatic aberration of white light. Additional metrological characteristics can be found in ISO 25178-600. Because surface profiles can be extracted from areal surface topography data, the methods described in this document can be applied to profiling measurements as well.

Keel: en
Alusdokumendid: ISO/DIS 25178-602; prEN ISO 25178-602
Asendab dokumenti: EVS-EN ISO 25178-602:2010

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 25178-604

Geometrical product specifications (GPS) - Surface texture: Areal - Part 604: Design and characteristics of non-contact (coherence scanning interferometry) instruments (ISO/DIS 25178-604:2023)

This document describes the design and metrological characteristics of coherence scanning interferometry systems for areal measurement of surface topography. Because surface profiles can be extracted from surface topography data, the methods described in this document can be applied to profiling measurements as well.

Keel: en
Alusdokumendid: ISO/DIS 25178-604; prEN ISO 25178-604
Asendab dokumenti: EVS-EN ISO 25178-604:2013

Arvamusküsitluse lõppkuupäev: 14.12.2023

19 KATSETAMINE

prEN ISO/ASTM 52948

Additive manufacturing for metals - Non-destructive testing and evaluation - Imperfections classification in PBF parts (ISO/ASTM DIS 52948:2023)

This document specifies a classification of the imperfections likely to be generated during an additive manufacturing operation by PBF-LB (laser beam powder bed fusion) or PBF-EB (electron beam powder bed fusion) for metal parts. This document also indicates the most probable causes of the formation of imperfections and gives some illustrations taken from feedback. NOTE This classification applies to both PBF-LB and PBF-EB processes and can be extended to other additive manufacturing processes.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52948; prEN ISO/ASTM 52948

Arvamusküsitluse lõppkuupäev: 14.12.2023

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN ISO 7510

Plastics piping systems - Glass-reinforced plastics (GRP) components - Determination of the amounts of constituents (ISO 7510:2017)

ISO 7510:2017 specifies a method for the determination of constituent materials of a test sample cut from a glass-reinforced plastics (GRP) component intended for use in a piping system. It includes determination of resin, glass, aggregate and filler contents. It is also applicable to the determination of the type and arrangement of the reinforcements. If used to determine the amounts of constituent materials in layered constructions it may be necessary to separate the laminate layers by cutting or splitting and testing each separately.

Keel: en
Alusdokumendid: prEN ISO 7510; ISO 7510:2017
Asendab dokumenti: EVS-EN 637:1999

Arvamusküsitluse lõppkuupäev: 14.12.2023

25 TOOTMISTEHNOLOOGIA

prEN IEC 61326-2-6:2023

Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IN VITRO DIAGNOSTIC MEDICAL ELECTRICAL EQUIPMENT. This part of IEC 61326 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IVD MEE in the presence of electromagnetic disturbances and to electromagnetic disturbances emitted by IVD MEE. BASIC SAFETY with regard to electromagnetic disturbances is applicable to all IVD MEE. Note 1: performance with respect to electromagnetic disturbances other than ESSENTIAL PERFORMANCE is the subject of IEC 61326-1:2020 Note 2: IT equipment can be a part of an IVD MEE, if it is required to maintain BASIC SAFETY or ESSENTIAL PERFORMANCE

Keel: en
Alusdokumendid: 65A/1102/CDV; prEN IEC 61326-2-6:2023
Asendab dokumenti: EVS-EN IEC 61326-2-6:2021

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO/ASTM 52941

Additive manufacturing - System performance and reliability - Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application (ISO/ASTM DIS 52941:2023)

This document specifies requirements and test methods for the qualification and re-qualification of laser beam machines for metal powder bed fusion additive manufacturing for aerospace applications. It can also be used to verify machine features during periodic inspections or following maintenance and repair activities.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52941; prEN ISO/ASTM 52941
Asendab dokumenti: EVS-EN ISO/ASTM 52941:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO/ASTM 52948

Additive manufacturing for metals - Non-destructive testing and evaluation - Imperfections classification in PBF parts (ISO/ASTM DIS 52948:2023)

This document specifies a classification of the imperfections likely to be generated during an additive manufacturing operation by PBF-LB (laser beam powder bed fusion) or PBF-EB (electron beam powder bed fusion) for metal parts. This document also indicates the most probable causes of the formation of imperfections and gives some illustrations taken from feedback. NOTE This classification applies to both PBF-LB and PBF-EB processes and can be extended to other additive manufacturing processes.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52948; prEN ISO/ASTM 52948

Arvamusküsitluse lõppkuupäev: 14.12.2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 16905-3

Gas-fired endothermic engine driven heat pumps - Part 3: Test conditions

1.1 Scope of EN 16905 series This European Standard specifies the requirements, test methods and test conditions for the rating and performance calculation of gas-fired endothermic engine driven heat pumps for heating and/or cooling mode including the engine heat recovery, to be used outdoor. This European Standard is to be used in conjunction with: a) the terms and definitions, EN 16905-1:202x; b) the safety, EN 16905-2:202x; c) the requirements, test conditions and test methods, EN 16905-4:202x; d) the calculation of seasonal performances in heating and cooling mode, EN 16905-5:2022. e) the heat pump standards, EN 14511-2:2022, EN 14511-3:2022 and EN 14825:2022. This European Standard only applies to appliances with a maximum heat input (based on net calorific value) not exceeding 70 kW at standard rating conditions. This European Standard only applies to appliances under categories I2H, I2E, I2Er, I2R, I2E(S)B, I2L, I2LL, I2ELL, I2E(R)B, I2ESi, I2E(R), I3P, I3B, I3B/P, II2H3+, II2Er3+, II2H3B/P, II2L3B/P, II2E3B/P, II2ELL3B/P, II2L3P, II2H3P, II2E3P and II2Er3P according to EN 437:2021. This European Standard only applies to appliances having: a) gas fired endothermic engines under the control of fully automatic control systems; b) closed system refrigerant circuits in which the refrigerant does not come into direct contact with the fluid to be cooled or heated; c) where the temperature of the heat transfer fluid of the heating system (heating water circuit) does not exceed 105 °C during normal operation; d) where the maximum operating pressure in the 1) heating water circuit (if installed) does not exceed 6 bar; 2) domestic hot water circuit (if installed) does not exceed 10 bar. This European Standard applies to appliances only when used for space heating or space cooling or for refrigeration, with or without heat recovery. This European Standard is applicable to appliances that are intended to be type tested. Requirements for appliances that are not type tested would need to be subject to further consideration. 1.2 Scope of EN 16905 3 This part of the EN 16905 series specifies the test conditions for the rating of energy parameters of gas-fired endothermic engine driven heat pumps for heating and/or cooling mode including the engine heat recovery.

Keel: en
Alusdokumendid: prEN 16905-3
Asendab dokumenti: EVS-EN 16905-3:2017

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 12183

Nuclear fuel technology - Controlled-potential coulometric measurement of plutonium (ISO/DIS 12183:2023)

ISO 12183:2016 describes an analytical method for the electrochemical assay of pure plutonium nitrate solutions of nuclear grade, with a total uncertainty not exceeding ±0,2 % at the confidence level of 0,95 for a single determination (coverage factor, K = 2). The method is suitable for aqueous solutions containing more than 0,5 g/L plutonium and test samples containing between 4 mg and 15 mg of plutonium. Application of this technique to solutions containing less than 0,5 g/L and test samples containing less than 4 mg of plutonium requires experimental demonstration by the user that applicable data quality objectives will be met. For some applications, purification of test samples by anion exchange is required before measurement to remove interfering substances when present in significant amounts.

Keel: en
Alusdokumendid: ISO/DIS 12183; prEN ISO 12183
Asendab dokumenti: EVS-EN ISO 12183:2019

Arvamusküsitluse lõppkuupäev: 14.12.2023

29 ELEKTROTEHNIKA

EN IEC 62271-200:2021/prA1:2023

Amendment 1 - High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

Amendment to EN IEC 62271-200:2021

Keel: en
Alusdokumendid: 17C/903/CDV; EN IEC 62271-200:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 62271-200:2021

Arvamusküsitluse lõppkuupäev: 14.12.2023

33 SIDETEHNIKA

prEN 301 545-2 V1.4.0

Digital Video Broadcasting (DVB); Second Generation DVB Interactive Satellite System (DVB-RCS2); Part 2: Lower Layers for Satellite standard

The present document is a specification of the lower layers and the lower layer signalling system for the two-way satellite network variants defined by ETSI TS 101 545-3. The present document constitutes a complete specification of the lower layers for a transparent star satellite network, a transparent mesh overlay satellite network and a regenerative re-multiplexing satellite network. Also, components required for a satellite network with a TRANSEC system are included. The present document is normative for the consumer terminal profile in a transparent star satellite network as defined by ETSI TS 101 545-3, and does also include normative components specific to the other terminal profiles and satellite network variants defined by ETSI TS 101 545-3.

Keel: en
Alusdokumendid: Draft ETSI EN 301 545-2 V1.4.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 319 522-1 V1.2.0

Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 1: Framework and Architecture

The present document provides a reference framework and architecture for Electronic Registered Delivery Services.

Keel: en
Alusdokumendid: Draft ETSI EN 319 522-1 V1.2.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 319 522-2 V1.2.0

Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 2: Semantic contents

The present document specifies the semantic content that flows across the interfaces of ERD services which are specified in ETSI EN 319 522-1, clause 5.

Keel: en
Alusdokumendid: Draft ETSI EN 319 522-2 V1.2.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 319 522-3 V1.2.0

Electronic Signatures and Infrastructures (ESI); Electronic Registered Delivery Services; Part 3: Formats

The present document specifies the format for the semantic content (metadata, evidence, identification, and Common Service Infrastructure) that flows across the different interfaces of an Electronic Registered Delivery Service (ERDS) as defined in ETSI EN 319 522-2.

Keel: en
Alusdokumendid: Draft ETSI EN 319 522-3 V1.2.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 319 532-3 V1.3.0

Electronic Signatures and Infrastructures (ESI); Registered Electronic Mail (REM) Services; Part 3: Formats

The present document specifies the formats for messages that are produced and handled by a Registered Electronic Mail (REM) service according to the concepts and semantic defined in ETSI EN 319 522 parts 1 and 2 and ETSI EN 319 532 parts 1 and 2. More specifically, the present document: a) Specifies how the general ERDS concepts like user content and metadata are identified and mapped in the standard email structure. b) Specifies how the aforementioned concepts are mapped in the REM service messaging structures. c) Specifies how the ERDS evidence set is plugged inside the REM service messaging structures. d) Specifies additional mechanisms like digital signature and other security controls.

Keel: en
Alusdokumendid: Draft ETSI EN 319 532-3 V1.3.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 319 532-4 V1.3.0

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

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

Keel: en
Alusdokumendid: Draft ETSI EN 319 532-4 V1.3.0

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN IEC 61000-2-4:2023

Electromagnetic compatibility (EMC) - Part 2-4: Environment - Compatibility levels in power distribution systems in industrial locations for low-frequency conducted disturbances

This part of IEC 61000 is related to conducted disturbances in the frequency range from 0 kHz to 150 kHz. It gives compatibility levels for industrial locations, with a nominal voltage up to 35 kV and a nominal frequency of 50 Hz or 60 Hz. NOTE 1 Industrial locations are defined in 3.1.8. Power distribution systems on ships, aircraft, offshore platforms and railways are not included. NOTE 2 See also Annex E. The compatibility levels specified in this standard apply at the in-plant point of coupling (IPC). The level of the low-frequency disturbances at the terminals of equipment receiving its supply from the IPC is generally assumed to be similar to the disturbance level at the IPC itself. However, in some situations this is not the case, particularly when a long feeder is dedicated to the supply of a particular load, or when a disturbance is generated or amplified within the installation of which the equipment forms a part. Compatibility levels are specified for the types of low-frequency electromagnetic disturbances expected at any in-plant point of coupling (IPC) within industrial locations, for guidance in the definition of: a) limits for disturbance emissions in industrial power distribution systems (including the planning levels defined in 3.1.5); NOTE 3 A very wide range of conditions is possible in the electromagnetic environments of industrial networks. These are approximated in this standard by the three classes described in Clause 4. However, it is the responsibility of the operator of such a network to take account of the particular electromagnetic and economic conditions, including equipment characteristics, in setting the above-mentioned limits. b) immunity levels for the equipment within these systems. The disturbance phenomena considered are: – voltage deviations; – voltage dips and short interruptions; – voltage imbalance; – power-frequency variations; – harmonics up to order 40; – interharmonics up to the 40th harmonic; – voltage components above the 40th harmonic up to 150 kHz; – d.c. component; – transient overvoltages. The compatibility levels are given for different classes of environment determined by the characteristics of the supply network and loads. NOTE 4 Compatibility levels at the point of common coupling (PCC) on public networks are specified in IEC 61000-2-2 for low-voltage networks and IEC 61000-2-12 for medium-voltage networks. Technical reports IEC 61000-3-6 and IEC 61000-3-7 describe the approach of power distribution system operators to the limitation of emissions from installations and large loads.

Keel: en
Alusdokumendid: prEN IEC 61000-2-4:2023; 77A/1180/CDV
Asendab dokumenti: EVS-EN 61000-2-4:2002

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN IEC 61326-2-6:2023

Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

This International Standard applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IN VITRO DIAGNOSTIC MEDICAL ELECTRICAL EQUIPMENT. This part of IEC 61326 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of IVD MEE in the presence of electromagnetic disturbances and to electromagnetic disturbances emitted by IVD MEE. BASIC SAFETY with regard to electromagnetic disturbances is applicable to all IVD MEE. Note 1: performance with respect to electromagnetic disturbances other than ESSENTIAL PERFORMANCE is the subject of IEC 61326-1:2020 Note 2: IT equipment can be a part of an IVD MEE, if it is required to maintain BASIC SAFETY or ESSENTIAL PERFORMANCE

Keel: en
Alusdokumendid: 65A/1102/CDV; prEN IEC 61326-2-6:2023
Asendab dokumenti: EVS-EN IEC 61326-2-6:2021

Arvamusküsitluse lõppkuupäev: 14.12.2023

35 INFOTEHNOLOOGIA

prEN ISO 21549-7

Health informatics - Patient healthcard data - Part 7: Medication data (ISO/FDIS 21549-7:2023)

ISO 21549-7:2016 applies to situations in which such data is recorded on or transported by patient healthcards compliant with the physical dimensions of ID-1 cards defined by ISO/IEC 7810. ISO 21549-7:2016 specifies the basic structure of the data contained within the medication data object, but does not specify or mandate particular data sets for storage on devices. The purpose of this document is for cards to provide information to other health professionals and to the patient or its non-professional caregiver. It can also be used to carry a new prescription from the prescriber to the dispenser/pharmacy in the design of its sets. Medication data include the following four components: - medication notes: additional information related to medication and the safe use of medicines by the patient such as medication history, sensitivities and allergies; - medication prescriptions: to carry a new prescription from the prescriber to the dispenser/pharmacy; - medication dispensed: the records of medications dispensed for the patient; - medication references: pointers to other systems that contain information that makes up medication prescription and the authority to dispense. The following topics are beyond the scope of this document: - physical or logical solutions for the practical functioning of particular types of data cards; - how the message is processed further "downstream" of the interface between two systems; - the form which the data takes for use outside the data card, or the way in which such data is visibly represented on the data card or elsewhere. NOTE Not only does the definition of "medicinal products" differ from country to country, but also the same name can relate to entirely different products in some countries. Therefore, it is important to consider the safety of the patient when the card is used across borders. ISO 21549-7:2016 describes and defines the Medication data objects used within or referenced by patient-held health data cards using UML, plain text and Abstract Syntax Notation (ASN.1). ISO 21549-7:2016 does not describe nor define the common objects defined within ISO 21549-2, even though they are referenced and utilized within this document.

Keel: en
Alusdokumendid: ISO/FDIS 21549-7; prEN ISO 21549-7
Asendab dokumenti: EVS-EN ISO 21549-7:2016

Arvamusküsitluse lõppkuupäev: 14.12.2023

45 RAUDTEETEHNIKA

EN 17530:2022/prA1

Railway applications - Interior glazing for rail vehicles

This document specifies the functional, performance, and quality requirements for the interior glazing of rail vehicles including type testing, routine testing, and inspection methods. This document applies to all rail vehicles. Determination of the size, shape, orientation and position of interior glazing is outside the scope of this document. This document does not specify requirements for the interfaces between the interior glazing and the vehicle. Accordingly, this document does not address issues relating to installation and structural integrity. This document does not apply to interior glazing with a surface less than 0,02 m2 and also emergency device casings (e.g. cover sheets for emergency hammers, passenger alarm systems, etc). This document does not apply to materials other than glass. For safety reasons, where the use of a specific type of glass is required, this shall be set out in the technical specification or defined in national rules.

Keel: en
Alusdokumendid: EN 17530:2022/prA1
Muudab dokumenti: EVS-EN 17530:2022

Arvamusküsitluse lõppkuupäev: 14.12.2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 17234-1

Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants (ISO/DIS 17234-1:2023)

This document specifies a method for determining the use of certain azo colourants which can release certain aromatic amines.

Keel: en
Alusdokumendid: ISO/DIS 17234-1; prEN ISO 17234-1
Asendab dokumenti: EVS-EN ISO 17234-1:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 16942

Fuels - Identification of vehicle compatibility - Graphical expression for consumer information

This document lays down harmonized identifiers for marketed liquid and gaseous fuels. The requirements in this document are to complement the informational needs of users regarding the compatibility between the fuels and the vehicles that are placed on the market. The identifier is intended to be visualized at dispensers and refuelling points, on vehicles, in motor vehicle dealerships and in consumer manuals as described in this document. Marketed fuels include for example petroleum-derived fuels, synthetic fuels, biofuels, natural gas, LPG, hydrogen and biogas and blends of the aforementioned delivered to mobile applications. NOTE For the purposes of this document, the terms “% (m/m)” and “% (V/V)” are used to represent respectively the mass fraction, μ, and the volume fraction, φ.

Keel: en
Alusdokumendid: prEN 16942
Asendab dokumenti: EVS-EN 16942:2016+A1:2021

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 18015

Automotive fuels - Determination of hydrocarbon group types and select hydrocarbon and oxygenate compounds - Gas chromatography with vacuum ultraviolet absorption spectroscopy (GC-VUV) method

This test method is a standard procedure for the determination of saturates, olefins, aromatics and oxygenates in unleaded petrol using gas chromatography and vacuum ultraviolet detection (GC-VUV). Concentrations of compound classes and certain individual compounds are determined by mass fraction % (m/m) or volume fraction % (V/V). The concentration ranges for which precision has been determined are as given in Table 1. 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, respectively. The method is found to be applicable to other oxygenates including isopropanol, iso-butanol, tert-butanol, n-propanol, acetone, tert-pentanol and di-isopropyl ether (DIPE), however precision has not been determined. Table 1 — Ranges of method applicability Property Units Applicable range Saturates % (V/V) 21,48 to 80,87 Olefins % (V/V) 0,22 to 41,90 Aromatics % (V/V) 2,35 to 64,55 Benzene % (V/V) 0,20 to 2,54 Toluene % (V/V) 0,87 to 30,97 Ethylbenzene % (V/V) 0,20 to 3,45 Xylenes % (V/V) 0,49 to 18,59 Methanol % (V/V) 0,07 to 15,30 Ethanol % (V/V) 0,08 to 24,96 MTBE % (V/V) 0,22 to 22,21 ETBE % (V/V) 0,13 to 23,44 TAME % (V/V) 0,24 to 21,96 TAEE % (V/V) 0,24 to 8,60 Oxygen % (m/m) 0,52 to 12,19 Individual hydrocarbon components are typically not baseline-separated by the procedure described in this test method. The coelutions are resolved at the detector using VUV absorbance spectra (Annex A) and deconvolution algorithms. While this test method reports by mass fraction % (m/m) or volume fraction % (V/V) for several specific components that can be present in unleaded petrol, it does not attempt to speciate all possible components that can occur in unleaded petrol. In particular, this test method is not intended as a type of detailed hydrocarbon analysis (DHA). This test method has been tested for unleaded petrol according EN 228 [1]; the method can apply to petrol blending streams but has not been extensively tested for such applications. WARNING — The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: prEN 18015

Arvamusküsitluse lõppkuupäev: 14.12.2023

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 4892-1

Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance (ISO/DIS 4892-1:2023)

ISO 4892-1 provides information and general guidance relevant to the selection and operation of the methods of exposure described in detail in subsequent parts. It also describes general performance requirements for devices used for exposing plastics to laboratory light sources. Information regarding performance requirements is for producers of artificial accelerated weathering or artificial accelerated irradiation devices. NOTE In this part of ISO 4892, the term "light source" refers to radiation sources that

emit UV radiation, visible radiation, infrared radiation or any combination of these types of radiation. ISO 4892-1:2016 also provides information on the interpretation of data from artificial accelerated weathering or artificial accelerated irradiation exposures. More specific information about methods for determining the change in the properties of plastics after exposure and reporting these results is given in ISO 4582.

Keel: en
Alusdokumendid: ISO/DIS 4892-1; prEN ISO 4892-1
Asendab dokumenti: EVS-EN ISO 4892-1:2016

Arvamusküsitluse lõppkuupäev: 14.12.2023

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 19403-2

Paints and varnishes - Wettability - Part 2: Determination of the surface free energy of solid surfaces by measuring the contact angle (ISO/DIS 19403-2:2023)

ISO 19403-2:2017 specifies a test method to measure the contact angle for the determination of the surface free energy of a solid surface. The method can be applied for the characterization of substrates and coatings. NOTE 1 For the determination of the surface free energy of polymers and coatings, either the method in accordance with Owens, Wendt, Rabel and Kaelble or the method in accordance with Wu is used preferably. NOTE 2 The morphological and chemical homogeneity have an influence on the measuring results. NOTE 3 The procedures indicated in ISO 19403-2:2017 are based on the state-of-the-art employing the drop projection method in penumbral shadow. Other methods are not excluded. NOTE 4 Measuring the contact angle on powders is not part of ISO 19403-2:2017. For further information, see the bibliography.

Keel: en
Alusdokumendid: ISO/DIS 19403-2; prEN ISO 19403-2
Asendab dokumenti: EVS-EN ISO 19403-2:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 19403-3

Paints and varnishes - Wettability - Part 3: Determination of the surface tension of liquids using the pendant drop method (ISO/DIS 19403-3:2023)

ISO 19403-3:2017 specifies a test method to measure the surface tension of liquids with an optical method using the pendant drop. The method can be applied for the characterization of liquid coating materials. The applicability can be restricted for liquids with non-Newtonian rheology[1]. NOTE For other methods to determine the surface tension, see e.g. EN 14370 and ISO 1409. [1] This term is defined in DIN 1342-1.

Keel: en
Alusdokumendid: ISO/DIS 19403-3; prEN ISO 19403-3
Asendab dokumenti: EVS-EN ISO 19403-3:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 19403-6

Paints and varnishes - Wettability - Part 6: Measurement of dynamic contact angle (ISO/DIS 19403-6:2023)

ISO 19403-6:2017 specifies a method to measure the dynamic contact angle with an optical method. The advancing and the receding angles are determined. By means of this defined measurement, the wetting and dewetting properties can be characterized. It can also be concluded on the morphological and chemical homogeneity of interfaces.

Keel: en
Alusdokumendid: ISO/DIS 19403-6; prEN ISO 19403-6
Asendab dokumenti: EVS-EN ISO 19403-6:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN ISO 19403-7

Paints and varnishes - Wettability - Part 7: Measurement of the dynamic contact angles and the roll-off angle on a tilt stage (ISO/DIS 19403-7:2023)

ISO 19403-7:2017 specifies a method for the dynamic measurement of the roll-off angle of a liquid drop on a solid surface. From the dynamic measurement, the advancing and receding angles of the drop rolling off can also be determined. The roll-off angle plays a role when evaluating, for example, easy-to-clean or anti-adherent surfaces.

Keel: en
Alusdokumendid: ISO/DIS 19403-7; prEN ISO 19403-7
Asendab dokumenti: EVS-EN ISO 19403-7:2020

Arvamusküsitluse lõppkuupäev: 14.12.2023

91 EHITUSMATERJALID JA EHITUS

prEN 12464-2
Light and lighting - Lighting of work places - Part 2: Outdoor work places

This European Standard specifies lighting requirements for outdoor work places, which meet the needs for visual comfort and performance. All usual visual tasks are considered. This European Standard is not applicable for emergency lighting; see EN 1838 and EN 13032-3. This European Standard does not specify lighting requirements with respect to the safety and health of workers at work and has not been prepared in the field of application of Article 153 of the EC treaty, although the lighting requirements, as specified in this standard, usually fulfil safety needs. Lighting requirements with respect to the safety and health of workers at work may be contained in Directives based on Article 153 of the EC treaty, in national legislation of member states implementing these directives or in other national legislation of member states. This European Standard neither provides specific solutions, nor restricts the designer's freedom from exploring new techniques nor restricts the use of innovative equipment.

Keel: en
Alusdokumendid: prEN 12464-2
Asendab dokumenti: EVS-EN 12464-2:2014

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 18001
Curtain walling - Environmental Product Declarations - Product category rules for curtain walling

This document provides product category rules (PCR) for Type III environmental declarations for curtain walling as defined in EN 13830:2015+A1:2020, excluding openable infills. Openable infills should be addressed according to EN 17213. This document complements the core rules for the product category of construction products as defined in EN 15804:2012+A2:2019. This document is to be used in conjunction with EN 15804:2012+A2:2019, not replace it. NOTE The assessment of social and economic performances at product level is not covered by this document. The core PCR: - defines the parameters to be declared and the way in which they are collated and reported; - describes which stages of a product's life cycle are considered in the EPD and which processes are to be included in the life cycle stages; - defines rules for the development of scenarios; - includes the rules for calculating the Life Cycle Inventory and the Life Cycle Impact Assessment underlying the EPD, including the specification of the data quality to be applied; - includes the rules for reporting the predetermined, environmental and health information that is not covered by Life Cycle Assessment (LCA) for the product, construction process(es) and construction service(s), as relevant; - defines the conditions under which construction products can be compared based on the information provided by EPD. For the EPD of construction services the same rules and requirements apply as for the EPD of construction products.

Keel: en
Alusdokumendid: prEN 18001

Arvamusküsitluse lõppkuupäev: 14.12.2023

93 RAJATISED

prEN 12697-16
Bituminous mixtures - Test methods - Part 16: Abrasion by studded tyres

This document specifies two test methods (method A and method B) for determining the susceptibility of abrasion by studded tyres, tested on cylindrical specimens of bituminous mixtures. The test methods are applicable to bituminous mixtures with aggregate with upper sieve size not exceeding 22 mm. The tests are applicable to laboratory produced specimens or cores drilled from a slab or pavement. NOTE 1 Method A originates from the 'Prall'-method, which has been improved by comprehensive Nordic research work. The method correlates with abrasion in the field when using paving grade bitumen. According to Nordic experience by method A the correlation between laboratory and abrasion in field is not established when polymer modified bitumen or rubber modified bitumen, etc. is used. NOTE 2 Method B originates from Finnish experience and is suitable also when polymer modified bitumen is used. The correlation between laboratory and abrasion in field is not established when rubber is used.

Keel: en
Alusdokumendid: prEN 12697-16
Asendab dokumenti: EVS-EN 12697-16:2016

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 12697-2
Bituminous mixtures - Test methods - Part 2: Determination of particle size distribution

This document specifies a procedure for the determination of the particle size distribution of the aggregates of bituminous mixtures by sieving. The test is applicable to aggregates recovered after binder extraction in accordance with EN 12697 1 or EN 12697 39. NOTE Fibres, solid (non-soluble during extraction) additives and (some) binder modifiers influence the test result.

Keel: en
Alusdokumendid: prEN 12697-2
Asendab dokumenti: EVS-EN 12697-2:2015+A1:2019

Arvamusküsitluse lõppkuupäev: 14.12.2023

prEN 12697-35

Bituminous mixtures - Test methods - Part 35: Laboratory mixing

This document describes the laboratory mixing of bituminous materials for the manufacture of specimens. This document specifies the reference compaction temperatures for mixing based on the grade of the binder for paving grade and hard paving grade bitumen. Annex A describes the method for manufacture of samples of asphalt mixtures using foamed bitumen. Annex B describes the method for manufacture of samples of asphalt mixtures using bitumen emulsion. Once mixed, mastic asphalt samples are prepared in accordance with Annex C.

Keel: en
Alusdokumendid: prEN 12697-35
Asendab dokumenti: EVS-EN 12697-35:2016

Arvamusküsitluse lõppkuupäev: 14.12.2023

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.

CEN/TR 16598:2023

Kogumik põhjendustest standardile EN 1176. Nõuded

Selles aruandes esitatud põhjendused kirjeldavad standardis EN 1176 esitatud nõuete peamisi põhjusi. Dokumendis esitatud nõuded on vahendid (nt mõõtmed, katsemeetodid jne), mille abil soovitakse eesmärke saavutada.

Keel: et
Alusdokumendid: CEN/TR 16598:2023

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 1097-7:2022

Täitematerjalide mehaaniliste ja füüsikaliste omaduste katsemeetodid Osa 7: Filleri osakeste tiheduse määramine – Püknomeetrimeetod

See dokument spetsifitseerib filleri osakeste tiheduse määramise meetodi püknomeetri abil, mis on referentsmeetodiks tüübikatsetel ja vaidluste korral. Teistel eesmärkidel, eelkõige tehase tootmisohjel, võib kasutada teisi meetodeid eeldusel, et asjakohane seos referentsmeetodiga on tõestatud. MÄRKUS Täitematerjalide osakeste tiheduse määramise meetodid on spetsifitseeritud standardis EN 1097-6. Lisas A on spetsifitseeritud püknomeetri mahu määramise meetod. Lisas B on spetsifitseeritud filleri osakeste tiheduse määramiseks kasutatava vedeliku tiheduse määramise meetod. Lisad A ja B on normlisad. HOIATUS — Selle standardi EN 1097 osa kasutamine võib hõlmata ohtlikke materjale, menetlusi ja seadmeid (nagu vedelikud, tolm, müra ja tõstukid). See dokument ei käsitle kõiki selle rakendamisega seotud ohutus-või keskkonnaprobleeme. Selle dokumendi kasutaja on kohustatud rakendama enne kasutamist asjakohaseid meetmeid personali ohutuse ja tervise ning keskkonnakaitse tagamiseks ning tagama seadusandlike ja regulatiivsete meetmete järgimise.

Keel: et
Alusdokumendid: EN 1097-7:2022

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 12341:2023

Välisõhk. Standardne kaalumismeetod suspendeerunud osakeste PM10 või PM2,5 massikontsentratsiooni määramiseks

See Euroopa standard kirjeldab standardmeetodit suspendeerunud osakeste PM10 või PM2,5 massikontsentratsiooni määramiseks välisõhus osakeste filtritele kogumise ja kaalumise teel. Mõõtmised tehakse lisas A määratletud sissevooluava ehitusega proovivõtuseadmetega, mis töötavad nimivoolukiirusel 2,3 m3/h nominaalsel proovivõtuperioodil 24 h. Meetod hõlmab välisõhus suspendeerunud osakeste eri fraktsioonide kontsentratsioonide määramist piirkondades, mis on liigitatud maapiirkondadeks, linnakeskkonna taustapiirkondadeks, liiklusest ja tööstusallikatest mõjutatud piirkondadeks. Mõõtmistulemused esitatakse kujul µg/m3, kusjuures õhu ruumala on proovivõtu ajal sissevooluava juures välitingimustel oleva õhu maht. See standard on rakendatav kontsentratsioonivahemikus ligikaudu 1 µg/m3 (standardmõõtemeetodi määramatusena väljendatud avastamispiir) PM10 puhul kuni 150 µg/m3 ja PM2,5 puhul kuni 120 µg/m3. MÄRKUS 1 Ehkki standard ei ole valideeritud kõrgematel kontsentratsioonidel, võib selle kasutuspiirkonda laiendada välisõhu kontsentratsioonideni ca 200 µg/m3, kasutades sobivaid filtrimaterjale (vt jaotist 5.1.5.2). See Euroopa standard kirjeldab meetodeid ja esitab nõuded filtrikassetiga automaatse filtrivahetusega ja pikemaajaliseks iseseisvaks käitamiseks sobivate proovivõtuseadmete kasutamiseks. Filtrikassetiga automaatselt järjestikku filtreid vahetavaid proovivõtuseadmeid kasutatakse Euroopa Liidus laialdaselt PM10 või PM2,5 kontsentratsioonide mõõtmiseks välisõhus. Samas aga ei välista see standard ühe filtriga proovivõtuseadmete kasutamist. MÄRKUS 2 Proovivõtuseadmete vanemaid versioone, mis vastavad standardi EN 12341 [2 ja 21] varasematele versioonidele, saab endiselt kasutada kandidaatmeetodite ekvivalentsuse hindamiseks, kasutades standardis EN 190 16450 [5] ja [11] kirjeldatud protseduure. Kui selle dokumendi alusel katsetatud proovivõtuseadmete uuemad versioonid muutuvad kättesaadavaks, tuleb lõpetada standardis EN 16450 ja [11] käsitletud vanemate referentsproovivõtuseadmete kasutamine. Samaväärsete meetodite tüübikatsetuste aruanded kehtivad endiselt, kui need on tellitud enne käesoleva standardi alusel katsetatud tüübikinnitusega referentsproovivõtuseadmete kättesaadavust. Selles standardis tuuakse juhiseid ka filtrite valimiseks ja testimiseks, et vähendada selle standardi rakendamisel saadud tulemuste mõõtemääramatust.

Keel: et
Alusdokumendid: EN 12341:2023

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 1264-2:2021

Veepõhised pinnasisesed kütte- ja jahutussüsteemid. Osa 2: Põrandküte: soojusvõimsuse kindlaksmääramise meetodid, kasutades arvutusi ja eksperimentaalseid katseid

Sarjas EN 1264 antakse juhised pinnasisesed kütte- ja jahutussüsteemide kohta, mis on paigaldatud hoonetesse, elamutesse ja mitteelamutesse (näiteks kontorid, avalikud, äri- ja tööstushooned), ning keskendutakse soojusliku mugavuse otstarbel

paigaldatud süsteemidele. Sarjas EN 1264 antakse juhised veepõhiste kütte- ja jahutussüsteemide kohta, mis on sisse ehitatud köetava või jahutatava ruumi piiretesse. Samuti määratletakse muude soojuskandjate kasutamist vee asemel, kui see on asjakohane. Sarjas EN 1264 määratletakse standarditud tooteomadused, arvutuste ja soojusvõimsuse katsete teel tehniliste spetsifikatsioonide ja sertifikaatide jaoks. Nende süsteemide projekteerimise, rajamise ja kasutamise jaoks vaata tüüpide A, B, C, D, H, I ja J kohta standardeid EN 1264-3 ja EN 1264-4. Tüüpide E, F ja G kohta vaata sarja EN ISO 11855. Sarjas EN 1264 määratletud süsteemid külgnevad hoone piirde konstruktsiooniga, mis on paigaldatud vahetult või kinnituskanduritega. Sarjas EN 1264 ei määratleta ripplagedesse paigaldatud laesüsteeme, kus süsteemi ja ehituskonstruktsiooni vahel on kavandatud avatud õhuvahe, mis võimaldab õhu termilist ringlust. Nende süsteemide soojusvõimsust saab määrata standardisarja EN 14037 ja standardi EN 14240 järgi. Sarjas EN 1264-2 täpsustatakse sooja veega põrandküttesüsteeme. Standardi EN 1264-5 rakendamine nõuab, et enne seda kasutataks standardit EN 1264-2. Standardis EN 1264-5 määratletakse standardis EN 1264-2 määratletud põrandküttesüsteemide soojusvõimsuse teisendamist seintesse ja lagedesse sisseehitatud küttepindade soojusvõimsuseks ning põrandatesse, seintesse ja lagedesse sisseehitatud jahutuspindade soojusvõimsuseks. Standardis EN 1264-2 täpsustatakse sooja veega põrandküttesüsteemide soojusvõimsuse määramise piirtingimused ning katsemeetodid soojuskandja temperatuuri ja toatemperatuuri vahelise erinevuse funktsioonina. Soojusvõimsust katsetatakse arvutus- ja mõõtmismeetodil. Arvutusmeetodit kohaldatakse süsteemidele, mis vastavad standardi EN 1264-1 määratlustele (tüübid A, B, C, D, H, I ja J). Mõõtmismeetod annab juhised süsteemidele, mis nendele määratlustele ei vasta. Arvutus- ja mõõtmismeetod on teineteisega kooskõlas ning annavad korrelatiivsed ja täiesti vastavad katsetulemused. Katsetulemused, mis on väljendatud olenevalt muudest parameetritest, on tavaline erisoojusvõimsus ning sellega seotud tavaline soojuskandja temperatuuri ja toatemperatuuri vaheline erinevus, samuti tunnuskõverate väljad, mis näitavad erisoojusvõimsuse ning soojuskandja temperatuuri ja toatemperatuuri erinevuse vahelist sõltuvust.

Keel: et
Alusdokumendid: EN 1264-2:2021

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 15267-1:2023

Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 1: Sertifitseerimise üldpõhimõtted

Käesolevat dokumenti kohaldatakse AQME sertifitseerimisele välisõhu kvaliteedi ja paiksetest allikatest pärinevate heitkoguste seire osas, millele kehtivad suutlikkuskriteeriumid ja katsemenetlused on kättesaadavad Euroopa standardites. Käesolev standard täpsustab ja täiendab EN ISO/IEC 17065 nõudeid AQME-d sertifitseerivatele asutustele. Selles täpsustatakse nõudeid katselaboritele, samuti tootja kvaliteedijuhtimissüsteemile (QMS) ja tootmisprotsessi järelevalvele ühe osana sertifitseerimisprotsessist. Antud standard kehtib ainult koos standardiga EN ISO/IEC 17065.

Keel: et
Alusdokumendid: EN 15267-1:2023

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 15267-2:2023

Õhukvaliteet. Õhukvaliteedi seireseadmete hindamine. Osa 2: Tootja kvaliteedijuhtimissüsteemi esmane hindamine ja tootmisprotsessi sertifitseerimise järgne järelevalve

Käesolevas dokumendis täpsustatakse nõudeid tootja kvaliteedijuhtimissüsteemile (QMS). Lisaks täpsustatakse nõudeid tootja tootmisohje esialgsele hindamisele ja jätkuvale järelevalvele hilisemate muudatuste mõju üle sertifitseeritud õhukvaliteedi seireseadmete (AQME) suutlikkusele. Käesolevat dokumenti kasutatakse ka viitedokumendina tootja QMS-i auditeerimisel. Antud standard kehtib ainult koos standardiga EN ISO 9001.

Keel: et
Alusdokumendid: EN 15267-2:2023

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN 50470-4:2023

Elektrimõõteseadmed. Osa 4: Erinõuded. Staatilised alalisvoolu aktiivenergia arvestid (klass A, B ja C)

See dokument kehtib ainult staatilistele vatt-tunni arvestitele täpsusklassidega A, B ja C, mida kasutatakse alalisvoolu aktiivenergia mõõtmiseks alalisvoolusüsteemides, sh nende arvestite tüübikatsetuste kohta. MÄRKUS 1 Arvesti üldnõuete, sealhulgas ehituse, elektromagnetilise ühilduvuse, ohutuse, usaldatavuse jne kohta vaadake vastava ala standardisarja EN 62052 või EN 62059. See dokument kehtib elektrienergiat arvestavatele seadmetele, mis on kavandatud: — elektrienergia mõõtmiseks ja juhtimiseks alalisvoolu elektrivõrkudes kuni pingeni 1500 V; MÄRKUS 2 Maandamata alalisvooluallikatele ja kolmejuhilistele alalisvooluvõrkudele ettenähtud arvestid on selle standardi käsitlusalas. — moodustama terviklikku arvestit koos mõõdetavate suuruste legaalmetroloogiliselt kontrollitava näidikuga; MÄRKUS 3 Siin sisalduvad ka eraldiseisvatest osadest koostatud elektriarvestid, mida on kirjeldatud organisatsiooni Welmec juhendis 11.7:2017. — töötavama arvestisse integreeritud või eraldiseisvate legaalmetroloogiliselt kontrollitavate näidikutega; — valikuliselt pakkuma ka muid lisafunktsioone peale elektrienergia mõõtmisega seonduvate. Neid saab kasutada alalisvoolu elektrienergia mõõtmiseks, sealhulgas järgmistes rakendusvaldkondades: — elektrisõidukite (EV, electrical vehicle) laadimisjaamades või elektrisõidukite laadimise infrastruktuuris, mida nimetatakse ka elektrisõiduki toiteseadmeteks (EVSE, electric vehicle supply equipment), juhul kui energiat mõõdetakse alalisvoolu poolel; — päikeseenergia fotogalvaanilistes (PV) süsteemides, kus mõõdetakse alalisvoolu energiatootmist; — elamu- või äripiirkondade madalpinge alalisvooluvõrkudes, kui energiat mõõdetakse alalisvoolu poolel, sealhulgas sarnased rakendused nt infotehnoloogia (IT) serveripargid või sideseadmete alalisvoolu toitepunktid; — ühistranspordivõrkude (nt trollibusside) alalisvoolu toitepunktides; — elektriteede (ERS, electric road systems) sõidukite mobiilsetes rakendustes. Väliste alalisvoolu (DC) mõõtetrafode, mõõtemuundurite või šuntidega töötamiseks ette nähtud arvestite vastavust sellele dokumendile saab testida vaid juhul, kui sellised arvestid testitakse koos nende mõõtetrafode, mõõtemuundurite või šuntidega ja need seejuures vastavad otseühendusega arvestite nõuetele. Selles dokumendis ja standardis EN IEC 62052-11:20211 toodud nõuded

kehtivad arvestitele, mis on projekteeritud töötama koos väikse võimsusega alalisvoolu mõõtemuunduritega (DC LPIT) ja ka kehtivad arvestitele, mis on projekteeritud töötama väliste mõõtetrafode, mõõtemuundurite või šuntidega. MÄRKUS 4 Kaasaegsed elektriarvestid sisaldavad tavaliselt lisafunktsioone, nagu pinge amplituudi, voolu amplituudi, võimsuse jms mõõtmise funktsioone ; elektrikvaliteedi parameetrite mõõtmise funktsioone; koormuse juhtimise funktsioone; tarne-, aja-, katse-, raamatupidamis- ja salvestusfunktsioone; andmesideliideseid ja nendega seotud andmeturbe funktsioone. Lisaks selle dokumendi nõuetele võivad nendele kohalduda vastavaid funktsioone käsitlevad asjakohased standardid. Nõuded sellistele funktsioonidele jäävad aga käesoleva dokumendi käsitlusalast välja. MÄRKUS 5 Tootenõuded võimsuse mõõtmis- ja seireseadmetele (PMD) ning mõõtmisfunktsioonidele, nagu pinge amplituudi, voolutugevuse amplituudi, võimsuse jne mõõtmine, on hõlmatud standardiga EN 61557-12:2022[7]. Sellegipoolest pole standardile EN 61557-12:2022[7] vastavad seadmed ette nähtud kasutamiseks arveldusarvestitena, välja arvatud juhul, kui need vastavad ka standardile EN IEC 62052-11:2021[i] ja käesolevale dokumendile. MÄRKUS 6 Nõuded alalisvoolu toitekvaliteedi (DC PQ) mõõteriistadele, alalisvoolu toitekvaliteedi mõõtmistehnikatele ja toitekvaliteedi mõõteseadmete testimisele on arutluses ja määratletakse teiste standarditega. Seda dokumenti ei kohaldata — kantavatele arvestitele; MÄRKUS 7 Kantavad arvestid on arvestid, mis pole püsivalt ühendatud. — veeremis (raudtee rakendustes), laevades ja lennukites kasutatavatele arvestitele; MÄRKUS 8 Veeremi alalisvooluarvesteid käsitlevad teised standardid, nt EN 50463 standardisari. — seadmetele laboratoorseteks katseteks ja arvestite testimiseks; — standardikohastele tugiarvestitele; — andmeliidestele ligipääsuks arvesti registrisse; — elektrimõõteseadmete paigalduspesadele või aparaadiraamidele; — kõikidele elektriarvesti lisafunktsioonidele. See dokument ei hõlma meetmeid arvesti tööjõudlust salaja kahjustava võltsimise tuvastamiseks või vältimiseks. MÄRKUS 9 Sellegipoolest kehtivad konkreetsele turule asjakohased võltsimiste tuvastamise ja vältimise nõuded ning katsemeetodid tootja ja ostja vahelise kokkuleppe alusel. MÄRKUS 10 Pettuste tuvastamise ja ennetamise nõuete ja katsemeetodite detailne kirjeldamine oleks kahjulik, sest niisugused tehnilised kirjeldused annaksid juhiseid võimalikele petturitele. MÄRKUS 11 Eri turgudelt on teateid paljudest erinevatest arvestite töö salajase mõjutamisega seotud pettusejuhtumitest. Seepärast suurendaks kõikvõimalikke rikkumisi tuvastavate ja vältivate arvestite projekteerimine põhjendamatult nende projekteerimise, kontrollimise ja valideerimise kulusid. MÄRKUS 12 Arveldustes kasutatavad süsteemid, sh tarkade arvestitega mõõtesüsteemid, suudavad tuvastada ebakorrapäraseid tarbimismustreid ja tavapärasest erinevaid võrgukadusid, see omakorda võimaldab leida võltsimiskahtlusega arvesteid. MÄRKUS 13 See dokument ei määratle emissiooninõudeid. Need on määratud standardi EN IEC 62052-11:20211 jaotises 9.3.14. MÄRKUS 14 Elektrisõidukite toiteseadmete (EVSE) elektriarvestite mõned aspektid, mida kavatsetakse käsitleda CLC/TC 13 (EN 50732) töörühma WG 03 poolt uutes dokumentides, võidakse selle standardi tulevastest versioonidest eemaldada.

Keel: et
Alusdokumendid: EN 50470-4:2023

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN ISO 12217-1:2017

Väikelaevad. Stabiilsuse ja ujuvuse hindamine ja klassifitseerimine. Osa 1: Mitte purjelaevad, mille kere pikkus on 6 meetrit või rohkem

Standardi ISO 12217 selles osas on sätestatud meetodid tervete (st kahjustamata) laevade stabiilsuse ja ujuvuse hindamiseks. Arvesse on võetud ka uppumise suhtes tundlike laevade ujuvilpüsimise näitajaid. Stabiilsuse ja ujuvuse näitajate hindamine standardi ISO 12217 selle osa abil võimaldab määrata laeva konstruktsioonile ja maksimaalsele kogukoormusele vastavasse konstruktsioonikategooriasse (A, B, C või D). Standardi ISO 12217 seda osa kohaldatakse peamiselt inim- või mehaanilise jõuga liikuvate laevade suhtes, mille kerepikkus on 6 m kuni 24 m. Seda võib siiski kohaldada ka alla 6 m pikkuste laevade suhtes, kui need ei vasta standardis ISO 12217-3 määratletud soovitud konstruktsioonikategooriale ning kui neil on laevalagi ja standardile ISO 11812 vastavad kiire äravooluga süvendid. Elamiskõlblike mitmekereliste laevade puhul hõlmab standardi ISO 12217 see osa ümbermineku riski hindamist, toimiva varuväljapääsu määratlemist ja nõudeid ujuvilpüsimisele ümberpööratud asendis. Standardi ISO 12217 see osa ei kohaldu järgneva suhtes: — standardiga ISO 6185 hõlmatud täispuhutavad ja jäiga konstruktsiooniga täispuhutavad paadid, välja arvatud standardis ISO 6185 esitatud viited standardi ISO 12217 erijaotistele; — standardiga ISO 13590 hõlmatud jetid ja muud sarnased energiaallikaga varustatud veesõidukid; — gondlid ja vesijalgrattad; — purjelaud; — lainelaud, sealhulgas mootoriga lainelaud; — tiibur- ja hõljuklaevad, kui neid ei käitata veeväljasurvelise ujuvuse faasis; ja — allvee veesõidukid. MÄRKUS Veeväljasurvelise ujuvuse faas tähendab, et laeva toetavad ainult hüdrostaatilised jõud. See ei hõlma ega hinda mõju stabiilsusele pukseerimis-, püügi-, süvendamis- või tõstetoimingutel, mida tuleb vajaduse korral arvesse võtta eraldi.

Keel: et
Alusdokumendid: ISO 12217-1:2015; EN ISO 12217-1:2017

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN ISO 12217-2:2017

Väikelaevad. Stabiilsuse ja ujuvuse hindamine ja klassifitseerimine. Osa 2: Purjelaevad, mille kere pikkus on 6 meetrit või rohkem

Standardi ISO 12217 selles osas on sätestatud meetodid tervete (st kahjustamata) laevade stabiilsuse ja ujuvuse hindamiseks. Arvesse on võetud ka uppumise suhtes tundlike laevade ujuvilpüsimise näitajaid. Stabiilsuse ja ujuvuse näitajate hindamine standardi ISO 12217 selle osa abil võimaldab määrata laeva konstruktsioonile ja maksimaalsele koormusele vastavasse konstruktsioonikategooriasse (A, B, C või D). Standardi ISO 12217 seda osa kohaldatakse peamiselt purjede abil liikuvate laevade suhtes (isegi kui need on abimootoriga varustatud), mille kerepikkus on 6 m kuni 24 m (kaasa arvatud). Seda võib siiski kohaldada ka alla 6 m pikkuste laevade suhtes, kui need on elamiskõlblikud mitmekerelised laevad või kui need ei vasta standardis ISO 12217-3 määratletud soovitud konstruktsioonikategooriale ning kui neil on laevalagi ja standardile ISO 11812 vastavad kiire äravooluga süvendid. Elamiskõlblike mitmekereliste laevade puhul hõlmab standardi ISO 12217 see osa ümbermineku riski hindamist, toimiva varuväljapääsu määratlemist ja nõudeid ujuvilpüsimisele ümberpööratud asendis. Standardi ISO 12217 see osa ei kohaldu järgneva suhtes: — standardiga ISO 6185 hõlmatud täispuhutavad ja jäiga konstruktsiooniga täispuhutavad paadid, välja arvatud standardis ISO 6185 esitatud viited standardi ISO 12217 erijaotistele; — gondlid ja vesijalgrattad; — lainelaud, sealhulgas lainelaud; ja — tiiburlaevad ja allveetiivaga laevad, kui neid ei käitata veeväljasurvelisel režiimil. MÄRKUS Veeväljasurvelise ujuvuse faas tähendab, et laeva toetavad ainult hüdrostaatilised jõud. See ei hõlma ega hinda mõju stabiilsusele pukseerimis-, püügi-, süvendamis- või tõstetoimingutel, mida tuleb vajaduse korral arvesse võtta eraldi.

Keel: et
Alusdokumendid: ISO 12217-2:2015; EN ISO 12217-2:2017

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN ISO 12217-3:2017

Väikelaevad. Stabiilsuse ja ujuvuse hindamine ja klassifitseerimine. Osa 3: Laevad, mille kere pikkus on väiksem kui 6 m

Standardi ISO 12217 selles osas on sätestatud meetodid tervete (st kahjustamata) laevade stabiilsuse ja ujuvuse hindamiseks. Arvesse on võetud ka uppumise suhtes tundlike laevade ujuvilpüsimise näitajaid. Stabiilsuse ja ujuvuse näitajate hindamine standardi ISO 12217 selle osa abil võimaldab määrata laeva konstruktsioonile ja maksimaalsele koormusele vastavasse konstruktsioonikategooriasse (C või D). Standardi ISO 12217 seda osa kohaldatakse inim- või mehaanilise jõuga liikuvate kuni 6 m kerepikkusega laevade, välja arvatud elamiskõlblike mitmekereliste purjelaevade suhtes. Alla 6 m kerepikkusega laevade puhul, mis on varustatud standardile ISO 11812 vastava täisteki ja kiire äravooluga kokpitiga (kokpittidega), võib teise võimalusena hinnata standardi ISO 12217-1 või ISO 12217-2 alusel (vastavalt mitte purjelaevade ja purjelaevade puhul), millisel juhul võib määrata kõrgemad konstruktsioonikategooriad. Elamiskõlblike mitmekereliste laevade puhul hõlmab standardi ISO 12217 see osa ümbermineku riski hindamist, toimiva varuväljapääsu määratlemist ja nõudeid ujuvilpüsimisele ümberpööratud asendis. Standardi ISO 12217 see osa ei kohaldu järgneva suhtes: — standardiga ISO 6185 hõlmatud täispuhutavad ja jäiga konstruktsiooniga täispuhutavad paadid, välja arvatud standardis ISO 6185 esitatud viited standardi ISO 12217 erijaotistele; — standardiga ISO 13590 hõlmatud jetid ja muud sarnased energiaallikaga varustatud veesõidukid; — veemänguasjad; — kanuud ja kajakid; — gondlid ja vesijalgrattad; — purjelauad; — lainelauad, sealhulgas mootoriga lainelauad; — tiiburlaevad, allveetiivaga laevad ja hõljuklaevad, kui neid ei käitata veeväljasurvelise ujuvuse faasis; ja — allvee veesõidukid. MÄRKUS Veeväljasurvelise ujuvuse faas tähendab, et laeva toetavad ainult hüdrostaatilised jõud. See ei hõlma ega hinda mõju stabiilsusele pukseerimis-, püügi-, süvendamis- või tõstetoimingutel, mida tuleb vajaduse korral arvesse võtta eraldi.

Keel: et
Alusdokumendid: ISO 12217-3:2015; EN ISO 12217-3:2017

Kommenteerimise lõppkuupäev: 14.11.2023

EVS-EN ISO 14044:2006+A1+A2:2020

Keskkonnakorraldus. Olelusringi hindamine. Nõuded ja kasutusjuhised

See rahvusvaheline standard kirjeldab olelusringi hindamise (LCA) põhimõtteid ja raamistikku, hõlmates a) LCA eesmärgi ja käsitlusala määratlemist, b) olelusringi inventuuranalüüsi (LCI), c) olelusringi mõju hindamist (LCIA), d) olelusringi mõju tõlgendamist, e) LCA aruandlust ja kriitilist ülevaatust, f) LCA piiranguid, g) LCA etappide seoseid ning h) väärtushinnangute ja vabatahtlike elementide kasutustingimusi. See rahvusvaheline standard katab nii olelusringi hindamise uuringuid (LCA) kui ka olelusringi inventuuruuringuid (LCI). LCA ja LCI tulemuste plaanitav kasutusala täpsustatakse eesmärgi ja käsitlusala määratlemisel, kuid uuringu kasutus kui selline on väljaspool selle rahvusvahelise standardi käsitlusala. See rahvusvaheline standard ei ole mõeldud kasutamiseks lepinguna või õigusaktina ega registreerimiseks ja sertifitseerimiseks.

Keel: et
Alusdokumendid: ISO 14044:2006; EN ISO 14044:2006; ISO 14044:2006/Amd 1:2017; EN ISO 14044:2006/A1:2018; ISO 14044:2006/Amd 2:2020; EN ISO 14044:2006/A2:2020

Kommenteerimise lõppkuupäev: 14.11.2023

prEN 10088-2

Roostevabad terased. Osa 2: Üldotstarbeliste korrosioonikindlatest terastest valmistatud lehtede/plaatide ja ribade tehnilised tarnetingimused

See dokument spetsifitseerib tehnilised tarnetingimused üldotstarbelistele standard- ja spetsiaalklasside korrosioonikindlatest roostevabadest terastest kuum- või külmvaltsitud lehtedele/plaatidele ja ribadele. MÄRKUS Üldotstarbelisus sisaldab roostevabade teraste kasutamist kontaktis toiduainetega. Üldised tehnilised tarnetingimused, mis on spetsifitseeritud standardis EN 10021, rakenduvad lisaks selle dokumendi spetsifikatsioonidele, kui selles dokumendis ei ole teisiti määratud. See dokument ei kehti komponentidele, mis on valmistatud ülaltoodud tootevormide edasisel töötlemisel ja mille kvaliteediomadused on sellise edasise töötlemise tulemusena muutunud.

Keel: et
Alusdokumendid: prEN 10088-2

Kommenteerimise lõppkuupäev: 14.11.2023

prEN 10088-3

Roostevabad terased Osa 3: Üldotstarbeliste korrosioonikindlatest terastest pooltoodete, varraste, valtstraadi, tõmmatud traadi, profiilide ja haljastoodete tehnilised tarnetingimused

See dokument spetsifitseerib tehnilised tarnetingimused korrosioonikindlatest terastest üldotstarbeliseks kasutuseks mõeldud pooltoodetele, kuum- või külmvormitud standard- ja spetsiaalklassidest varrastele, valtstraadile, tõmmatud traadile, profiilidele ja haljastoodetele. MÄRKUS Üldotstarbelisus sisaldab roostevabade teraste kasutamist kontaktis toiduainetega. Üldised tehnilised tarnetingimused, mis on spetsifitseeritud standardis EN 10021, rakenduvad lisaks selle dokumendi spetsifikatsioonidele, kui selles dokumendis ei ole teisiti määratud. See dokument ei kehti komponentidele, mis on valmistatud ülaltoodud tootevormide edasisel töötlemisel ja mille kvaliteediomadused on sellise edasise töötlemise tulemusena muutunud.

Keel: et
Alusdokumendid: prEN 10088-3

Kommenteerimise lõppkuupäev: 14.11.2023

prEN 12390-6

Kivistunud betooni katsetamine. Osa 6: Katsekehade lõhestustõmbetugevus

See dokument spetsifitseerib kivistunud betoonkatsekehade lõhestustõmbetugevuse määramise meetodi. Referentskatsekehadeks on valatud silindrilised katsekehad. Sellel meetodil saab katsetada ka vähemalt 75 mm läbimõõduga puursüdamikke, mis vastavad standardi EN 12504-1 nõuetele. Kuubi- või prismakujuliste katsekehade kasutamist käsitletakse lisas A.

Keel: et
Alusdokumendid: prEN 12390-6

Kommenteerimise lõppkuupäev: 14.11.2023

prEN 1594

Gaasitaristu. Torustikud maksimaalse töörõhuga üle 16 bar. Talitluslikud nõuded

Selles dokumendis kirjeldatakse talitluslikke nõudeid torustikele maksimaalse töörõhuga üle 16 bar. Lisaks kirjeldatakse selles dokumendis mehaaniliste omaduste nõudeid jaamades paiknevatele torustikele maksimaalse töörõhuga üle 16 bar. MÄRKUS Keevitusnõudeid on kirjeldatud standardis EN 12732. Jaamade talitluslikud nõuded on toodud standardites EN 1776, EN 1918-5, EN 12186 ja EN 12583. See dokument on kohaldatav gaasi transportimisel, kui kasutatakse maismaal asuvat terasest valmistatud kõrgrõhu torustiku, mille korral kehtivad järgmised tingimused: — maismaa: • alates kohast, kus torustik lõikub esmakordselt punktiga, mida üldiselt tunnustatakse maismaal asuva osa ja meres asuva osa vastutusalade piirina ning see ei paikne äri- või tööstusettevõtete territooriumil tootmisprotsessi lahutamatu osana, kusjuures erandiks on kõik selliste ettevõtete gaasivarustuseks vajalikud torustikud ja rajatised; • maismaal paikneva alguspunktiga torustik, ka siis kui maismaal paikneva torustiku osad läbivad või ületavad fjorde, järvi jms. — kõrgrõhk: gaas maksimaalse töörõhuga üle 16 bar ning arvutustemperatuuriga vahemikus −40 °C kuni 120 °C. — terastorustik: taristu, mis koosneb torustiku komponentidest, näiteks torudest, kraanidest, liitmikest ja muudest seadmetest, kusjuures komponendid on valmistatud legeerimata või madallegeeritud terasest ning ühendatud keevisõmbluste, äärikute või mehaaniliste liitmikega. — gaas: mittesöövitav maagaas, biometaangaas, vesinikgaas ja nende gaaside segud, kui tehnilise hindamise käigus on tuvastatud, et töötingimused või gaasi koostisosad või omadused ei mõjuta torustiku ohutut talitlust. Selles dokumendis käsitletav gaasitaristu algab pärast gaasitootja gaasimõõtejaama. MÄRKUS 2 Torustiku talitluslik piir paikneb tavaliselt vahetult pärast paigaldise esimest lahutuskraani, kuid võib olenevalt olukorrast erineda. Torustiku talitluslik piir paikneb tavaliselt paigaldise esimesel lahutuskraanil, kuid võib olenevalt olukorrast erineda. Gaasitaristu torustikke on kujutatud skemaatiliselt joonisel 1. Seda dokumenti võib kohaldada ka olemasolevate torustike ümberehitamisel. Selles dokumendis on määratletud gaasitaristu üldised põhimõtted. Selle standardi kasutajad peaksid arvestama, et CEN-i liikmesriikides võivad kehtida üksikasjalikumad riiklikud standardid ja/või tegevusjuhised. See dokument on mõeldud rakendamiseks koos nimetatud riiklike standardite ja/või tegevusjuhistega, milles on sätestatud eespool mainitud põhimõtted. Vastuolude korral, mis puudutavad riiklikes õigusaktides/eeskirjades sätestatud rangemaid nõudeid võrreldes selle standardi nõuetega, tuleb juhinduda riiklike õigusaktide/eeskirjade nõuetest, nagu märgitud dokumendis CEN/TR 13737. CEN/TR 13737 sätestab: — kõigi liikmesriigis kohaldatavate õigusaktide/eeskirjade selgituse; — vajaduse korral rangemad riiklikud nõuded; — riikliku kontaktpunkti kõige uuema teabe saamiseks.

Keel: et
Alusdokumendid: prEN 1594

Kommenteerimise lõppkuupäev: 14.11.2023

prEN 16035

Akna- ja uksetarvikute toimivuse infoleht (HPS). Tule ja/või suitsu tõkestamiseks kasutatavate uste ja/või avatavate akende tarvikute võrdlemist võimaldavate katseandmete identifitseerimine ning kokkuvõte

See dokument võtab akna- ja uksetarvikute toimivuse infolehe (HPS) vormingus kokku asjakohased tulemused ja klassifikatsioonid hoone akna- ja uksetarvikute tulepüsivuse, suitsutõkke ja sellega seotud vastupidavuse katsetest. See dokument annab juhised ja nõuded minimaalsete nõutud andmete kohta, mis on vajalikud EXAP-aruannete ettevalmistamise baasiks ehitise tule- ja/või suitsukindlate uste ja avatavate akende tarvikute vahetatavuse kohta. See dokument määratleb ehitise tule- ja/või suitsukindlate uste ja avatavate akende tarvikute toimivuskarakteristikud ja nõuded, mis võib leida vastavatest tootestandarditest.

Keel: et
Alusdokumendid: prEN 16035

Kommenteerimise lõppkuupäev: 14.11.2023

prEN ISO 9862

Geosünteedid. Proovide võtmine ja katsekehade ettevalmistamine

See dokument määratleb üldpõhimõtted ehitusplatsile tarnitud geosünteetidest proovide võtmiseks ning proovidest katsekehade ettevalmistamiseks. Proovide võtmise põhimõtted on rakendatavad rullides või laiendatavate sektsioonide/paneelidena tarnitud geosünteetidele. MÄRKUS Lehtedena tarnitavate toodetele võib rakendada standardit ISO 186. Katsekehade ettevalmistamise põhimõtted on rakendatavad kõikidele geosünteetidele.

Keel: et
Alusdokumendid: ISO/DIS 9862; prEN ISO 9862

Kommenteerimise lõppkuupäev: 14.11.2023

prEVS-HD 60364-7-716

Madalpingelised elektripaigaldised.Osa 7-716: Nõuded eripaigaldistele või –kohtadele – Väikepingeline alalisvoolujaotus info- ja sidetehnika kaablitaristu kaudu

Standardi IEC 60364 see osa määrab kindlaks nõuded elektripaigaldistele väikepingelise alalisvoolu jaotamiseks, kasutades sümmeetrilisi sidekaableid ja peamiselt andmeedastuseks mõeldud tarvikuid, nagu on määratletud standardi ISO/IEC 11801-1 kanalite kategooriana, kasutades toiteallikana standardile IEC 62368-3 vastavaid seadmeid. Lisatud on nõuded telekommunikatsioonitaristu projekteerimisele, püstitamisele ja kontrollimisele nii telekommunikatsiooni kui ka väikepingelise alalisvoolu jaotamise eesmärgil. Täiendavalt on lisatud nõuded olemasoleva telekommunikatsioonitaristu kasutamisele väikepingelise alalisvoolu jaotamiseks. Toiteedastussüsteemid hõlmavad, kuid ei ole nendega piiratud, standardiga IEEE 802.3 määratletud Etherneti toiteedastussüsteeme (Power over Ethernet). See dokument ei kehti kaablite ja tarvikute kasutamise kohta tuumik- ja juurdepääsuvõrkudes, näiteks privaatjaamades (private branch exchange, PBX).

Keel: et
Alusdokumendid: IEC 60364-7-716:2023; HD 60364-7-716:2023

Kommenteerimise lõppkuupäev: 14.11.2023

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 875-7:2016

Vara hindamine. Osa 7: Hinnangu läbivaatus
Property valuation - Part 7: Reviewing of valuations

Standardisari EVS 875 käsitleb vara hindamist. Standardite kasutusalad on vara hindamise ja hinnangute kasutamisega seotud tegevused, eelkõige laenutagatiste ja finantsaruandlusega seotud tegevused. Standardite kasutajad on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediidiasutused, kõrgemad õppeasutused. Standardisari loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi. See Eesti standard on standardisarja EVS 875 „Vara hindamine“ osa, milles käsitletakse hinnangu läbivaatamise eesmärke, liike, protseduuri, hinnangu läbivaataja pädevust ja seost hindamise heade tavadega. Tegemist on standardi EVS 875-7:2011 „Vara hindamine. Osa 7: Hinnangu läbivaatus“ uustöötlusega.

Kehtima jätmise alus: EVS/TK 36 otsus 20.07.2023 2-5/41, teade pikendamisküsitlusest 01.08.2023 EVS Teatajas ja EVS/TK 36 19.09.2023 koosoleku protokoll 2-8/91.

EVS 875-8:2018

Vara hindamine. Osa 8: Kulu- ja jäägimeetod
Property Valuation - Part 8: Cost and Residual Approach

Standardisari EVS 875 käsitleb vara hindamist. Standardite kasutusalad on vara hindamise ja hinnangute kasutamisega seotud tegevused, eelkõige laenutagatiste ja finantsaruandlusega seotud tegevused. Standardite kasutajad on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediidiasutused, kõrgemad õppeasutused. Standardisari loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi. See Eesti standard käsitleb kulumeetodi kasutamise eesmärke ja võimalusi ning maa ja ehitiste hindamist kulumeetodil. Sellesse standardisse on lisatud meetodite kombinatsioonide ja jäägimeetodi käsitlus, millel on mh tihe seos kulumeetodiga ja mille käsitlemine eraldi standardis ei ole mõistlik.

Kehtima jätmise alus: EVS/TK 36 otsus 20.07.2023 2-5/41, teade pikendamisküsitlusest 01.08.2023 EVS Teatajas ja EVS/TK 36 19.09.2023 koosoleku protokoll 2-8/91

EVS 875-9:2018

Vara hindamine. Osa 9: Tulumeetod
Property valuation - Part 9: Income Approach

Standardisari EVS 875 käsitleb vara hindamist. Standardite kasutusalad on vara hindamise ja hinnangute kasutamisega seotud tegevused, eelkõige laenutagatiste ja finantsaruandlusega seotud tegevused. Standardite kasutajad on vara hindajad, kinnisvaraspetsialistid, ehitusspetsialistid, keskkonnaspetsialistid, finantsaruandlusega tegelevad spetsialistid (raamatupidajad, audiitorid), krediidiasutused, kõrgemad õppeasutused. Standardisari loob aluse vara hindamise ühtsele käsitlusele, rahuldades nii era- kui ka avaliku sektori vajadusi. Selles Eesti standardis käsitletakse tulumeetodi kasutamise eesmärke ja võimalusi kinnisvara hindamisel ja investeeringute analüüsil.

Kehtima jätmise alus: EVS/TK 36 otsus 20.07.2023 2-5/41, teade pikendamisküsitlusest 01.08.2023 EVS Teatajas ja EVS/TK 36 19.09.2023 koosoleku protokoll 2-8/91

EVS 917:2013

Meditsiinilised survesukad
Medical compression hosiery

See standard kehtestab nõuded survesukkadele, mida kasutatakse jalaveenide ja lümfisoonte haiguste puhul ja mis on valmistatud looduslikest ja sünteetilistest niitidest kombinatsioonis kõrgelastsete niitidega. Standardi nõuded ei kehti profülaktilistele survesukkadele.

Kehtima jätmise alus: EVS/TK 11 otsus 18.08.2023 2-5/44

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 125100:2008

Sectional Specification: Magnetic oxide cores for inductor applications

This section specification prescribes the characteristics. Ratings and inspection requirements for magnetic cores of assessed quality. Such cores, intended for inductors and transformers in tuned circuits for professional and industrial applications, consist of at least two parts forming a substantially closesd magnetic circuite.

Keel: en
Alusdokumendid: EN 125100:1991
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 125200:2003

Sectional specification: Magnetic oxide cores for linear transformers

This sectional specification lists the characteristics, ratings and inspection requirements for magnetic cores of assessed quality for linear transformers intended for professional and industrial applications, excluding power, blocking and tuned transformers. It selects from the generic specification CECC 25 000 the appropriate methods of test to be used in detail specifications derived from this specification

Keel: en
Alusdokumendid: EN 125200:1991
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 125400:2003

Sectional specifications: Adjusters used with magnetic oxide cores for use in inductors and tuned transformers.

This SS prescribes the characteristics and inspection requirements for adjusters of assessed quality for use with magnetic oxide (ferrite) cores intended for inductors and transformers in tuned circuits for professional and industrial applications

Keel: en
Alusdokumendid: EN 125400:1991
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 125401:2003

Blank Detail Specification: Adjusters used with magnetic oxide (ferrite) cores for use in inductors and tuned transformers

No scope available.

Keel: en
Alusdokumendid: EN 125401:1991
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 125500:2002

Sectional Specification : Magnetic oxide ring cores for interference suppression and low level signal transformer applications

This sectional specification prescribes the characteristics, ratings and inspection requirements of assessed quality for ring cores made of soft magnetic oxides and iron powders. Such cores are intended for chokes for interference suppression and also for low level signal transformers for professional and industrial application .

Keel: en
Alusdokumendid: EN 125500:1996
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 16836-1:2016

Communication systems for meters - Wireless mesh networking for meter data exchange - Part 1: Introduction and standardization framework

This European Standard gives the standardization framework of communication systems applicable to the exchange of data from metering devices to other devices within a mesh network. This European Standard specifies how to interpret prEN 16836-2:2015 and prEN 16836-3:2015 which give a list of references to the ZigBee documents. This series is applicable to communications systems that involve messages and networking between a meter or multiple meters and other devices in a mesh network, such as in home displays (IHDs) and communications hubs. This European Standard allows routing between devices and also allows channel agility to avoid contention with other networks of the same type, or indeed networks of other types operating in the same

frequency bands. This European Standard is designed to support low power communications for devices such as gas and water meters which can make data from such devices available on the mesh network at any time through a proxy capability within a permanently powered device.

Keel: en
Alusdokumendid: ZigBee Specification - 05-3474 Rev 20; EN 16836-1:2016
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 16836-2:2016

Communication systems for meters - Wireless mesh networking for meter data exchange - Part 2: Networking layer and stack specification

This European Standard specifies the medium access control/physical layer MAC/PHY and networking layer of a communication protocol for the exchange of data from metering devices to other devices within a mesh network. The referenced documents in this European Standard contain specifications, interface descriptions, object descriptions, protocols and algorithms pertaining to this protocol standard, the device objects, device profile, the application framework, the network layer, and security services. They are referenced in their entirety for reasons of backwards compatibility and interoperability with products in the field currently using this technology.

Keel: en
Alusdokumendid: ZigBee Specification - 05-3474 Rev 20; EN 16836-2:2016
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 16836-3:2016

Communication systems for meters - Wireless mesh networking for meter data exchange - Part 3: Energy profile specification dedicated application layer

This European Standard specifies the application layer of a communication protocol for the exchange of data from metering devices to other devices within a mesh network. This European Standard makes reference to a number of documents whereby core requirements are specified. This referencing is in compliance with the Bridge Consortium and additionally the Memorandum of Understanding between the ZigBee Alliance and CEN/CENELEC. The EN 16836 series represents a feature subset of a larger standard and as such not all of the features specified in the referenced documents are specified in this standard, due to some features being outside the scope of CEN/TC 294. Where this is the case the out of scope feature has either been omitted or specified as excluded.

Keel: en
Alusdokumendid: ZigBee Specification - 05-3474 Rev 20; EN 16836-3:2016
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 175500:2002

Sectional specification: Cable outlet accessories for connectors, including qualification approval and capability approval

This Sectional Specification (SS) is applicable to cable outlet accessories for connectors. It shall be used in conjunction with the relevant Detail Specification (DS). The object of this SS is to establish uniform specifications, type test requirements and quality assessement procedures for cable outlet accessories and to establish rules for the preparation of detail specifications for cable outlet accessories of assessed quality.

Keel: en
Alusdokumendid: EN 175500:1997
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 2309:2000

Lennunduse ja kosmonautika seeria. Avade suurused umbneetidele
Aerospace series - Hole sizes for solid rivets

Standard määrab kindlaks avade suurused umbneetidele külmneetimisel ning on rakendatav kõigi materjalide korral. See on rakendatav kõigile EN seeria umbneetidele. Käesoleva standardi otstarve on neediavade valmistamisel kasutatavate eri puuride ja korkkaliibrite hulga vähendamine ning kokkusobivuse tagamine lennunduse- ja kosmonautikaotstarbeliste neetliidete teostamisel.

Keel: en
Alusdokumendid: EN 2309:1988
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3148:2008

Aerospace series - Shank nuts, self-locking, flange restrained - Installation procedure

This process standard details the installation of shank nuts to EN 2910 and EN 2911 in engine components. It applies to flange restrained shank nuts and shall be observed whenever invoked in drawings and working documents. It is to ensure proper installation for adequate retention of the shank nuts and freedom from damage to the components involved.

Keel: en
Alusdokumendid: EN 3148:2008
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3149:2000

Lennunduse ja kosmonautika seeria. Säärmutrid. Paigaldusavad, 60° kinnipressimine, äärikud. Konstruktsioonistandard
Aerospace series - Shank nuts - Installation holes, 60° swage, flanges - Design standard

Käesolev standard määrab kindlaks paigaldusavade mõõtmed EN standardiseeritud, 60° kinnipressitavatele säärmutritele ja äärikukomponentide asjakohased funktsionaalmõõtmed; lennunduse ja kosmonautika rakendusteks.

Keel: en
Alusdokumendid: EN 3149:1996
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3201:2008

Aerospace series - Holes for metric threaded fasteners - Design standard

This standard provides particulars of hole sizes, chamfer dimensions and positional tolerances to suit metric threaded fasteners with nominal diameters of 3 mm to 20 mm.

Keel: en
Alusdokumendid: EN 3201:2008
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3202:2000

Lennunduse ja kosmonautika seeria. Avad ja pesad T-peapoltidele. Konstruktsioonistandard
Aerospace series - Holes and traps for T-head bolts - Design standard

Käesolev standard määrab kindlaks T-peapoltide jaoks avade ja pesade parameetrid ning peakuju EN standardite jaoks lennunduse ja kosmonautika rakendusteks.

Keel: en
Alusdokumendid: EN 3202:1995
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3611:2000

Lennunduse ja kosmonautika seeria. Eendid. Mõõtmed ja istude valik. Konstruktsioonistandard
Aerospace series - Spigots - Dimensions and fit selection - Design standard

Käesolev standard määrab kindlaks pinguga eendite mõõtmed ja istude valiku katete ja muude põhiliste komponentide kohaldamiseks lennunduse ja kosmonautika otstarbel.

Keel: en
Alusdokumendid: EN 3611:1995
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3612:2000

Lennunduse ja kosmonautika seeria. Väljajooksusooned liistusüvistele. Konstruktsioonistandard
Aerospace series - Undercuts for splines - Design standard

Käesolev standard määrab kindlaks väljajooksusooned laastu eemaldumiseks ja tera väljajooksuks liistusüviste valmistamisel tõukamise teel.

Keel: en
Alusdokumendid: EN 3612:1996
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3781:2008

Aerospace series - Grooves for spiral wound retaining rings - Design standard

This standard defines the groove dimensions for retaining rings. It is applicable for rings as per MA4016 for use on external grooves and rings as per MA4017 for use on internal grooves.

Keel: en
Alusdokumendid: EN 3781:2008
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3782:2008

Aerospace series - Holes for 100° countersunk head screws - Design standard

This standard specifies holes in common parts and sheet metal for 100° countersunk head screws with nominal diameters of 3 mm to 5 mm and head configuration according to EN standards for aerospace applications.

Keel: en
Alusdokumendid: EN 3782:2008
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 3819:2008

Aerospace series - Clearance for wrenches and sockets

This standard defines the minimum clearance area required around nuts and bolt heads when using either double hexagon box or socket wrenches defined in AECMA standard.

Keel: en
Alusdokumendid: EN 3819:2008
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 4108:2007

Aerospace series - Wrenches, crow foot, attachment socket, socket drive

This standard specifies the characteristics of crow foot wrenches for splined nuts for aerospace applications.

Keel: en
Alusdokumendid: EN 4108:2006
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 4109:2007

Aerospace series - Wrenches, face spanner

This standard specifies the characteristics of spanner face wrenches for splined nuts for aerospace applications.

Keel: en
Alusdokumendid: EN 4109:2006
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 4110:2007

Aerospace series - Wrenches, open end, box

This standard specifies the characteristics of open end box wrenches for splined nuts for aerospace applications.

Keel: en
Alusdokumendid: EN 4110:2006
Tühistamisküsitluse lõppkuupäev: 14.11.2023

EVS-EN 61558-2-16:2010

Pingele kuni 1100 V ettenähtud transformaatorite, reaktorite, energiavarustusüksuste ja muude taoliste seadmete ohutus. Osa 2-16: Erinõuded ja katsetusviisid lülitatavatele energiavarustusüksustele ja nende jaoks ettenähtud trafodele
Safety of transformers, reactors, power supply units and similar products for voltages up to 1100 V -- Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units

This part of IEC 61558 deals with the safety of switch mode power supply units and transformers for switch mode power supply units. Transformers incorporating electronic circuits are also covered by this standard.

Keel: en
Alusdokumendid: IEC 61558-2-16:2009; EN 61558-2-16:2009
Tühistamisküsitluse lõppkuupäev: 14.11.2023

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 IEC 61557-7:2022/A1:2023

Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence

Eeldatav avaldamise aeg Eesti standardina 12.2023

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 840:2023

Juhised radoonikaitse meetmete kasutamiseks uutes ja olemasolevates hoonetes
Guidance for radon-protective measures for new and existing buildings

Selles Eesti standardis antakse projekteerijatele ja ehitajatele juhised radooniohutu hoone ehitamiseks, et vältida kopsuvähki haigestumise riski suurendava radooni asjakohases õigusaktis toodud taseme ületamist ruumides, kus inimesed pikemat aega viibivad. Standardis on esitatud valik radooniohu vähendamise meetmeid. Tuleb arvestada, et see loetelu ja lahendused pole lõplikud ning lisaks võib radooniohutuse tagada ka muude lahendustega, mille toimivust on uuritud ja dokumenteeritult tõestatud. Arvestades objekti eripärasid ning kasutusele võetavate ruumide eesmärki, tuleb projekteerimisel ja ehitamisel läheneda juhtumipõhiselt.

EVS-EN 13535:2001

Väetised ja lubiained. Klassifikatsioon
Fertilizers and liming materials - Classification

Käesolev Euroopa standard kehtestab väetiste ja lubiainete klassifitseerimisskeemi.

EVS-EN 15085-1:2023

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 1: Üldnõuded
Railway applications - Welding of railway vehicles and components - Part 1: General

See dokument määratleb terminid raudteeveeremi ja sellega seotud komponentide keevitamise valdkonnas. See dokument on rakendatav kõikide koostude, alamkoostude või osade kohta, mis on keevitatud mis tahes keevitusprotsessiga, kas käsitsi, osaliselt mehhaniseeritud, täielikult mehhaniseeritud või automaatse keevitamise teel, nagu on määratletud standardis EN ISO 4063.

EVS-EN 15085-5:2023

Raudteealased rakendused. Raudteeveeremi ja veeremidetailide keevitamine. Osa 5: Kontrollimine, katsetamine ja dokumenteerimine
Railway applications - Welding of railway vehicles and components - Part 5: Inspection, testing and documentation

See dokument määratleb — keevisõmbluste kontrollimise ja katsetamise; — teostatavad purustavad ja mittepurustavad katsed; — vajalikud dokumendid, mis on vaja väljastada toodete vastavuse kinnitamiseks.

EVS-EN 50110-1:2023

Elektripaigaldiste käit. Osa 1: Üldnõuded
Operation of electrical installations - Part 1: General requirements

See standard kehtib elektripaigaldiste käidul ja elektripaigaldistes, nende juures või lähedal sooritatavate kõigi töötoimingute kohta. Siia kuuluvad paigaldised, mis talitlevad pingetasemetel alates väikepingest kuni kõrgepingeni. Viimane termin hõlmab ka neid pingetasemeid, mida tavaliselt nimetatakse keskpingeks ja ülikõrgepingeks. Nimetatud elektripaigaldised on ette nähtud elektrienergia tootmiseks, edastamiseks, muundamiseks, jaotamiseks ja kasutamiseks. Mõned nendest (nt tööstusettevõtete ja asutuste elektrijaotuspaigaldised) on kestevtoimelised ja kohtkindlad, teised (nt ehitusplatsidel) on ajutised, kolmandad aga liikuvad või teisaldatavad kas pingestatud olekus või pinge- ja laenguvabadena (nt elektriajamiga kaevandusmasinad karjäärides ja avasöekaevandustes). See standard sätestab elektripaigaldiste ohutu käidu ja elektripaigaldistes, nende juures või lähedal sooritatavate töötoimingute ohutusnõuded. Need nõuded kehtivad operatiiv-, töö- ja hooldetoimingute kohta. Need kehtivad ka kõigi nii mitteelektritööde (nt õhu- või kaabelliinide läheduses tehtavate ehitustööde) kui ka elektritööde kohta, kui on tegemist elektrilise ohuga. See standard ei laiene paigaldisi ja seadmeid kasutavatele tavaisikutele, kui paigaldised ja seadmed on projekteeritud ja paigaldatud sellistena, et neid võivad kasutada tavaisikud ning et nad vastavad sellekohaste standardite nõuetele. See standard ei ole spetsiaalselt mõeldud kohaldamiseks allpool loetletud elektripaigaldistele. Kui aga ei ole muid juhiseid ega töötamisreegleid, võib selle standardi põhimõtteid rakendada ka — mis tahes omal jõul liikuvatele õhu- või hõljuksõidukitele (need alluvad rahvusvahelistele lennundusnõuetele, mis on sel juhul riigisiseste nõuete ees ülimuslikud); — mis tahes omal jõul liikuvatele või veetavatele meresõidukitele (need alluvad rahvusvahelistele merendusnõuetele, mis on sel juhul riigisiseste nõuete ees ülimuslikud); — elektroonilistele telekommunikatsiooni- ja infosüsteemidele; — elektronaparatuuril põhinevatele mõõte-, juhtimis- ja automaatikasüsteemidele; — söe- jm kaevandustele; — rahvusvahelistele merendusnõuetele alluvatele avamerepaigaldistele; — sõidukitele; — elekterveosüsteemidele; — elektrialastele eksperimentaaluurimispaigaldistele.

EVS-EN IEC 61439-5:2023

Madalpingelised aparaadikoosted. Osa 5: Avalike elektrivõrkude elektrijaotuskoosted
Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2023)

See dokument määratleb erinõuded avaliku elektrivõrgu elektrijaotuskoostetele (public electricity network distribution assemblies, PENDA-d). Avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kriteeriumid on järgmised: — neid kasutatakse elektrienergia jaotamiseks kolmefaasilistes süsteemides, mille nimipinge ei ületa 1000 V vahelduvvoolu (tüüpilise jaotusvõrgu puhul vt joonis 101), ja alalisvoolusüsteemides, mille alalispinge ei ületa 1500 V; — need on kohtkindlad; — selle dokumendi järgi ei kuulu nende hulka lahtised koosted; — need sobivad paigaldamiseks kohtadesse, kuhu on ligipääs vaid elektrialaisikutel, kuid välioludes kasutatavaid jaotuskoosteid saab paigaldada ka tavaisikutele ligipääsetavalt: • on ettenähtud kasutamiseks avalikes elektrivõrkudes energia jaotamisel; • siseolude puhul paigaldatakse koosted elektrialajaamadesse; • väliolude puhul kasutatakse koosteid, mille ümbris sobib välitingimustes paigaldamiseks. Selle dokumendi eesmärk on esitada terminid ja määratlused ning täpsustada avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kasutustingimused, ehitusnõuded, tehnilised omadused ja katsetused. Mõned võrgu parameetrid võivad nõuda katsetusi kõrgematel sooritustasemetel. Avaliku elektrivõrgu elektrijaotuskoosted (PENDA-d) võivad sisaldada ka elektrienergia jaotusega seotud juhtimis- ja/või signalisatsiooniseadmeid. MÄRKUS 1 Juhtimis- ja seireseadmeid saab kasutada tarkvõrgu rakendustes või tarkvõrgu andmete edastamisel. See dokument kehtib kõigi avaliku elektrivõrgu elektrijaotuskoostete (PENDA-de) kohta, olenemata sellest, kas need on projekteeritud, valmistatud ühekordselt või täielikult standardiseeritud ja toodetud hulgi koguses. Tootmist ja/või kokkupanekut võib teostada muul viisil kui algse tootja poolt (vt standardi IEC 61439-1:2020 termin 3.10.1). See dokument ei kehti üksikute seadmete ja eraldiseisvate komponentide kohta, nagu mootorikäivitid, sulavkaitse-lülitid, elektroonikaseadmed jne, mis vastavad asjakohastele tootestandarditele. Kui alajaam kuulub avaliku jaotusvõrgu operaatori (distribution system operaator, DSO) omandisse või haldusesse, kuuluvad trafoalajaamades madalpinge jaotusseadmes kasutatavad avaliku elektrivõrgu elektrijaotuskoosted (PENDA-d) selle dokumendi käsitlusalasse. See dokument ei kehti teatud tüüpi koostete kohta, mis on hõlmatud standardisarja IEC 61439 muude osadega. Joonis 101 — Tüüpiline jaotusvõrk MÄRKUS 2 Kui avaliku elektrivõrgu elektrijaotuskooste (PENDA) on varustatud lisaseadmetega (näiteks arvestitega) sellisel viisil, et selle põhifunktsiooni on tunduvalt muudetud, võib kasutaja ja tootja kokkuleppe järgi rakendada ka muid standardeid (vt standardi IEC 61439-1:2020 jaotis 8.5). MÄRKUS 3 Kui kohalikud eeskirjad ja tavad lubavad, võib sellele dokumendile vastavat avaliku elektrivõrgu elektrijaotuskoostet (PENDA-t) kasutada ka mitteavalikes elektrivõrkudes. MÄRKUS 4 Jaotusvõrguettevõtjad (DSO-d) saavad oma avaliku elektrivõrgu elektrijaotuskoostetele (PENDA-dele) määratleda lisanõudeid.

EVS-EN IEC 62208:2023

Tühjad ümbrised madalpinge lülitus- ja juhtaparaadikoostetele. Üldnõuded
Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements (IEC 62208:2023)

See dokument kehtib ümbrise tootja esitatud tühjade ümbriste kohta, enne kui kooste tootja lülitus- ja juhtaparaatide komponendid paigaldab. See dokument määrab kindlaks lülitus- ja juhtaparaadikoostete osana kasutatavate ümbriste üldised määratlused, liigitused, omadused ja katsetusnõuded (nt sarja IEC 61439 tootestandardi kohaselt), kui nende nimipinge ei ületa 1000 V vahelduvvoolu või 1500 V alalisvoolu korral ja need sobivad üldkasutuseks nii sise- kui ka välisoludes. MÄRKUS 1 Teatud rakenduste puhul võivad kehtida lisanõuded. MÄRKUS 2 Sellele dokumendile vastavad tühjad ümbrised sobivad elektriliste komponentide paigaldamiseks. See dokument ei kehti ümbriste kohta, mida hõlmavad muud spetsiifilised tootestandardid (nt IEC 60670-24). Tühja ümbrise abil toodetud lõpptoote puhul vastutab kehtiva tootestandardi ohutusnõuete järgimise eest kooste tootja. MÄRKUS 3 See dokument võib pakkuda aluspõhimõtteid teistele tehnilistele komiteedele.

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 13535:2001	Fertilizers and liming materials - Classification	Väetised ja lubiained. Klassifikatsioon

UUED HARMONEERITUD STANDARDID

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

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

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

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

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

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

Info esitatakse vastavate õigusaktide kaupa.

Direktiiv 2014/53/EL
Raadioseadmed
Komisjoni rakendusotsus (EL) 2023/2392,
millega muudetakse rakendusotsust (EL) 2022/2191
(EL Teataja L-seeria 4.10.2023)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 301 908-1 V15.2.1:2023 IMT kärgsidesidevõrgud; Raadiospektrile juurdepääsu harmoneeritud standard; Osa 1. Sissejuhatus ja üldised nõuded versioon 15	04.10.2023	EN 301 908–1 V15.1.1	04.04.2025
EVS-EN 302 077 V2.3.1:2022 Digitaalse raadioringhäälingusüsteemi (DAB) raadiosaateseadmed; Raadiospektrile juurdepääsu harmoneeritud standard	04.10.2023	EN 302 077–2 V1.1.1	04.04.2025
EVS-EN 302 245 V2.2.1:2022 Digitaalse raadioringhäälingusüsteemi DRM raadiosaateseadmed; Raadiospektrile juurdepääsu harmoneeritud standard	04.10.2023	EN 302 245–2 V1.1.1	04.04.2025
EVS-EN 303 132 V2.1.1:2022 Digitaalselektiivset kutsungit (DSC klass M) kasutavad mereside VHF isikuotsingu raadiomajakad; Raadiospektrile juurdepääsu ja hädaabiteenistustele vajalike funktsioonide harmoneeritud standard	04.10.2023	EN 303 132 V1.1.1	04.04.2025
EVS-EN 303 980 V1.3.1:2022 Satellitside maajaamad ja süsteemid (SES); Saatesagedusel 11 GHz - 14 GHz mittegeostatsionaarorbiidil satelliidi-süsteemidega (NEST) suhtlevad statsionaarsed ja liikuvad maajaamad; Raadiospektrile juurdepääsu harmoneeritud standard	04.10.2023	EN 303 980 V1.2.1	04.04.2025
EVS-EN 303 981 V1.3.1:2022 Satelliitside maajaamad ja süsteemid (SES); Saatesagedusel 11 GHz - 14 GHz mittegeostatsionaarorbiidil laiaribaliste kosmoseside süsteemidega (WBES) suhtlevad statsionaarsed ja liikuvad maajaamad; Raadiospektrile juurdepääsu harmoneeritud standard	04.10.2023	EN 303 981 V1.2.1	04.04.2025