EVS Teataja

Avaldatud 01.12.2021

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 1406-0698

SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 10286:2021
Gas cylinders - Vocabulary (ISO 10286:2021)

This document defines terms for gas cylinders.

Keel: en
Alusdokumendid: ISO 10286:2021; EN ISO 10286:2021
Asendab dokumenti: EVS-EN ISO 10286:2015

EVS-EN ISO 2076:2021
Textiles - Man-made fibres - Generic names (ISO 2076:2021)

This document defines the generic names used to designate the different categories of man-made fibres, based on a main polymer, currently manufactured on an industrial scale for textile and other purposes, together with the distinguishing attributes that characterize them. The term “man-made fibres” has been adopted for those fibres obtained by a manufacturing process, as distinct from materials which occur naturally in fibrous form. This document gives recommendations of rules for the creation of the generic name (see Annex A). NOTE These rules have been introduced in the sixth edition of ISO 2076, and thus, they are not applicable to the existing generic names of the previous editions.

Keel: en
Alusdokumendid: ISO 2076:2021; EN ISO 2076:2021
Asendab dokumenti: EVS-EN ISO 2076:2013

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

CWA 17819:2021
Guidelines for the assessment of resilience of transport infrastructure to potentially disruptive events

This document is focused on the resilience of transport systems to specified events. It can be used by any organization that is interested in measuring resilience regardless of size or extent of infrastructure. As transport can occur on infrastructure of multiple types, the measures of service and resilience are also suitable for infrastructure enabling multi-modal transport. Considering the context of potentially disruptive events, this document is to be used to determine: — how to measure the service provided by, and the resilience of, transport infrastructure; — how to set service and resilience targets of transport infrastructure. This document includes: — the concepts of how service and resilience can be measured; — the concepts of how service and resilience targets can be set; — the steps to determine how to measure service and resilience; — the steps to set service and resilience targets. Even if the probability of occurrence of the event is required in the estimation of the system resilience to a specific event, this document provides no guidance as to how to estimate the probability of occurrence of these events. In such situations, this document is to be used to measure the resilience to discrete events whose probabilities of occurrence change over time. Along the same lines, this document is not a complete guideline as to how to conduct a risk assessment of a transport system, of which the resilience to specified events is a part. Instead, it can be used to assess the resilience with respect to the events that are defined in the risk assessment. This document points out that the assessment of resilience requires, either explicitly or implicitly the modelling of the transport system in space and time, which include the consideration of the interconnections between infrastructure components or between events, including cascading events. It does not, however, provide guidance as how to specifically model these, as the modelling required depends greatly on the specific situation being investigated. This document also points out that it is essential to define the service being provided by a transport system as a precursor to the assessment of resilience. It does not, however, impose requirements on the services to be considered nor the levels of precision required, as the services considered and the precision required depend greatly on the specific situation being investigated. For the same reasons, this document does not provide specific information on the organisational requirements to assess resilience, e.g. in terms of human resources, financial skills, partners, schedules or data sources. These requirements depend greatly on purpose of the resilience assessment and the amount of effort the organisation would like to invest, the detail of the resilience estimates they would like to have, and the type of the infrastructure and events to be investigated. Finally, although the use of expert opinion is recommended in this document in numerous places, no specific guidance is given to which of the plethora of tools and methods that exist should be used. The tools and methods that should be used must be determined on a case-by-case basis and special care is required to ensure their independence.

Keel: en
Alusdokumendid: CWA 17819:2021

EVS 914:2020/AC2:2021
Koristuse kvaliteedi kokku leppimine ja hindamine
System for establishing and assessing cleaning quality

Standardi EVS 914:2020 parandus

Keel: et
Parandab dokumenti: EVS 914:2020

11 TERVISEHOOLDUS

CEN ISO/TS 16775:2021

Packaging for terminally sterilized medical devices - Guidance on the application of ISO 11607-1 and ISO 11607-2 (ISO/TS 16775:2021)

This document provides guidance for the application of the requirements contained in ISO 11607-1 and ISO 11607-2. It does not add to, or otherwise change, the requirements of ISO 11607-1 and ISO 11607-2. This is an informative document, not normative. It does not include requirements to be used as basis of regulatory inspection or certification assessment activities. The guidance can be used to better understand the requirements of ISO 11607-1 and ISO 11607-2 and illustrates the variety of methods and approaches available for meeting the requirements of those International Standards. It is not required that this document be used to demonstrate conformity with them. Guidance is given for evaluation, selection and use of packaging materials, preformed sterile barrier systems, sterile barrier systems and packaging systems. Guidance on validation requirements for forming, sealing and assembly processes is also given. This document provides information for both healthcare facilities and the medical devices industry for terminally sterilized medical devices. This document does not provide guidance for applications of packaging materials and systems after their opening. In the use of packaging for other purposes such as a “sterile field” or transport of contaminated items, other regulatory standards will apply.

Keel: en
Alusdokumendid: CEN ISO/TS 16775:2021; ISO/TS 16775:2021
Asendab dokumenti: CEN ISO/TS 16775:2014

CEN/TS 14237:2021

Textiles for healthcare and social services facilities

This document recommends characteristics, test methods and minimum performance specifications for unused textile for the healthcare and social service facilities (hospitals, residential care homes, etc.) to give guidance on the suitability of products intended to be maintained by industrial laundering. This document is not applicable to surgical textiles under the Medical Devices Directive nor protective clothing under the PPE Directive.

Keel: en
Alusdokumendid: CEN/TS 14237:2021
Asendab dokumenti: CEN/TS 14237:2015

EVS-EN 13624:2021

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area - Test method and requirements (phase 2, step 1)

This document specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water, or - in the case of ready-to-use products - with water. Products can only be tested at a concentration of 80 % or less (97 % with a modified method for special cases) as some dilution is always produced by adding the test organisms and interfering substance. This document applies to products that are used in the medical area in the fields of hygienic handrub, hygienic handwash, surgical handrub, surgical handwash, instrument disinfection by immersion, and surface disinfection by wiping, spraying, flooding or other means. This document applies to areas and situations where disinfection or antisepsis is medically indicated. Such indications occur in patient care, for example: - in hospitals, in community medical facilities and in dental institutions; - in clinics of schools, of kindergartens and of nursing homes; and can occur in the workplace and in the home. It can also include services such as laundries and kitchens supplying products directly for the patients. NOTE 1 The method described is intended to determine the activity of commercial formulations or active substances under the conditions in which they are used. NOTE 2 This method corresponds to a phase 2 step 1 test. EN 14885 specifies in detail the relationship of the various tests to one another and to “use recommendations”.

Keel: en
Alusdokumendid: EN 13624:2021
Asendab dokumenti: EVS-EN 13624:2013

EVS-EN 62563-1:2010/A2:2021

Elektrilised meditsiiniseadmed. Meditsiinilised kuvasüsteemid. Osa 1: Hindamismeetodid Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods (IEC 62563-1:2009/AMD2:2021)

Standardi EN 62563-1:2010 muudatus

Keel: en, et
Alusdokumendid: IEC 62563-1:2009/AMD2:2021; EN 62563-1:2010/A2:2021
Muudab dokumenti: EVS-EN 62563-1:2010

EVS-EN 62563-1:2010+A1+A2:2021

Elektrilised meditsiiniseadmed. Meditsiinilised kuvasüsteemid. Osa 1: Hindamismeetodid Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods (IEC 62563-1:2009 + IEC 62563-1:2009/A1:2016 + IEC 62563-1:2009/AMD2:2021)

Standardi IEC 62563 selles osas kirjeldatakse hindamismeetodeid meditsiiniliste KUVASÜSTEEMIDE katsetamiseks. Selle rahvusvahelise standardi käsitlusala hõlmab praktilisi katseid, mis põhinevad visuaalsel hindamisel või esmaste testseadmetega

teostatud mõõtmistel. Nimetatud süsteemidel võib teha põhjalikumaid ja kvantitatiivsemaid mõõtmisi, kuid need jäävad selle dokumendi käsitlusalast välja. See standard on kohaldatav meditsiinilistele KUVASÜSTEEMIDELE, mis võivad kuvada pildiinfot hallskaala- ja värviKUVASÜSTEEMIDEL. See standard on kohaldatav meditsiinilistele KUVASÜSTEEMIDELE, mida kasutatakse diagnostika (meditsiiniliste piltide tõlgendamine kliinilise diagnoosi määramiseks) või vaatluse (meditsiiniliste kujutiste vaatlemine meditsiinilisel eesmärgil ilma meditsiinilise tõlgendamiseta) eesmärgil ja seega, mille puhul on olemas erinõuded pildikvaliteedile. Selle standardi käsitlusala ei kata peaskantavaid KUVASÜSTEEME ja KUVASÜSTEEME, mis on abiks positsioneerimisel ja süsteemi talitlemisel. Käeshoitavate KUVASÜSTEEMIDE korral võib vaja minna selles standardis kirjeldatud protseduuride täiendatud või muudetud versioone. Selle standardi käsitlusalasse ei kuulu vastavus- ja püsivuskatsete kriteeriumide või püsivuskatsete sageduste määratlemine.

Keel: en, et
Alusdokumendid: IEC 62563-1:2009; EN 62563-1:2010; IEC 62563-1:2009/A1:2016; EN 62563-1:2010/A1:2016; IEC 62563-1:2009/AMD2:2021; EN 62563-1:2009/A2:2021
Konsolideerib dokumenti: EVS-EN 62563-1:2010
Konsolideerib dokumenti: EVS-EN 62563-1:2010/A1:2016
Konsolideerib dokumenti: EVS-EN 62563-1:2010/A2:2021

EVS-EN ISO 7711-1:2021

Dentistry - Diamond rotary instruments - Part 1: General requirements (ISO 7711-1:2021)

This document specifies the general requirements and test methods for diamond rotary instruments used in dentistry, including designation, colour code and grit sizes and a quality control for these instruments. It applies to all types of diamond rotary instruments independent of type and shape with exception to diamond discs, which are specified in ISO 7711-2.

Keel: en
Alusdokumendid: ISO 7711-1:2021; EN ISO 7711-1:2021
Asendab dokumenti: EVS-EN ISO 7711-1:1999
Asendab dokumenti: EVS-EN ISO 7711-1:1999/A1:2009
Asendab dokumenti: EVS-EN ISO 7711-3:2005

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CWA 17819:2021

Guidelines for the assessment of resilience of transport infrastructure to potentially disruptive events

This document is focused on the resilience of transport systems to specified events. It can be used by any organization that is interested in measuring resilience regardless of size or extent of infrastructure. As transport can occur on infrastructure of multiple types, the measures of service and resilience are also suitable for infrastructure enabling multi-modal transport. Considering the context of potentially disruptive events, this document is to be used to determine: — how to measure the service provided by, and the resilience of, transport infrastructure; — how to set service and resilience targets of transport infrastructure. This document includes: — the concepts of how service and resilience can be measured; — the concepts of how service and resilience targets can be set; — the steps to determine how to measure service and resilience; — the steps to set service and resilience targets. Even if the probability of occurrence of the event is required in the estimation of the system resilience to a specific event, this document provides no guidance as to how to estimate the probability of occurrence of these events. In such situations, this document is to be used to measure the resilience to discrete events whose probabilities of occurrence change over time. Along the same lines, this document is not a complete guideline as to how to conduct a risk assessment of a transport system, of which the resilience to specified events is a part. Instead, it can be used to assess the resilience with respect to the events that are defined in the risk assessment. This document points out that the assessment of resilience requires, either explicitly or implicitly the modelling of the transport system in space and time, which include the consideration of the interconnections between infrastructure components or between events, including cascading events. It does not, however, provide guidance as how to specifically model these, as the modelling required depends greatly on the specific situation being investigated. This document also points out that it is essential to define the service being provided by a transport system as a precursor to the assessment of resilience. It does not, however, impose requirements on the services to be considered nor the levels of precision required, as the services considered and the precision required depend greatly on the specific situation being investigated. For the same reasons, this document does not provide specific information on the organisational requirements to assess resilience, e.g. in terms of human resources, financial skills, partners, schedules or data sources. These requirements depend greatly on purpose of the resilience assessment and the amount of effort the organisation would like to invest, the detail of the resilience estimates they would like to have, and the type of the infrastructure and events to be investigated. Finally, although the use of expert opinion is recommended in this document in numerous places, no specific guidance is given to which of the plethora of tools and methods that exist should be used. The tools and methods that should be used must be determined on a case-by-case basis and special care is required to ensure their independence.

Keel: en
Alusdokumendid: CWA 17819:2021

EVS-EN 12873-4:2021

Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes

This document describes a test method for laboratory evaluation of possible adverse effects of water treatment membrane elements and modules on drinking water quality. In principle it is applicable to microfiltration, ultrafiltration, nanofiltration, reverse osmosis and electrodialysis modules for use in the treatment of public water supplies and of water inside buildings. NOTE Such devices can vary considerably in design and operation and hence some modification of the procedures can be required. Evaluation of the efficiency of the membrane filter in removing contaminants from the treated water is not included.

Keel: en
Alusdokumendid: EN 12873-4:2021
Asendab dokumenti: EVS-EN 12873-4:2006

EVS-EN 14735:2021

Characterization of waste - Preparation of waste samples for ecotoxicity tests

This document describes the necessary steps to be performed before carrying out ecotoxicity tests on wastes. The purpose of this document is to provide guidance on the taking of the sample, transport, storage of wastes and to define preparation, for the determination of ecotoxicological properties of wastes under the conditions specified in this document by biological testing either as raw wastes or water extracts from wastes. Sample preparation for other applications (e.g. assessment of waste effects on aquatic and terrestrial organisms in a disposal scenario) is not considered. Specifying a test battery to characterize ecotoxicological properties of wastes is not in the scope of this document. This document is applicable to solid and liquid wastes.

Keel: en
Alusdokumendid: EN 14735:2021
Asendab dokumenti: EVS-EN 14735:2005
Asendab dokumenti: EVS-EN 14735:2005/AC:2013

EVS-EN 17479:2021

Hearing protectors - Guidance on selection of individual fit testing methods

This document gives guidelines for the appropriate selection of fit testing methods and measurement, and provides practical guidelines on fit testing methods, their uses and limitations. This document does not specify the technical requirements for manufacturing fit testing equipment.

Keel: en
Alusdokumendid: EN 17479:2021

EVS-EN 60335-2-27:2014/AC:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-27: Erinõuded naha kiiritusseadmetele, mis põhinevad optilisel kiirgusel
Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation

Standardite EVS-EN 60335-2-27:2014/A1:2020, EVS-EN 60335-2-27:2014/A2:2020,EVS-EN 60335-2-27:2014 ja EVS-EN 60335-2-27:2014+A1+A2:2020 parandus

Keel: en, et
Alusdokumendid: EN 60335-2-27:2013/AC:2021-11
Parandab dokumenti: EVS-EN 60335-2-27:2014
Parandab dokumenti: EVS-EN 60335-2-27:2014/A1:2020
Parandab dokumenti: EVS-EN 60335-2-27:2014/A2:2020
Parandab dokumenti: EVS-EN 60335-2-27:2014+A1+A2:2020

EVS-EN IEC 60335-2-96:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

This European Standard deals with the safety of flexible sheet heating elements intended to be incorporated into floors and walls below 1,2 m and above 2,3 m and in ceilings, their rated voltage being not more than 250 V for single-phase installations and 480 V for other installations.

Keel: en
Alusdokumendid: IEC 60335-2-96:2019; EN IEC 60335-2-96:2021
Asendab dokumenti: EVS-EN 60335-2-96:2003
Asendab dokumenti: EVS-EN 60335-2-96:2003/A1:2004
Asendab dokumenti: EVS-EN 60335-2-96:2003/A2:2009

EVS-EN IEC 60335-2-96:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

This European Standard deals with the safety of flexible sheet heating elements intended to be incorporated into floors and walls below 1,2 m and above 2,3 m and in ceilings, their rated voltage being not more than 250 V for single-phase installations and 480 V for other installations.

Keel: en
Alusdokumendid: EN IEC 60335-2-96:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 60335-2-96:2021

EVS-EN IEC 60695-2-12:2021

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for flammability testing to determine the glow-wire flammability index (GWFI). GWFI is the highest temperature, determined during this standardized procedure, at which the tested material does not ignite or, if it does, extinguishes within 30 s after removal of the glow-wire and is not totally consumed; and molten drips, if they occur, do not ignite the wrapping tissue. This test method is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire ignition temperature (GWIT) test method for materials, IEC 60695-2-13, can then be used in a preselection process in accordance with IEC 60695-1-30 [4] to judge the ability of materials to meet the requirements of IEC 60695-2-11. NOTE As an outcome of conducting a fire hazard assessment, an appropriate series of preselection flammability and ignition tests can allow a reduction of end product testing. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en
Alusdokumendid: EN IEC 60695-2-12:2021; IEC 60695-2-12:2021
Asendab dokumenti: EVS-EN 60695-2-12:2010
Asendab dokumenti: EVS-EN 60695-2-12:2010/A1:2014

EVS-EN ISO 16266-2:2021

Water quality - Detection and enumeration of Pseudomonas aeruginosa - Part 2: Most probable number method (ISO 16266-2:2018)

This document specifies a method for the enumeration of Pseudomonas aeruginosa in water. The method is based on the growth of target organisms in a liquid medium and calculation of the most probable number (MPN) of organisms by reference to MPN tables. This document is applicable to a range of types of water. For example, hospital waters, drinking water and non-carbonated bottled waters intended for human consumption, groundwater, swimming pool and spa pool waters including those containing high background counts of heterotrophic bacteria. This document does not apply to carbonated bottled waters, flavoured bottle waters, cooling tower waters or marine waters, for which the method has not been validated. These waters are, therefore, outside the scope of this document. Laboratories can employ the method presented in this document for these matrices by undertaking appropriate validation of performance of this method prior to use. The test is based on a bacterial enzyme detection technology that signals the presence of P. aeruginosa through the hydrolysis of a 7-amino-4-methylcoumarin aminopeptidase substrate present in a special reagent. P. aeruginosa cells rapidly grow and reproduce using the rich supply of amino acids, vitamins and other nutrients present in the reagent. Actively growing strains of P. aeruginosa have an enzyme that cleaves the 7-amido-coumarin aminopeptidase substrate releasing a product which fluoresces under ultraviolet (UV) light. The test described in this document provides a confirmed result within 24 h with no requirement for further confirmation of positive wells.

Keel: en
Alusdokumendid: ISO 16266-2:2018; EN ISO 16266-2:2021

EVS-EN ISO 19085-14:2021

Puidutöötlemismasinad. Ohutus. Osa 14: Freesmasinad neljapoolseks töötluseks
Woodworking machines - Safety - Part 14: Four-sided moulding machines (ISO 19085-14:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary four sided moulding machines with a maximum working width of 350 mm and a maximum speed of the integrated workpiece feed of 200 m/min, with electrical and/or electronic control system, hereinafter referred to as “machines” designed to cut solid wood and materials with similar physical characteristics to wood (see ISO 19085-1:2017, 3.2). It deals with all significant hazards, hazardous situations and events as listed in Clause 4 relevant to machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases are taken into account. NOTE: For relevant but not significant hazards, e.g. sharp edges of the machine frame, see ISO 12100:2010. It is also applicable to machines fitted with one or more of the following devices / additional working units, whose hazards have been dealt with: - universal spindle; - glass bead saw unit - fixed or movable work-piece support; - quick tool changing system - laser marking unit - automatic work-piece returner - in-feed hopper - in-feed loading table This part of ISO 19085 does not deal with any hazards related to: a) in-feed devices other than in-feed hopper and in-feed loading table (magazines, etc.); NOTE: For mechanical in-feed devices which also prevent access to the in-feed opening, see 6.6.4. b) out-feed devices (e.g. mechanical handling systems) except for hazards related to ejection from the machine due to climb cutting c) single machine being used in combination with any other machine (as part of a line); It is not applicable to machines intended for use in potentially explosive atmosphere and to machines manufactured prior to its publication.

Keel: en
Alusdokumendid: ISO 19085-14:2021; EN ISO 19085-14:2021
Asendab dokumenti: EVS-EN 12750:2013

EVS-EN ISO 19085-15:2021

Puidutöötlemismasinad. Ohutus. Osa 15: Pressid
Woodworking machines - Safety - Part 15: Presses (ISO 19085-15:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary manually loaded and unloaded: - cold presses, - hot presses, - bending presses, - edge/face gluing presses, - membrane presses, - embossing presses, where pressing force is applied by hydraulic actuators pushing two flat or shaped surfaces against each other, hereinafter referred to as "machines". It deals with all significant hazards, hazardous situations and events as listed in Clause 4 relevant to machines,

when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases are taken into account. NOTE: For relevant but not significant hazards, e.g. sharp edges of the machine frame, see ISO 12100:2010. It is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: - Device for hot gluing - Device for high frequency gluing - Device for high frequency shaping - Automatic work-piece loading and unloading system - intermediate additional platens - work-piece extractor - work-piece clamping pressure beam - split moveable platens. The machines are designed to process work-pieces consisting of: - solid wood; - materials with similar characteristics to wood (see ISO 19085-1:2017, 3.2); - honeycomb. This part of ISO 19085 does not deal with any hazards related to: - specific devices that differ from the list above; - hot fluid heating systems internal to the machine other than electrical; - any hot fluid heating systems external to the machine; - operation of taking intermediate platens out and in again; - the combination of a single machine being used with any other machine (as part of a line). It is not applicable to: - frame presses; - membrane presses where the pressing force is applied by vacuum only; - presses for producing chipboard, fibreboard, OSB; - machines intended for use in potentially explosive atmosphere; - machines manufactured before the date of its publication as an international standard.

Keel: en
Alusdokumendid: ISO 19085-15:2021; EN ISO 19085-15:2021

EVS-EN ISO 19085-2:2021

Puidutöötlemismasinad. Ohutus. Osa 2: Horisontaalasetusega ketassaed
Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2021)

This document gives the safety requirements and measures for horizontal beam panel circular sawing machines with the saw carriage of the front cutting line mounted below the workpiece support, which are manually and/or powered loaded and manually unloaded, capable of continuous production use, as defined in 3.1 and hereinafter referred to as “machines”. This document deals with all significant hazards, hazardous situations and events as listed in Annex A, relevant to the machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account. It is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: - side pressure device; - device for powered unloading; - unit for scoring; - unit for post-formed/soft-formed edge pre-cutting; - panel turning device; - front side turn table; - pushing out device; - pneumatic clamping of the saw blade; - powered panel loading device; - device for grooving by milling tool; - one or more additional cutting lines inside the machine for longitudinal and/or head cut (before the transversal cutting line); - workpiece vacuum clamping as part of a front side turn table or of a panel loading device; - panel pusher; - independent panel pushers; - additional panel pushers mounted on the panel pusher carriage; - additional panel pusher with integrated label printer device; - lifting platform; - device for automatic loading of thin panels; - device for base board unloading by gravity; - device for base board powered unloading; - device for panel unloading in limited space condition; - loading or pre-loading roller conveyors; - pressure beam with additional flaps to increase dust extraction efficiency; - saw blade cooling system by air or water-air or oil-air; - vibrating conveyor with/without trimming unit for offcuts management; - predisposition for top loading/unloading by an external system directly on the machine table and/or on the machine preloading roller conveyor and/or on the machine lifting table. NOTE base board is a support panel underlying the panel stack, to protect the panels from damages during transportation. The machines are designed for cutting panels consisting of: a) solid wood; b) material with similar physical characteristics to wood (see ISO19085-1:2021, 2); c) gypsum boards, gypsum bounded fibreboards; d) composite materials, with core consisting of e.g. polyurethane or mineral material, laminated with light alloy; e) cardboard; f) foam board; g) matrix engineered mineral boards, silicate boards; h) polymer-matrix composite materials and reinforced thermoplastic/thermoset/elastomeric materials; i) aluminium light alloy plates with a maximum thickness of 10 mm; j) composite boards made from the materials listed above. This document does not deal with hazards related to: - specific features different from those listed above; - the machining of panels with milling tools for grooving; - powered unloading of panels; - rear half of split pressure beam on the front cutting line; - the combination of a single machine being used with any other machine (as part of a line). It is not applicable to: - machines intended for use in potentially explosive atmospheres; - machines manufactured prior to the date of its publication.

Keel: en
Alusdokumendid: ISO 19085-2:2021; EN ISO 19085-2:2021
Asendab dokumenti: EVS-EN ISO 19085-2:2017

EVS-EN ISO 20236:2021

Water quality - Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion (ISO 20236:2018)

This International Standard specifies a method for the determination of total organic carbon (TOC), dissolved organic carbon (DOC), and for the determination of dissolved and particular bound nitrogen (TNb) in the form of free ammonia, ammonium, nitrite, nitrate and organic compounds capable of conversion to nitrogen oxides under the oxidative conditions described. The procedure is carried out instrumentally. NOTE 1 Generally the method can be applied for the determination of total carbon (TC) and total inorganic carbon (TIC) (see Annex A in the Outline). The method is applicable for water (e.g. drinking water, raw water, ground water, surface water, sea water or waste water) containing suspended material of ≤ 100 µm of particle size (convention). Reduce particles of > 100 µm of size to pieces of particle size of ≤ 100 µm before injection. The method allows a determination of TOC/DOC ≥ 1 mg/l C and TNb ≥ 1 mg/l N. NOTE 2 The determination of carbon concentrations > 0,3 mg/l to 1 mg/l is only applicable in special cases, for example drinking water, measured by highly sensitive instruments. Cyanide, cyanate and particles of elemental carbon (soot), when present in the sample, can be determined together with the organic carbon. Volatile or purgeable organic carbon (VOC, POC) is not determined by this method. Dissolved nitrogen gas is not determined by this method. Generally, the working range is restricted by instrument dependant conditions (e.g. injection volume). Higher concentrations may be determined after appropriate dilution.

Keel: en

Alusdokumendid: ISO 20236:2018; EN ISO 20236:2021
Asendab dokumenti: EVS-EN 12260:2003

EVS-EN ISO 20344:2021

Personal protective equipment - Test methods for footwear (ISO 20344:2021)

This standard specifies methods for testing footwear designed as personal protective equipment.

Keel: en
Alusdokumendid: ISO 20344:2021; EN ISO 20344:2021
Asendab dokumenti: EVS-EN ISO 20344:2011

EVS-EN ISO 22403:2021

Plastics - Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions - Test methods and requirements (ISO 22403:2020)

This document specifies test methods and criteria for showing intrinsic biodegradability in marine environments of virgin plastic materials and polymers without any preliminary environmental exposure or pre-treatment. Test methods applied in this document are carried out at temperatures in the mesophilic range under aerobic conditions and are aimed to show ultimate biodegradability, i.e. conversion into carbon dioxide, water and biomass. This document neither assesses the constituents, such as regulated metals or substances hazardous to the environment, nor potential ecotoxic effects but intrinsic biodegradability only. These aspects will be considered in a separate standard covering the overall environmental impact of products intentionally or accidentally released in the marine environment. This document does not cover the performance of products made from biodegradable plastic materials and biodegradable polymers. Lifetime and biodegradation rates in the sea of products made with biodegradable plastic materials are generally affected by the specific environmental conditions and by thickness and shape. Although results might indicate that the tested plastic materials and polymers biodegrade under the specified test conditions at a certain rate, the results of any laboratory exposure cannot be directly extrapolated to marine environments at the actual site of use or leakage. This document is not applicable for "marine biodegradable" claims of biodegradable plastic materials. For such purpose, see relevant product standards, if available. The testing scheme specified in this document does not provide sufficient information for determining the specific biodegradation rate (i.e. the rate per available surface area) of the material under testing. For such purpose, see relevant standards about specific biodegradation rate, if available.

Keel: en
Alusdokumendid: ISO 22403:2020; EN ISO 22403:2021

EVS-EN ISO 22526-1:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 1: General principles (ISO 22526-1:2020)

This document specifies the general principles and the system boundaries for the carbon and environmental footprint of biobased plastic products. It is an introduction and a guidance document to the other parts of the ISO 22526 series. This document is applicable to plastic products and plastic materials, polymer resins, which are based from biobased or fossil-based constituents.

Keel: en
Alusdokumendid: ISO 22526-1:2020; EN ISO 22526-1:2021

EVS-EN ISO 22526-2:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 2: Material carbon footprint, amount (mass) of CO2 removed from the air and incorporated into polymer molecule (ISO 22526-2:2020)

This document defines the material carbon footprint as the amount (mass) of CO2 removed from the air and incorporated into plastic, and specifies a determination method to quantify it. This document is applicable to plastic products, plastic materials and polymer resins that are partly or wholly based on biobased constituents.

Keel: en
Alusdokumendid: ISO 22526-2:2020; EN ISO 22526-2:2021

EVS-EN ISO 22526-3:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 3: Process carbon footprint, requirements and guidelines for quantification (ISO 22526-3:2020)

This document specifies requirements and guidelines for the quantification and reporting of the process carbon footprint of biobased plastics (see ISO 22526-1), being a partial carbon footprint of a bioplastic product, based on ISO 14067 and consistent with International Standards on life cycle assessment (ISO 14040 and ISO 14044). This document is applicable to process carbon footprint studies (P-CFP) of plastic materials, being a partial carbon footprint of a product, whether or not the results are intended to be publicly available. Requirements and guidelines for the quantification of a partial carbon footprint of a product (partial CFP) are provided in this document. The process carbon footprint study is carried out according to ISO 14067 as a partial carbon footprint, using the specific conditions and requirements specified in this document. Where the results of a P-CFP study are reported according to this document, procedures are provided to support transparency and credibility, and also to allow for informed choices. Offsetting is outside of the scope of this document.

Keel: en

Alusdokumendid: ISO 22526-3:2020; EN ISO 22526-3:2021

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC/IEEE 62209-1528:2021

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

This document specifies protocols and test procedures for the reproducible and repeatable measurement of the conservative exposure peak spatial average SAR (psSAR) induced inside a simplified model of the head and the body by radio-frequency (RF) transmitting devices, with a defined measurement uncertainty. These protocols and procedures apply to a significant majority of the population, including children, during the use of hand-held and body-worn wireless communication devices. These devices include single or multiple transmitters or antennas, and are operated with their radiating structure(s) at distances up to 200 mm from a human head or body. This document is employed to evaluate SAR compliance of different types of wireless communication devices used next to the ear, in front of the face, mounted on the body, operating in conjunction with other RF-transmitting, non-transmitting devices or accessories (e.g. belt-clips), or embedded in garments. The applicable frequency range is from 4 MHz to 10 GHz. Devices operating in the applicable frequency range can be tested using the phantoms and other requirements defined in this document. The device categories covered include, but are not limited to, mobile telephones, cordless microphones, and radio transmitters in personal, desktop and laptop computers, for multi-band operations using single or multiple antennas, including push-to-talk devices. This document can also be applied for wireless power transfer devices operating above 4 MHz. This document does not apply to implanted medical devices.

Keel: en
Alusdokumendid: IEC/IEEE 62209-1528:2020; EN IEC/IEEE 62209-1528:2021
Asendab dokumenti: EVS-EN 62209-1:2016
Asendab dokumenti: EVS-EN 62209-2:2010
Asendab dokumenti: EVS-EN 62209-2:2010/A1:2019

19 KATSETAMINE

EVS-EN 61010-031:2015/A1:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 031: Ohutusnõuded käeshoitavatele elektrimõõtmis- ja katsetusseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement

Amendment to EN 61010-031:2015

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

EVS-EN 61010-031:2015/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 031: Ohutusnõuded käeshoitavatele elektrimõõtmis- ja katsetusseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement

1.1.1 Probe assemblies included in scope This part of IEC 61010 specifies safety requirements for hand-held and hand-manipulated probe assemblies of the types described below, and their related accessories. These probe assemblies are for direct electrical connection between a part and electrical test and measurement equipment. They may be fixed to the equipment or be detachable accessories for the equipment. a) Type A: low-voltage and high-voltage, non-attenuating probe assemblies. Non-attenuating probe assemblies that are RATED for direct connection to voltages exceeding 30 V r.m.s., 42,4 V peak, or 60 V d.c., but not exceeding 63 kV. They do not incorporate components which are intended to provide a voltage divider function or a signal conditioning function, but they may contain non-attenuating components such as fuses (see Figure 1). b) Type B: high-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies that are RATED for direct connection to secondary voltages exceeding 1 kV r.m.s or 1,5 kV d.c. but not exceeding 63 kV r.m.s or d.c. The divider function may be carried out wholly within the probe assembely, or partly within the test or measurement equipment to be used with the probe assembly (see Figure 2). c) Type C: low-voltage attenuating or divider probe assemblies. Attenuating or divider probe assemblies for direct connection to voltages not exceeding 1 kV r.m.s. or 1,5 kV d.c. The signal conditioning function may be carried out wholly within the probe assembly, or partly within the test or measurement equipment intended to be used with the probe assembly (see Figure 3). d) Type D: low-voltage attenuating, non-attenuating or other signal conditioning probe assemblies, that are RATED for direct connection only to voltages not exceeding 30 V r.m.s., or 42,4 V peak, or 60 V d.c., and are suitable for currents exceeding 8 A (see Figure 4). 1.1.2 Probe assemblies excluded from scope This standard does not apply to current sensors within the scope of IEC 61010-2-032 (hand-held and hand-manipulated current sensors), but may apply to their input measuring circuit leads and accessories.

Keel: en
Alusdokumendid: EN 61010-031:2015/A11:2021

Muudab dokumenti: EVS-EN 61010-031:2015
Muudab dokumenti: EVS-EN 61010-031:2015/A1:2021

EVS-EN IEC 61010-2-011:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment

IEC 61010-2-011:2019 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates refrigerating systems as an integral part of, or separate from, the equipment and the equipment is in direct control of the refrigerating system. This document details all the requirements when up to 150 g of flammable refrigerant are used per stage of a refrigerating system. Additional requirements beyond the current scope of this document apply if a refrigerant charge of flammable refrigerant exceeds this amount. a) Electrical test and measurement equipment This is equipment which by electromagnetic means tests, measures, indicates or records one or more electrical or physical quantities, also non-measuring equipment such as signal generators, measurement standards, power supplies for laboratory use, transducers, transmitters, etc. b) Electrical industrial process-control equipment This is equipment which controls one or more output quantities to specific values, with each value determined by manual setting, by local or remote programming, or by one or more input variables. c) Electrical laboratory equipment This is equipment which measures, indicates, monitors, inspects or analyses materials, or is used to prepare materials, and includes in vitro diagnostic (IVD) equipment. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) alignment with changes introduced by Amendment 1 of IEC 61010-1:2010; b) introduction of new defined terms or modified terms to align with Part 2-012 and other source documents. Editorial changes to use small capitals only for defined terms. Note the difference of defined term in 4.3.2.101 and abnormal operation in 11.7.104.3 and 11.7.104.5; c) clarifications for cooling tests in 4.4.2.10; d) changes pertaining to the accurate employment of the following terms: temperature, operating temperature, application temperature, controlled temperature, room ambient and ambient temperature; e) use of defined term to replace cooling system; f) move text of 4.4.2.101 to 4.3.2.101, since the purpose of as defined, is to simulate failure of the ambient conditions of 1.4.1 but not of the of the equipment; g) use of the term equipment to replace unit, apparatus, appliance, where applicable; h) in 5.1.2 dd) for high and low sides for each stage are required only under ;i) use of defined term to replace normal operation; j) use of defined term to replace user. It has the status of a group safety publication in accordance with IEC Guide 104.

Keel: en
Alusdokumendid: IEC 61010-2-011:2019; EN IEC 61010-2-011:2021
Asendab dokumenti: EVS-EN 61010-2-011:2017

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

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-011: Erinõuded külmutusseadmetele

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment

1 Scope and object This clause of Part 1 is applicable, except as follows: 1.1.1 Equipment included in scope Replacement: Replace the second paragraph by the following: This Part 2 of IEC 61010 specifies particular safety requirements for the following types a) to c) of electrical equipment and their accessories, wherever they are intended to be used, whenever that equipment incorporates REFRIGERATING SYSTEMS as an integral part of, or separate from, the equipment and the equipment is in direct control of the REFRIGERATING SYSTEM. This document details all the requirements when up to 150 g of FLAMMABLE REFRIGERANT are used per stage of a REFRIGERATING SYSTEM. Additional requirements beyond the current scope of this document apply if a REFRIGERANT charge of FLAMMABLE REFRIGERANT exceeds this amount. Addition: Add the following text after the last paragraph: NOTE 101 Examples for REFRIGERATING EQUIPMENT include, but are not limited to laboratory equipment such as laboratory refrigerators, freezers, refrigerated display cabinets. It is possible that all or part of the equipment falls within the scope of one or more other Part 2 standards of IEC 61010 as well as within the scope of this standard. In that case, the requirements of those other Part 2 standards will also apply. In particular, if equipment is intended to be used as a centrifuge, the requirements of IEC 61010-2-020 apply. However, when the equipment incorporates a refrigerating system and a heating function where the combination of the two introduces additional or more severe HAZARDS than if treated separately, then it is possible that IEC 61010-2-012 is applicable instead of this Part 2-011. See further information in the flow chart (Figure 102) for the selection process and guidance in the Introduction. 1.1.2 Equipment excluded from scope Addition: Add the following new item after item j): or equipment incorporating: aa) a transcritical REFRIGERANT SYSTEM (system that uses CO2) or a system that uses ammonia (NH3) as the REFRIGERANT. 1.2 Object 1.2.1 Aspects included in scope Replacement: Replace the first paragraph by the following: The object of this document is to ensure that the design and methods of construction of REFRIGERATING EQUIPMENT provide adequate protection for OPERATORS, bystanders, trained service personnel, and the surrounding area against the specific HAZARDS that relate to REFRIGERATING SYSTEMS. Addition: Add the following note after the existing note: NOTE 101 A list of HAZARDS typically associated with REFRIGERATING SYSTEMS and REFRIGERANTS is included in Annex BB.

Keel: en
Alusdokumendid: EN IEC 61010-2-011:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-011:2021

EVS-EN IEC 61010-2-032:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-032: Erinõuded käeshoitavatele ja käsitsi manipuleeritavatele elektrilisteks katsetusteks ja mõõtmisteks kasutatavatele vooluanduritele

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement

IEC 61010-2-032:2019 specifies safety requirements for hand-held and hand-manipulated current sensors described below. These current sensors are for measuring, detecting or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured. They can be stand-alone current sensors or accessories to other equipment or parts of combined equipment (see Figure 101). These include measurement circuits which are part of electrical test and measurement equipment, laboratory equipment, or process control equipment. These current sensors and circuits need additional protective means between the current sensor, the circuit and an operator. This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - It has been indicated that current sensors used as fixed equipment are not within the scope of this document. - Fork-style current sensors have been added. - Requirements from Part 2-033 applicable to clamp multimeters that have a primary purpose of measuring voltage on live mains have been included in the new normative Annex EE. - Clearances and creepage distances for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. and for wet locations have been specified. - Reduced creepage distances are allowed to be according to material group I for all insulating materials. - Requirements for input/output circuits of Type A, Type B and Type C current sensors have been detailed in 6.9.102. - Requirements for output circuit leads have been modified. - The Jaw impact test has been limited to the front of the jaws. - The abrasion test for cords of flexible current sensors has been removed and replaced by a pressure test at high temperature. - The voltage source for testing overvoltage limiting components or circuits may be limited to 400 V. - Reference to IEC 61010-031 for probe assemblies has been added. - Requirements for the prevention of transient overvoltages for mains voltage measuring circuits have been added. - Requirements for measuring circuits from 1 000 V to 3 000 V have been added. - An informative Annex CC about the dimensions of banana terminals has been added. - A flowchart for insulation according to the type of circuit has been added in a new Annex DD.

Keel: en
Alusdokumendid: IEC 61010-2-032:2019; IEC 61010-2-032:2019/COR1:2020; EN IEC 61010-2-032:2021
Asendab dokumenti: EVS-EN 61010-2-032:2012

EVS-EN IEC 61010-2-032:2021/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-032: Erinõuded käeshoitavatele ja käsitsi manipuleeritavatele elektrilisteks katsetusteks ja mõõtmisteks kasutatavatele vooluanduritele

Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement

1 Scope and object This clause of Part 1 is applicable except as follows: 1.1.1 Equipment included in scope Replacement: Replace the existing text with the following: This part of IEC 61010 specifies safety requirements for HAND-HELD and hand-manipulated current sensors described below. These current sensors are for measuring, detecting or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured. They may be stand-alone current sensors or accessories to other equipment or parts of combined equipment (see Figure 101). These include measurement circuits which are part of electrical test and measurement equipment, laboratory equipment, or process control equipment. The existence of these current sensors and circuits in equipment requires additional protective means between the current sensor, the circuit and an OPERATOR.

Keel: en
Alusdokumendid: EN IEC 61010-2-032:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-032:2021

EVS-EN IEC 61010-2-033:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage

IEC 61010-2-033:2019 specifies safety requirements for hand-held multimeters for domestic and professional use, capable of measuring mains. Hand-held multimeters are multi-range multifunction measuring instruments intended to measure voltage and other electrical quantities such as resistance or current. Their primary purpose is to measure voltage on a live mains. They are suitable to be supported by one hand during normal use. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - The scope has been reduced to hand-held multimeters. Voltmeters and clamp multimeters have been removed. They are addressed respectively by IEC 61010-2-030 and IEC 61010-2-032. The relevant definitions have been removed. - Subclause 4.4.2.101 has been relocated into Clause 102. - Clearances and creepage distances for wet locations and for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. have been specified. - Subclause 14.101 related to "Circuits or components used as transient overvoltage limiting devices in measuring circuits used to measure mains" has been removed. - References to IEC 61010-031 for probe assemblies and IEC 61010-2-032 for current sensors have been added. -

Requirements for protection against mains overvoltage measuring circuits have been added. - Clause 102 has been rewritten. - Requirements for measuring circuits from 1 000 V to 3 000 V have been added. - An informative Annex CC about dimensions of 4-mm banana terminals has been added. - A flowchart for insulation according to the type of circuit has been added in a new Annex DD.

Keel: en
Alusdokumendid: IEC 61010-2-033:2019; EN IEC 61010-2-033:2021
Asendab dokumenti: EVS-EN 61010-2-033:2012

EVS-EN IEC 61010-2-033:2021/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage

This document applies to electrical equipment using signals in the frequency range 3 kHz to 95 kHz to transmit or receive information on low voltage electrical systems, for electricity suppliers and distributors. In the case of equipment which includes functions other than the transmission or reception of information on LV distribution networks or installations of network users connected to the public electricity distribution network, this document applies only to that part of the equipment intended for such transmission or reception of information. Other parts of the equipment are expected to comply with the immunity standard or standards relevant to the functions of those other parts. The object of this document is to contribute to ensuring EMC in general. It specifies essential immunity requirements and test methods, including those tests which are to be performed during type-testing of MCE, for electromagnetic interference (EMI) generated on LV installations. It defines the methods and requirements for testing immunity concerning the basic function of an MCE, in relation to continuous and transient disturbances, both conducted and radiated, and electrostatic discharges. Test requirements are specified for each port considered. Furthermore it provides guidelines for the assessment of the performance of the communication function of an MCE. Normative specifications are under consideration. This document gives limits which are applicable to MCE used by electricity suppliers and distributors (e.g. DSOs) for purposes like energy management and network monitoring and automation. The levels do not however cover extreme cases which could occur in any location but with a low probability of occurrence. In special cases situations will arise where the level of disturbances could exceed the levels specified in this document, e.g. where a hand-held transmitter is used in proximity of an apparatus. In these instances special mitigation measures might have to be employed. It does not specify immunity between MCE operating in the same nominal frequency band or immunity to signals originating from power line carrier systems operating on high or medium-voltage networks. Safety considerations are not included in this document.

Keel: en
Alusdokumendid: EN IEC 61010-2-033:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-033:2021

EVS-EN IEC 61010-2-040:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-040: Erinõuded meditsiinimaterjalide töötlemiseks kasutavatele sterilisaatoritele ja desinfitseerimis-pesuseadmetele
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials

IEC 61010-2-040:2020 specifies safety requirements for electrical equipment intended for sterilization, washing, and disinfection of medical materials in the medical, veterinary, pharmaceutical and laboratory fields, when used under the environmental conditions of 1.4. Examples of such equipment include the following: - sterilizers and disinfectors using steam and/or hot water as the sterilant; - sterilizers and disinfectors using toxic gas, toxic aerosol or toxic vapour as the sterilant; - sterilizers and disinfectors using hot air or hot inert gas as the sterilant; and - washer-disinfectors. This third edition cancels and replaces the second edition published in 2015. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - it is established on the basis of the third edition (2010) of IEC 61010-1 and its Amendment 1 (2016); - added tolerance for stability of a.c. voltage test equipment to 6.8.3.1; - the status of a Group Safety Publication has been removed (this does not change the technical requirements in the document).

Keel: en
Alusdokumendid: IEC 61010-2-040:2020; EN IEC 61010-2-040:2021
Asendab dokumenti: EVS-EN 61010-2-040:2015

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 13598-3:2021

Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Assessment of conformity

This document gives guidance for requirements for the assessment of conformity of materials (compounds/formulations), products, joints and assemblies in accordance with the applicable part(s) of EN 13598-1 and EN 13598-2 intended to be included in the manufacturer’s quality plan as part of the quality management system and for the establishment of certification

procedures. NOTE 1 The quality management system is expected to conform to or be no less stringent than the relevant requirements of EN ISO 9001 [1]. NOTE 2 If certification is involved, the certification body is expected to be compliant with EN ISO/IEC 17065 [5]. NOTE 3 A basic test matrix provides an overview of the testing scheme in Annex A. In conjunction with EN 13598-1 and EN 13598-2 (see Foreword) this document is applicable to ancillary fittings including shallow chambers and manholes and inspection chambers.

Keel: en
Alusdokumendid: CEN/TS 13598-3:2021
Asendab dokumenti: CEN/TS 13598-3:2012

EVS-EN ISO 10286:2021

Gas cylinders - Vocabulary (ISO 10286:2021)

This document defines terms for gas cylinders.

Keel: en
Alusdokumendid: ISO 10286:2021; EN ISO 10286:2021
Asendab dokumenti: EVS-EN ISO 10286:2015

EVS-EN ISO 11114-2:2021

Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 2: Non-metallic materials (ISO 11114-2:2021)

This document gives guidance on the selection and evaluation of compatibility between non-metallic materials for gas cylinders and valves and the gas contents. It is also applicable to tubes, pressure drums and bundles of cylinders. This document covers composite and laminated materials used for gas cylinders. It does not include ceramics, glasses and adhesives. This document considers the influence of the gas in changing the material and mechanical properties (e.g. chemical reaction or change in physical state). The basic properties of the materials, such as mechanical properties required for design purposes (normally available from the materials supplier), are not considered. Other aspects, such as quality of delivered gas, are not considered. The compatibility data given are related to single component gases but can be applicable to gas mixtures. This document does not apply to cryogenic fluids (this is covered in ISO 21010).

Keel: en
Alusdokumendid: ISO 11114-2:2021; EN ISO 11114-2:2021
Asendab dokumenti: EVS-EN ISO 11114-2:2013

EVS-EN ISO 11439:2013/A1:2021

Gas cylinders - High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles - Amendment 1 (ISO 11439:2013/Amd 1:2021)

Amendment to EN ISO 11439:2013

Keel: en
Alusdokumendid: ISO 11439:2013/Amd 1:2021; EN ISO 11439:2013/A1:2021
Muudab dokumenti: EVS-EN ISO 11439:2013

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 60974-8:2021

Kaarkeevitusseadmed. Osa 8: Keevitus- ja plasmalõikesüsteemide gaasivoolu juhtseadmed
Arc welding equipment - Part 8: Gas consoles for welding and plasma cutting systems

IEC 60974-8:2021 specifies safety and performance requirements for gas consoles intended to be used with combustible gases or oxygen. These gas consoles are designed to supply gases for use in arc welding, plasma cutting, gouging and allied processes in non-explosive atmospheres. The gas console can be external or internal to the power source enclosure. In the latter case, the power source shall meet the requirements of both IEC 60974-1 and this document. This third edition cancels and replaces the second edition, published in 2009. This edition constitutes a technical revision. The significant technical changes with respect to the previous edition are the following: - changes induced by the publication of IEC 60974-1:2017; - requirements for the rating plate as in IEC 60974-1:2017, Clause 15; - requirements for the instructions in 13.2. This part of IEC 60974 is to be used in conjunction with IEC 60974-1.

Keel: en
Alusdokumendid: IEC 60974-8:2021; EN IEC 60974-8:2021
Asendab dokumenti: EVS-EN 60974-8:2009

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 15502-1:2021

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as “boilers”. This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones). This European Standard applies to boilers of types B and C. NOTE For further

background information on appliance types see CEN/TR 1749:2014 [1]. a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437; b) where the temperature of the water is below or above 105 °C during normal operation; c) where the maximum operating pressure in the water circuit does not exceed 6 bar; d) which can give rise to condensation under certain circumstances; e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler"; NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler"." f) which are intended to be installed inside a building or in a partially protected place; g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit. This European Standard applies to boilers designed for sealed water systems or for open water systems. NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE). This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components.

Keel: en
Alusdokumendid: EN 15502-1:2021
Asendab dokumenti: EVS-EN 15502-1:2012+A1:2015

29 ELEKTROTEHNIKA

EVS-EN 62044-3:2002/AC:2021

Cores made of soft magnetic materials - Measuring methods - Part 3: Magnetic properties at high excitation level

Corrigendum to EN 62044-3:2001

Keel: en
Alusdokumendid: IEC 62044-3:2000/COR1:2021; EN 62044-3:2001/AC:2021-11
Parandab dokumenti: EVS-EN 62044-3:2002

EVS-EN IEC 60238:2018/A11:2021

Edisonkeermega lambipesad
Edison screw lampholders

Common modification to EN IEC 60238:2018 and EN IEC 60238:2018/A1:2018

Keel: en
Alusdokumendid: EN IEC 60238:2018/A11:2021
Muudab dokumenti: EVS-EN IEC 60238:2018
Muudab dokumenti: EVS-EN IEC 60238:2018/A1:2018

EVS-EN IEC 60238:2018+A1+A2:2021

Edisonkeermega lambipesad
Edison screw lampholders (IEC 60238:2016 + IEC 60238:2016/A1:2017 + COR1:2018 + IEC 60238:2016/A2:2020)

This International Standard applies to lampholders with Edison thread E14, E27 and E40, designed for connection to the supply of lamps and semi -luminaires1 only. It also applies to switched-lampholders for use in AC circuits only, where the working voltage does not exceed 250 V r.m.s. This standard also applies to lampholders with Edison thread E5 designed for connection to the supply mains of series connected lamps, with a working voltage not exceeding 25 V, to be used indoors, and to lampholders with Edison thread E10 designed for connection to the supply mains of series connected lamps, with a working voltage not exceeding 60 V, to be used indoors or outdoors. It also applies to lampholders E10 for building-in, for the connection of single lamps to the supply. These lampholders are not intended for retail sale. As far as it reasonably applies, this standard also covers lampholders other than lampholders with Edison thread designed for connection of series-connected lamps to the supply. NOTE This type of lampholder is for example used in Christmas tree lighting chains. As far as it reasonably applies, this standard also covers adapters. This standard also covers lampholders which are, wholly or partly, integral with a luminaire or intended to be built into appliances. It covers the requirements for the lampholder only. For all other requirements, such as protection against electric shock in the area of the terminals or of the lamp cap, the requirements of the relevant appliance standard are observed and tested after building into the appropriate equipment, when that equipment is tested according to its own standard. Such lampholders as well as lampholders provided with a snap-on outer shell, for use by luminaire manufacturers only, are not for retail sale. This standard applies to lampholders to be used indoors or outdoors in residential as well as in industrial lighting installations. It also applies to candle lampholders. In locations where special conditions prevail, as for street lighting, on board ships, in vehicles and in hazardous locations, for example where explosions are liable to occur, special constructions may be required. This standard does not apply to three-light lampholders E26d. This standard is based on the following data relat ive to lamps for general lighting service: – caps E14 are used for lamps with a current not exceeding 2 A; – caps E27 are used for lamps with a current not exceeding 4 A; – caps E40 are used for lamps with a current not exceeding 16 A, or 32 A if the nominal voltage of the supply does not exceed 130 V (see 5.5 and 6.3). Where lampholders are used in luminaires, their maximum operating temperatures are specified in IEC 60598.

Keel: en
Alusdokumendid: EN IEC 60238:2018; IEC 60238:2016; IEC 60238:2016/A1:2017; IEC 60238:2016/A1:2017/COR1:2018; EN IEC 60238:2018/A1:2018; IEC 60238:2016/A2:2020; EN IEC 60238:2018/A2:2021

Konsolideerib dokumenti: EVS-EN IEC 60238:2018
Konsolideerib dokumenti: EVS-EN IEC 60238:2018/A1:2018
Konsolideerib dokumenti: EVS-EN IEC 60238:2018/A2:2021

EVS-EN IEC 60695-2-12:2021

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

This part of IEC 60695 specifies the details of the glow-wire test to be applied to test specimens of solid electrical insulating materials or other solid materials for flammability testing to determine the glow-wire flammability index (GWFI). GWFI is the highest temperature, determined during this standardized procedure, at which the tested material does not ignite or, if it does, extinguishes within 30 s after removal of the glow-wire and is not totally consumed; and molten drips, if they occur, do not ignite the wrapping tissue. This test method is a materials test carried out on a series of standard test specimens. The data obtained, along with data from the glow-wire ignition temperature (GWIT) test method for materials, IEC 60695-2-13, can then be used in a preselection process in accordance with IEC 60695-1-30 [4] to judge the ability of materials to meet the requirements of IEC 60695-2-11. NOTE As an outcome of conducting a fire hazard assessment, an appropriate series of preselection flammability and ignition tests can allow a reduction of end product testing. This basic safety publication focusing on safety test method(s) is primarily intended for use by technical committees in the preparation of safety publications in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

Keel: en
Alusdokumendid: EN IEC 60695-2-12:2021; IEC 60695-2-12:2021
Asendab dokumenti: EVS-EN 60695-2-12:2010
Asendab dokumenti: EVS-EN 60695-2-12:2010/A1:2014

EVS-EN IEC 60947-3:2021/AC:2021

Madalpingelised lülitusaparaadid. Osa 3: Koormuslülitid, lahklülitid, koormus-lahklülitid, sulavkaitsmekombinatsioonid
Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

Standardi EN IEC 60947-3:2021 parandus

Keel: en
Alusdokumendid: IEC 60947-3:2020/COR1:2021; EN IEC 60947-3:2021/AC:2021-11
Parandab dokumenti: EVS-EN IEC 60947-3:2021

EVS-EN IEC 61347-2-14:2018/A11:2021

Lampide juhtimisseadised. Osa 2-14: Erinõuded luminofoor-induktsioonlampide alalis- ja/või vahelduvvoolutoitelistele juhtimisseadistele
Lamp controlgear - Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps

Amendment to EN IEC 61347-2-14:2018

Keel: en
Alusdokumendid: EN IEC 61347-2-14:2018/A11:2021
Muudab dokumenti: EVS-EN IEC 61347-2-14:2018

EVS-EN IEC 61788-22-2:2021

Superconductivity - Part 22-2: Normal state resistance and critical current measurement - High-Tc Josephson junction

This part of IEC 61788 is applicable to high-Tc Josephson junctions. It specifies terms, definitions, symbols and the measurement and estimation method for normal state resistance (Rn) and intrinsic critical current (Ici), based on a combination of selecting a data set from measured U-I curves with a geometric mean criterion and fitting a hyperbolic function to that data set.

Keel: en
Alusdokumendid: IEC 61788-22-2:2021; EN IEC 61788-22-2:2021

EVS-EN IEC 61954:2021

Static var compensators (SVC) - Testing of thyristor valves

This International Standard defines type, production and optional tests on thyristor valves used in thyristor controlled reactors (TCR), thyristor switched reactors (TSR) and thyristor switched capacitors (TSC) forming part of static VAR compensators (SVC) for power system applications. The requirements of the standard apply both to single valve units (one phase) and to multiple valve units (several phases). Clauses 4 to 7 detail the type tests, i.e. tests which are carried out to verify that the valve design meets the requirements specified. Clause 8 covers the production tests, i.e. tests which are carried out to verify proper manufacturing. Clauses 9 and 10 detail optional tests, i.e. tests additional to the type and production tests.

Keel: en
Alusdokumendid: IEC 61954:2021; EN IEC 61954:2021
Asendab dokumenti: EVS-EN 61954:2011

Asendab dokumenti: EVS-EN 61954:2011/A1:2013
Asendab dokumenti: EVS-EN 61954:2011/A2:2017

EVS-EN IEC 62271-101:2021/AC:2021

High-voltage switchgear and controlgear - Part 101: Synthetic testing

Corrigendum to EN IEC 62271-101:2021

Keel: en
Alusdokumendid: IEC 62271-101:2021/COR1:2021; EN IEC 62271-101:2021/AC:2021-11
Parandab dokumenti: EVS-EN IEC 62271-101:2021

EVS-EN IEC 62868-2-3:2021

Orgaanvalgusdioodvalgusallikad (orgaanleedvalgusallikad) üldtarbevalgustuseks. Ohutus. Osa 2-3: Erinõuded. Paindlikud orgaanleedplaadid ja -paneelid
Organic light emitting diode (OLED) light sources for general lighting - Safety - Part 2-3: Particular requirements - Flexible OLED tiles and panels

This part of IEC 62868 specifies the safety requirements for flexible organic light emitting diode tiles and panels for use on supplies up to 120 V ripple free DC for indoor and similar general lighting purposes and designed for being bent during the manufacturing process of curved luminaires.

Keel: en
Alusdokumendid: IEC 62868-2-3:2021; EN IEC 62868-2-3:2021

31 ELEKTROONIKA

EVS-EN IEC 61954:2021

Static var compensators (SVC) - Testing of thyristor valves

This International Standard defines type, production and optional tests on thyristor valves used in thyristor controlled reactors (TCR), thyristor switched reactors (TSR) and thyristor switched capacitors (TSC) forming part of static VAR compensators (SVC) for power system applications. The requirements of the standard apply both to single valve units (one phase) and to multiple valve units (several phases). Clauses 4 to 7 detail the type tests, i.e. tests which are carried out to verify that the valve design meets the requirements specified. Clause 8 covers the production tests, i.e. tests which are carried out to verify proper manufacturing. Clauses 9 and 10 detail optional tests, i.e. tests additional to the type and production tests.

Keel: en
Alusdokumendid: IEC 61954:2021; EN IEC 61954:2021
Asendab dokumenti: EVS-EN 61954:2011
Asendab dokumenti: EVS-EN 61954:2011/A1:2013
Asendab dokumenti: EVS-EN 61954:2011/A2:2017

33 SIDETEHNIKA

EVS-EN 300 422-1 V2.2.1:2021

Raadiomikrofonid; Audio PMSE kuni 3 GHz; Osa 1. Audio PMSE kuni 3 GHz; Raadiospektrile juurdepääsu harmoneeritud standard
Wireless Microphones; Audio PMSE Equipment up to 3 GHz; Part 1: Audio PMSE Equipment up to 3 GHz; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for audio PMSE equipment operating with up to 250 mW output power on radio frequencies up to 3 GHz (see note 1). NOTE 1: For RF power levels above this, refer to ETSI EN 300 454-1. Audio Programme Making and Special Events (PMSE) equipment within the scope of the present document is used in wireless applications for audio transmission purposes including, but not limited to equipment such as wireless microphones, in-ear monitoring systems, conference systems, talkback systems, tour guide systems, Cognitive PMSE (C-PMSE), Wireless Multichannel Audio Systems (WMAS), and assistive listening devices. Table 1: Radiocommunications service frequency bands Transmit up to 3 000 MHz Receive up to 3 000 MHz NOTE 2: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 300 422-1 V2.2.1

EVS-EN 301 489-12 V3.2.1:2021

Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 12. Eritingimused väga väikese apertuuriga satelliitantenniga terminalidele, sagedusvahemikus 4 GHz kuni 30 GHz töötavad paikse satelliitside (FSS) interaktiivsed maajaamad; Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS); Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies technical characteristics and methods of measurement for the Earth Stations (ESs) operating in the frequency ranges between 3,625 GHz and 30 GHz in the Fixed Satellite Service (FSS) bands, and associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions from the enclosure port of the Earth Stations (ESs) are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum, see table 1. Table 1: Radio Technologies in scope of the present document: Technology; ETSI Standard VSAT for Transmit-only, transmit/receive or receive-only satellite Earth Stations operating in the 10,70 GHz to 14,50 GHz frequency bands; ETSI EN 301 428 ES for Satellite News Gathering Transportable Earth Stations (SNG TESs) operating in the 10,70 GHz to 14,50 GHz frequency bands; ETSI EN 301 430 VSAT for Transmit-only, transmit-and-receive, receive-only satellite Earth Stations operating in the 3,625 GHz to 6,425 GHz frequency bands; ETSI EN 301 443 ES for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit in the 19,70 GHz to 30,0 GHz frequency bands; ETSI EN 301 459 ES for Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit in the 17,70 GHz to 29,5 GHz frequency bands; ETSI EN 301 360 ES for Earth Stations On Mobile Platforms (ESOMP) transmitting towards satellites in geostationary orbit, operating in the 17,70 GHz to 30,0 GHz frequency bands; ETSI EN 303 978 Definitions of the type of Earth Stations (ESs) operating in the frequency ranges between 3,625 GHz and 30 GHz in the Fixed Satellite Service (FSS) covered by the present document are given in annex B. The environmental classification used in the present document are as stated in ETSI EN 301 489-1. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 301 489-12 V3.2.1

EVS-EN 301 489-20 V2.2.1:2021

Raadioseadmete ja raadiosideteenistuste elektromagnetilise ühilduvuse (EMC) standard; Osa 20. Eritingimused liikuvas satelliitsides (MSS) kasutatavatele liikuvatele maajaamadele (MES); Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS); Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies technical characteristics and methods of measurement for Mobile Earth Stations (MESs) operating in the Mobile Satellite Services (MSSs) as defined in annex B, and ancillary equipment in respect of ElectroMagnetic Compatibility (EMC). Technical specifications related to the antenna port and emissions from the enclosure port of the equipment are not included in the present document. Such technical specifications are found in the relevant product standards for the effective use of the radio spectrum, see table 1. Table 1: Radio Technologies in scope of the present document Technology; ETSI Standard Low data rate Land Mobile satellite Earth Stations (LMES) and Maritime Mobile satellite Earth Stations (MMES) operating in the 1 518 MHz to 1 675 MHz frequency bands; ETSI EN 301 426 Low data rate Land Mobile satellite Earth Stations (LMES) operating in the 11/12/14 GHz frequency bands; ETSI EN 301 427 Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1 610 MHz to 2 500 MHz frequency bands under the Mobile Satellite Service (MSS); ETSI EN 301 441 Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 1 980 MHz to 2 200 MHz frequency bands under the Mobile Satellite Service (MSS); ETSI EN 301 442 Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) operating in the 1 518 MHz to 1 675 MHz frequency bands providing voice and/or data communications; ETSI EN 301 444 Mobile Earth Stations (MES) providing Low Bit Rate Data Communications (LBRDC) using Low Earth Orbiting (LEO) satellites operating in the 137 MHz to 401 MHz frequency bands; ETSI EN 301 721 Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) of Geostationary mobile satellite systems, including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) under the Mobile Satellite Service (MSS), operating in the 1 518 MHz to 1 675 MHz frequency bands; ETSI EN 301 681 Aircraft Earth Stations (AES) providing Aeronautical Mobile Satellite Service (AMSS)/Mobile Satellite Service (MSS) and/or the Aeronautical Mobile Satellite on Route Service (AMS(R)S)/Mobile Satellite Service (MSS), operating in the 1 518 MHz to 2 500 MHz frequency bands; ETSI EN 301 473 The environmental classification used in the present document are as stated in ETSI EN 301 489-1. For a multimode radio station, the present document only applies to the radio station when operated in the Mobile Satellite Service mode. NOTE: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 301 489-20 V2.2.1

EVS-EN 301 489-52 V1.2.1:2021

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

The present document specifies the applicable test conditions, performance assessment, and performance criteria for Cellular Communication User Equipment (UE), including Customer Premise Equipment (CPE), Set Top Box (STB) containing cellular communication technologies, and the associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC) for equipment utilizing the technologies in table 1. Table 1: Technologies User Equipment (UE) radio and ancillary equipment Cellular Communication Cellular Mobile Communication Technology; Technology Generation; Standard Set; ETSI Standard Global System for Mobile communications (GSM); 2G/3G; IMT-2000 SC single carrier; ETSI EN 301 511 CDMA Multi-Carrier (cdma2000); 2G/3G; IS-95/CDMA2000 - IMT-MC multi carrier; ETSI EN 301 908-4 CDMA Direct Spread (UTRA FDD); 3G; IMT-2000 Direct Spread; ETSI EN 301 908-2 Evolved Universal Terrestrial Radio Access (E-UTRA); 4G; IMT-advanced; ETSI EN 301 908-13 New Radio (NR); 5G; IMT-2020; ETSI TS 138 521-1, ETSI TS 138 521-3 Technical specifications related to the

antenna port of radio equipment and radiated emissions from the enclosure port of radio equipment and combinations of radio and associated ancillary equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum. NOTE 1: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A. NOTE 2: The present document does not cover the radio base stations as specified in ETSI EN 301 489-50.

Keel: en
Alusdokumendid: ETSI EN 301 489-52 V1.2.1

EVS-EN 319 411-2 V2.4.1:2021

Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 2: Requirements for trust service providers issuing EU qualified certificates

The present document specifies policy and security requirements for the issuance, maintenance and life-cycle management of EU qualified certificates as defined in Regulation (EU) No 910/2014. These policy and security requirements support reference certificate policies for the issuance, maintenance and life-cycle management of EU qualified certificates issued to natural persons (including natural persons associated with a legal person or a website) and to legal persons (including legal persons associated with a website), respectively. The present document does not specify how the requirements identified can be assessed by an independent party, including requirements for information to be made available to such independent assessors, or requirements on such assessors. NOTE: See ETSI EN 319 403 for guidance on assessment of TSP's processes and services. The present document references ETSI EN 319 411-1 for general requirements on TSP issuing certificates.

Keel: en
Alusdokumendid: ETSI EN 319 411-2 V2.4.1

EVS-EN 319 412-4 V1.2.1:2021

Electronic Signatures and Infrastructures (ESI); Certificate Profiles; Part 4: Certificate profile for web site certificates

The present document specifies a certificate profile for web site certificates that are accessed by the TLS protocol [IETF RFC 5246: "The Transport Layer Security (TLS) Protocol Version 1.2"]. The profile defined in the present document builds on the CA/Browser Forum Baseline requirements, Extended validation guidelines and other parts of the present multipart deliverable. The present document focuses on requirements on certificate content. Requirements on decoding and processing rules are limited to aspects required to process certificate content defined in the present document. Further processing requirements are only specified for cases where it adds information that is necessary for the sake of interoperability. This profile can be used for legal and natural persons. For certificates issued to legal persons, the profile builds on the CAB Forum EV Profile or baseline requirements. For certificates issued to natural persons, the profile builds only on CAB Forum baseline requirements.

Keel: en
Alusdokumendid: ETSI EN 319 412-4 V1.2.1

EVS-EN 50411-2-4:2021

Fibre management systems and protective housings to be used in optical fibre communication systems - Product specifications - Part 2-4: Sealed dome fibre splice closures for category S & A

1.1 Product definition This document contains the initial, start of life dimensional, optical, mechanical and environmental performance requirements of a fully installed splice closure in order for it to be categorized as a European Standard product. 1.2 Operating environment The tests selected combined with the severity and duration are representative of an outside plant for subterranean and/or aerial environments defined by: EN IEC 61753-1 category S: subterranean environment category A: aerial environment 1.3 Reliability Whilst the anticipated service life expectancy of the product in this environment is 20 years, compliance with this specification does not guarantee the reliability of the product. This is predicted using a recognized reliability assessment programme. 1.4 Quality assurance Compliance with this specification does not guarantee the manufacturing consistency of the product. This is maintained using a recognized quality assurance programme. 1.5 Allowed fibre and cable types This closure standard allows both single-mode and multi-mode fibre to be used and covers all IEC standard optical fibre cables with their various fibre capacities, types and designs. This includes, but is not limited to, optical fibre cable standards EN 60794 2 (indoor) and EN 60794-3 (outdoor). The optical performance tests are carried out on test samples with EN IEC 60793-2-50 single-mode fibre (see Annex A). The selected fibre type for the optical test samples depends on the design of the fibre management system.

Keel: en
Alusdokumendid: EN 50411-2-4:2021
Asendab dokumenti: EVS-EN 50411-2-4:2012

EVS-EN 61000-3-3:2013/A2:2021

Elektromagnetiline ühilduvus. Osa 3-3: Piirväärtused. Pingemuutuste, pingekõikumiste ja väreluse piiramine mittetinglike ühendustega seadmetele avalikes madalpingelistes toitesüsteemides nimivooluga kuni 16 A faasi kohta
Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection

Standardi EN 61000-3-3:2013 muudatus

Keel: en
Alusdokumendid: EN 61000-3-3:2013/A2:2021; IEC 61000-3-3:2013/A2:2021
Muudab dokumenti: EVS-EN 61000-3-3:2013
Muudab dokumenti: EVS-EN 61000-3-3:2013+A1:2019

EVS-EN IEC 61753-131-03:2021

Fibre optic interconnecting devices and passive components - Performance standard - Part 131-03: Single-mode mechanical fibre splice for category OP - Outdoor Protected environment

This part of IEC 61753 contains the minimum tests, test severities and measurement requirements which a mechanical fibre splice need to satisfy in order to be categorised as meeting the requirements of single-mode fibre splice for use in category OP (Outdoor protected) environments, as defined in IEC 61753-1. This document for mechanical splices defines the requirements for standard optical performance under a set of specified conditions. The standard contains a series or a set of tests and measurements with clearly stated conditions, severities and pass/fail criteria. The series of tests, commonly referred to as an operating service environment or performance category, is intended to be a basis to prove the product's ability to satisfy the requirements of a specific application, market sector or user group.

Keel: en
Alusdokumendid: IEC 61753-131-03:2021; EN IEC 61753-131-03:2021
Asendab dokumenti: EVS-EN 61753-131-3:2011

EVS-EN IEC 61850-7-420:2021

Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes

This part of IEC 61850 defines the IEC 61850 information models to be used in the exchange of information with distributed energy resources (DER) and Distribution Automation (DA) systems. DERs include distribution-connected generation systems, energy storage systems, and controllable loads, as well as facility DER management systems, including aggregated DER, such as plant control systems, facility DER energy management systems (EMS), building EMS, campus EMS, community EMS, microgrid EMS, etc. DA equipment includes equipment used to manage distribution circuits, including automated switches, fault indicators, capacitor banks, voltage regulators, and other power management devices. The IEC 61850 DER information model standard utilizes existing IEC 61850-7-4 logical nodes where possible, while defining DER and DA specific logical nodes to provide the necessary data objects for DER and DA functions, including for the DER interconnection grid codes specified by various countries and regions. Although this document explicitly addresses distribution-connected resources, most of the resource capabilities, operational functions, and architectures are also applicable to transmission-connected resources. [...]

Keel: en
Alusdokumendid: IEC 61850-7-420:2021; EN IEC 61850-7-420:2021
Asendab dokumenti: EVS-EN 61850-7-420:2009

35 INFOTEHNOLOOGIA

CEN/TS 17661:2021

Personal identification - European enrolment guide for biometric ID documents (EEG)

This document consolidates information relating to successful and high quality biometric enrolment processes of facial and fingerprint systems, while indicating risk factors and providing appropriate mitigations. This information supports decisions regarding procurement, design, deployment and operation of these biometric systems. This document provides guidance on: — capturing of facial images to be used as reference images in identity and secure documents; — capturing of fingerprint images to be used as reference images in identity and secure documents; — data quality maintenance for biometric reference data; — data authenticity maintenance for biometric reference data. The document addresses the following aspects which are specific for biometric reference data capturing: — biometric data quality and interoperability ensurance; — data authenticity ensurance; — morphing and other presentation attack detection as well as other unauthorized changes; — accessibility and usability; — privacy and data protection; — optimal enrolment design. The following aspects are out of scope: — IT security; — data capturing for verification purposes, e.g. in ABC gates; — capturing biometric data for enrolment in other systems different from data enrolment for integration in secure MRTD, like entry/exit systems. This document consolidates the role of the enrolment process in a biometric system and differentiates the enrolment from the authentication, while mentioning key factors of the enrolment process that are feature independent. Interests of the existing stakeholders are broken down and provide an insight on different views of the enrolment. In addition, organisational enrolment approaches are covered. This document is not concerned with IT requirements or the capturing of biometric data for inspection, identification or verification purposes without the required step of creating an identity document using the captured data.

Keel: en
Alusdokumendid: CEN/TS 17661:2021

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 13760:2021

Vedelgaasi seadmed ja lisavarustus. Kerg- ja raskeveokite automaatsed vedelgaasi tankimissüsteemid. Tankimispüstol, katsenõuded ja mõõtmed
LPG equipment and accessories - Automotive LPG filling system for light and heavy duty vehicles - Nozzle, test requirements and dimensions

This document specifies the minimum design, construction, test requirements and the critical dimensions for filling nozzles for the dispensing of automotive Liquefied Petroleum Gas (LPG) to vehicles of categories M and N, as defined in Regulation (EU) 2018/858 [2], that are fitted with the Euro filling unit (light duty or heavy duty).

Keel: en
Alusdokumendid: EN 13760:2021
Asendab dokumenti: EVS-EN 13760:2003

EVS-EN 17003:2021

Maanteesõidukid. Pidurite katsestendid sõidukitele, mille täismass ületab 3,5 tonni. Ohutusnõuded
Road vehicles - Roller brake testers for vehicles of more than 3,5 tons GVW - Safety requirements

This document applies to roller brake testers (brake test benches) that are designed for roadworthiness tests on categories M2, M3, N2, N3, O3 and O4 vehicles (as defined in Regulation (EU) 2018/858) and that might be also used to test M1, N1 categories. This document covers fixed-bed roller brake testers with or without inspection pits and whose chassis are inside or outside the building. This document does not cover mobile roller or plate brake testers. These roller brake testers are used to take measurements for testing and assessing the efficiencies of the brake systems fitted to vehicles in the above-cited vehicle categories. The users of the roller brake tester are all kinds of staff that for any reason operate the roller brake testers (e.g. staff working in public transport, vehicle rental, vehicle maintenance, vehicle repair, training, test laboratories and vehicle inspection sectors ...). This document is not applicable to roller brake testers manufactured before the date of its publication.

Keel: en
Alusdokumendid: EN 17003:2021

EVS-EN ISO 11439:2013/A1:2021

Gas cylinders - High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles - Amendment 1 (ISO 11439:2013/Amd 1:2021)

Amendment to EN ISO 11439:2013

Keel: en
Alusdokumendid: ISO 11439:2013/Amd 1:2021; EN ISO 11439:2013/A1:2021
Muudab dokumenti: EVS-EN ISO 11439:2013

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 11592-2:2021

Väikelaevad. Maksimaalse käitursüsteemi võimsuse kindlaksmääramine manööverdamiskiirust kasutades. Osa 2: 8 m kuni 24 m kerepikkusega laev
Small craft - Determination of maximum propulsion power rating using manoeuvring speed - Part 2: Craft with a length of hull between 8 m and 24 m (ISO 11592-2:2021)

This document specifies the requirements for determining the maximum propulsion power rating using manoeuvring speed for engine-driven craft with a length of the hull (LH, as defined in ISO 8666) between 8 m and 24 m. This document is applicable to craft with a calculated Froude number (Fn) ≥ 1,1. This document is not applicable to: - inflatable craft, as defined by ISO 6185-4; - craft designed and constructed solely for competitive racing (racing craft); - craft primarily designed not to be engine driven. This document does not specify craft constructional strength requirements related to maximum propulsion power rating and does not guarantee stability under all conditions of seaway, wind, wakes and waves.

Keel: en
Alusdokumendid: ISO 11592-2:2021; EN ISO 11592-2:2021

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2755:2021

Aerospace series - Bearing, spherical, plain in corrosion resisting steel with self-lubricating liner - Elevated load at ambient temperature - Technical specification

This document specifies the required characteristics, inspection and test methods, qualification and acceptance conditions for a spherical plain bearing in corrosion resisting steel, with self-lubricating liner, for elevated loads at ambient temperature intended for use in fixed or moving parts of the aircraft structure and control mechanisms. This document applies whenever referenced.

Keel: en
Alusdokumendid: EN 2755:2021
Asendab dokumenti: EVS-EN 2755:2009

59 TEKSTIILI- JA NAHATEHNOLOOGIA

CEN/TS 14237:2021
Textiles for healthcare and social services facilities

This document recommends characteristics, test methods and minimum performance specifications for unused textile for the healthcare and social service facilities (hospitals, residential care homes, etc.) to give guidance on the suitability of products intended to be maintained by industrial laundering. This document is not applicable to surgical textiles under the Medical Devices Directive nor protective clothing under the PPE Directive.

Keel: en
Alusdokumendid: CEN/TS 14237:2021
Asendab dokumenti: CEN/TS 14237:2015

EVS-EN ISO 2076:2021
Textiles - Man-made fibres - Generic names (ISO 2076:2021)

This document defines the generic names used to designate the different categories of man-made fibres, based on a main polymer, currently manufactured on an industrial scale for textile and other purposes, together with the distinguishing attributes that characterize them. The term “man-made fibres” has been adopted for those fibres obtained by a manufacturing process, as distinct from materials which occur naturally in fibrous form. This document gives recommendations of rules for the creation of the generic name (see Annex A). NOTE These rules have been introduced in the sixth edition of ISO 2076, and thus, they are not applicable to the existing generic names of the previous editions.

Keel: en
Alusdokumendid: ISO 2076:2021; EN ISO 2076:2021
Asendab dokumenti: EVS-EN ISO 2076:2013

EVS-EN ISO 20932-1:2020/A1:2021
Textiles - Determination of the elasticity of fabrics - Part 1: Strip tests - Amendment 1 (ISO 20932-1:2018/Amd 1:2021)

Amendment to EN ISO 20932-1:2020

Keel: en
Alusdokumendid: ISO 20932-1:2018/Amd 1:2021; EN ISO 20932-1:2020/A1:2021
Muudab dokumenti: EVS-EN ISO 20932-1:2020

61 RÕIVATÖÖSTUS

EVS-EN ISO 16190:2021
Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAHs) in footwear materials (ISO 16190:2021)

This document specifies a method to determine the amounts of polycyclic aromatic hydrocarbons (PAHs) in footwear and footwear components. NOTE A list of relevant materials can be found in ISO/TR 16178:2021, Table 1.

Keel: en
Alusdokumendid: ISO 16190:2021; EN ISO 16190:2021
Asendab dokumenti: CEN ISO/TS 16190:2013

65 PÕLLUMAJANDUS

EVS-EN 15784:2021
Animal feeding stuffs: Methods of sampling and analysis - Detection and enumeration of Bacillus spp. used as feed additive

This document specifies general rules for the enumeration of bacilli in feeding stuffs (additives, premixtures and compound feeds including mineral feeds) [4] that contain bacilli as a single microorganism component or in a mixture with other microorganisms. There are different categories of feed samples: a) Additives containing about 1010 colony forming units (CFU)/g; b) Premixtures containing about 1011 CFU/kg; c) Compound feeds, meal or pellets containing about 109 CFU/kg.

Keel: en
Alusdokumendid: EN 15784:2021
Asendab dokumenti: EVS-EN 15784:2009

EVS-EN 15786:2021
Animal feeding stuffs: Methods of sampling and analysis - Detection and enumeration of Pediococcus spp. used as feed additive

This document specifies general rules for the enumeration of pediococci in feeding stuffs (additives, premixtures and compound feeds excluding mineral feeds) that contain pediococci as a single microorganism component or in a mixture with other microorganisms. Applying the method to premixtures and compound feeds with critical amounts of copper demands a special

procedure (see A.2). The document is not applicable to mineral feeds which are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Regulation (EC) 767/2009) [3]. There are different categories of feed samples: a) Additives containing about 1010 colony forming units (CFU)/g; b) Premixtures containing about 1011 CFU/kg; c) Compound feeds, meal or pellets which contain about 109 CFU/kg.

Keel: en
Alusdokumendid: EN 15786:2021
Asendab dokumenti: EVS-EN 15786:2009

EVS-EN 15787:2021

Animal feeding stuffs: Methods of sampling and analysis - Detection and enumeration of Lactobacillus spp. used as feed additive

This document specifies general rules for the enumeration of lactobacilli in feeding stuffs (additives, premixtures and compound feeds excluding mineral feeds) that contain lactobacilli as a single microorganism component or in a mixture with other microorganisms. Applying the method to premixtures and compound feeds with critical amounts of copper demands a special procedure (see A.2). The document is not applicable to mineral feeds, which are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Regulation (EC) No 767/2009) [3]. There are different categories of feed samples: a) Additives containing about 1010 colony forming units (CFU)/g; b) Premixtures containing about 1011 CFU/kg; c) Compound feeds, meal or pellets which contain about 109 CFU/kg.

Keel: en
Alusdokumendid: EN 15787:2021
Asendab dokumenti: EVS-EN 15787:2009

EVS-EN 15788:2021

Animal feeding stuffs: Methods of sampling and analysis - Detection and enumeration of Enterococcus (E. faecium) spp. used as feed additive

This document specifies general rules for the enumeration of enterococci (E. faecium) in feeding stuffs (additives, premixtures and compound feeds excluding mineral feeds) that contain enterococci as a single microorganism component or in a mixture with other microorganisms. Applying the method to premixtures and compound feeds with critical amounts of copper demands a special procedure (see A.2). The document is not applicable to mineral feeds which are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Regulation (EC) 767/2009) [4]. There are different categories of feed samples: a) Additives containing about 1010 colony forming units (CFU)/g; b) Premixtures containing 1011 CFU/kg; c) Compound feeds, meal or pellets which contain about 109 CFU/kg.

Keel: en
Alusdokumendid: EN 15788:2021
Asendab dokumenti: EVS-EN 15788:2009

EVS-EN 15789:2021

Animal feeding stuffs: Methods of sampling and analysis - Detection and enumeration of Saccharomyces cerevisiae used as feed additive

This document specifies general rules for the enumeration of Saccharomyces cerevisiae in feeding stuffs (additives, premixtures and compound feeds excluding mineral feeds) that contain Saccharomyces cerevisiae as a single microorganism component or in a mixture with other microorganisms. Applying the method to premixtures and compound feeds with critical amounts of copper demands a special procedure (see Annex A). The document is not applicable to mineral feeds, which are defined as complementary feeding stuffs composed mainly of minerals and containing at least 40 % crude ash (Regulation (EC) 767/2009) [3]. There are different categories of feed samples: a) Additives containing about 1010 colony forming units (CFU)/g; b) Premixtures containing about 1011 CFU/kg; c) Compound feeds, meal or pellets which contain about 109 CFU/kg.

Keel: en
Alusdokumendid: EN 15789:2021
Asendab dokumenti: EVS-EN 15789:2009

EVS-EN 17547:2021

Animal feeding stuffs: Methods of sampling and analysis - Determination of vitamin A, E and D content - Method using solid phase extraction (SPE) clean-up and high-performance liquid chromatography (HPLC)

This document specifies a method for the determination of the content of the total vitamin A (retinol), vitamin E (α-tocopherol) and vitamin D3 (cholecalciferol) in animal feed using solid phase extraction (SPE) clean-up and high-performance liquid chromatography (HPLC). NOTE The procedure also enables determination of vitamin D2 but with the use of another internal standard. The method is fully validated only for vitamin D3. The method has been successfully tested in collaborative trial for complete feed for broilers, pigs, and turkey, for premixture for broilers and piglets, for complementary feed for cows and mineral feed within the following ranges: • vitamin A: 4 365 IU/kg - 4 118 352 IU/kg; • vitamin E: 22 mg/kg - 13 800 mg/kg; • vitamin D3: 1 668 IU/kg - 1 638 150 IU/kg. The limits of quantification were not determined within the validation study. Quantification limits of 1 100 IU for vitamin A/kg (using UV-detection), 4 mg for vitamin E/kg (using UV-detection), 2 mg for vitamin E/kg (using fluorescence detection) and 2 000 IU for vitamin D/kg (using UV-detection) should be normally achieved. Lower limits are possible provided they are validated by the user.

Keel: en
Alusdokumendid: EN 17547:2021

EVS-EN ISO 11680-1:2021

Metsatöömasinad. Mootoriga kõrglaasimissaagide ohutusnõuded ja katsetamine. Osa 1: Sisepõlemismootoriga varustatud masinad
Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 1: Machines fitted with an integral combustion engine (ISO 11680-1:2021)

This document specifies safety requirements and measures for their verification for the design and construction of portable, hand-held, pole-mounted powered pruners (hereafter named “machine”), including extendable and telescopic machines, having an integral combustion engine as their power source. These machines use a power transmission shaft to transmit power to a cutting attachment consisting of a saw-chain and guide bar, a reciprocating saw blade or a single-piece circular saw blade with a 205 mm maximum outside diameter. Methods for the elimination or reduction of hazards arising from the use of these machines and the type of information on safe working practices to be provided by the manufacturer are specified. This document deals with all significant hazards, hazardous situations or hazardous events with the exception of electric shock from contact with overhead electric lines (apart from warnings and advice for inclusion in the instructions), relevant to these machines when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex A). This document is applicable to portable, hand-held, pole-mounted powered pruners manufactured after its date of publication. Brush cutters with a circular saw blade are not included in the scope of this document. NOTE Brush cutter requirements are outlined in ISO 11806-1:2021

Keel: en
Alusdokumendid: ISO 11680-1:2021; EN ISO 11680-1:2021
Asendab dokumenti: EVS-EN ISO 11680-1:2011

EVS-EN ISO 11680-2:2021

Metsatöömasinad. Mootoriga kõrglaasimissaagide ohutusnõuded ja katsetamine. Osa 2: Seljal kantava jõuallikaga masinad
Machinery for forestry - Safety requirements and testing for pole-mounted powered pruners - Part 2: Machines for use with backpack power source (ISO 11680-2:2021)

This document specifies safety requirements and measures for their verification for the design and construction of portable, hand-held, pole-mounted powered pruners with a backpack power unit (hereafter referred to as “machine”). These machines use a power transmission shaft to transmit power to a cutting attachment consisting of a combination of saw-chain and guide bar, a reciprocating saw blade or a single-piece circular saw blade with a 205 mm maximum outside diameter. Methods for the elimination or reduction of hazards arising from the use of these machines and the type of information on safe working practices to be provided by the manufacturer are specified. This document, together with the relevant sections of ISO 11680-1:2021, deals with all significant hazards, hazardous situations or hazardous events, with the exception of electric shock from contact with overhead electric lines (apart from warnings and advices for inclusion in the instructions) and whole-body vibration from the backpack power unit, relevant to these machines when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. NOTE 1 A standardized test procedure for measuring whole-body vibration from the backpack power unit is not available at the date of publication. NOTE 2 See Annex A for a list of significant hazards. This document is applicable to portable, hand-held, pole-mounted powered pruners with backpack power unit manufactured after its date of publication.

Keel: en
Alusdokumendid: ISO 11680-2:2021; EN ISO 11680-2:2021
Asendab dokumenti: EVS-EN ISO 11680-2:2011

EVS-EN ISO 4254-6:2020/A11:2021

Põllumajandusmasinad. Ohutus. Osa 6: Pritsid ja vedelväetise laotussüsteemid
Agricultural machinery - Safety - Part 6: Sprayers and liquid fertilizer distributors (ISO 4254-6:2020)

Amendment to EN ISO 4254-6:2020

Keel: en
Alusdokumendid: EN ISO 4254-6:2020/A11:2021
Muudab dokumenti: EVS-EN ISO 4254-6:2020

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 12873-4:2021

Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes

This document describes a test method for laboratory evaluation of possible adverse effects of water treatment membrane elements and modules on drinking water quality. In principle it is applicable to microfiltration, ultrafiltration, nanofiltration, reverse osmosis and electrodialysis modules for use in the treatment of public water supplies and of water inside buildings. NOTE Such devices can vary considerably in design and operation and hence some modification of the procedures can be required. Evaluation of the efficiency of the membrane filter in removing contaminants from the treated water is not included.

Keel: en
Alusdokumendid: EN 12873-4:2021
Asendab dokumenti: EVS-EN 12873-4:2006

EVS-EN 13870:2015+A1:2021

Toidutöötlemismasinad. Portsjoniteks lõikamise masinad. Ohutus- ja hügieeninõuded
Food processing machinery - Portion cutting machines - Safety and hygiene requirements

1.1 General This European Standard covers portion cutting machines and accessories. This European Standard does not apply to automatic industrial slicing machines (see EN 16743:2016) and band saw machines (see EN 12268:2014).This European Standard defines requirements for the design and manufacture of portion cutting machines. The machines covered by this European Standard are used for continuous portioning of fresh, smoked or frozen meat with and without bones or of similar products by separation by means of a blade. This European Standard deals with all significant hazards, hazardous situations and events relevant to machines, appliances and machinery, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This European Standard deals with the hazards which can arise during commissioning, operation, maintenance and decommissioning of the machine. The European Standard does not deal with the specific hazards of loading devices. This European Standard is not applicable to portion cutting machines which are manufactured before the date of publication of this document by CEN. 1.2 Types of machinery This European Standard covers the following types of machinery: - Portion cutting machines with manual loading (see Figure 1); - Portion cutting machines with automatic loading (see Figure 2). 1.3 Machine construction Portion cutting machines depending on the construction consist of: machine housing (machine frame), fixed or moving product bases, automatic or manually operated grippers, hold-down unit, blade housing, blade, discharge device, associated drives, electrical, hydraulic or pneumatic components. Portion cutting machines in the scope of this document may be equipped with the following auxiliary components: - loading aid; - discharge conveyor belt; - laying unit; - measurement or scanning devices; - scales; - sorting station (e.g. rocker, pusher); - movement devices (e.g. castors). 1.4 Intended use The intended use (as defined in EN ISO 12100:2010, 3.23) of portion cutting machines as dealt with in this document is described in 1.1. The product is manually placed on the product base or automatically fed to the product base with a loading device. The product is supplied to the blade by automatic or manually operated grippers or conveyor slide or belt and the cutting process begins. The portion falls onto a discharge conveyor or a laying unit.

Keel: en
Alusdokumendid: EN 13870:2015+A1:2021
Asendab dokumenti: EVS-EN 13870:2015

71 KEEMILINE TEHNOLOOGIA

EVS-EN IEC 61010-2-033:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage

IEC 61010-2-033:2019 specifies safety requirements for hand-held multimeters for domestic and professional use, capable of measuring mains. Hand-held multimeters are multi-range multifunction measuring instruments intended to measure voltage and other electrical quantities such as resistance or current. Their primary purpose is to measure voltage on a live mains. They are suitable to be supported by one hand during normal use. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - The scope has been reduced to hand-held multimeters. Voltmeters and clamp multimeters have been removed. They are addressed respectively by IEC 61010-2-030 and IEC 61010-2-032. The relevant definitions have been removed. - Subclause 4.4.2.101 has been relocated into Clause 102. - Clearances and creepage distances for wet locations and for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. have been specified. - Subclause 14.101 related to "Circuits or components used as transient overvoltage limiting devices in measuring circuits used to measure mains" has been removed. - References to IEC 61010-031 for probe assemblies and IEC 61010-2-032 for current sensors have been added. - Requirements for protection against mains overvoltage measuring circuits have been added. - Clause 102 has been rewritten. - Requirements for measuring circuits from 1 000 V to 3 000 V have been added. - An informative Annex CC about dimensions of 4-mm banana terminals has been added. - A flowchart for insulation according to the type of circuit has been added in a new Annex DD.

Keel: en
Alusdokumendid: IEC 61010-2-033:2019; EN IEC 61010-2-033:2021
Asendab dokumenti: EVS-EN 61010-2-033:2012

EVS-EN IEC 61010-2-033:2021/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded kodu- ja professionaalkasutuseks sobivatele käeshoitavatele mitmepiirkonnalistele mõõteriistadele ja muudele mõõteriistadele, mis võimaldavad mõõta võrgupinget
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring mains voltage

This document applies to electrical equipment using signals in the frequency range 3 kHz to 95 kHz to transmit or receive information on low voltage electrical systems, for electricity suppliers and distributors. In the case of equipment which includes functions other than the transmission or reception of information on LV distribution networks or installations of network users connected to the public electricity distribution network, this document applies only to that part of the equipment intended for such transmission or reception of information. Other parts of the equipment are expected to comply with the immunity standard

or standards relevant to the functions of those other parts. The object of this document is to contribute to ensuring EMC in general. It specifies essential immunity requirements and test methods, including those tests which are to be performed during type-testing of MCE, for electromagnetic interference (EMI) generated on LV installations. It defines the methods and requirements for testing immunity concerning the basic function of an MCE, in relation to continuous and transient disturbances, both conducted and radiated, and electrostatic discharges. Test requirements are specified for each port considered. Furthermore it provides guidelines for the assessment of the performance of the communication function of an MCE. Normative specifications are under consideration. This document gives limits which are applicable to MCE used by electricity suppliers and distributors (e.g. DSOs) for purposes like energy management and network monitoring and automation. The levels do not however cover extreme cases which could occur in any location but with a low probability of occurrence. In special cases situations will arise where the level of disturbances could exceed the levels specified in this document, e.g. where a hand-held transmitter is used in proximity of an apparatus. In these instances special mitigation measures might have to be employed. It does not specify immunity between MCE operating in the same nominal frequency band or immunity to signals originating from power line carrier systems operating on high or medium-voltage networks. Safety considerations are not included in this document.

Keel: en
Alusdokumendid: EN IEC 61010-2-033:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-033:2021

EVS-EN IEC 61010-2-040:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-040: Erinõuded meditsiinimaterjalide töötlemiseks kasutavatele sterilisaatoritele ja desinfitseerimis-pesuseadmetele
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials

IEC 61010-2-040:2020 specifies safety requirements for electrical equipment intended for sterilization, washing, and disinfection of medical materials in the medical, veterinary, pharmaceutical and laboratory fields, when used under the environmental conditions of 1.4. Examples of such equipment include the following: - sterilizers and disinfectors using steam and/or hot water as the sterilant; - sterilizers and disinfectors using toxic gas, toxic aerosol or toxic vapour as the sterilant; - sterilizers and disinfectors using hot air or hot inert gas as the sterilant; and - washer-disinfectors. This third edition cancels and replaces the second edition published in 2015. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - it is established on the basis of the third edition (2010) of IEC 61010-1 and its Amendment 1 (2016); - added tolerance for stability of a.c. voltage test equipment to 6.8.3.1; - the status of a Group Safety Publication has been removed (this does not change the technical requirements in the document).

Keel: en
Alusdokumendid: IEC 61010-2-040:2020; EN IEC 61010-2-040:2021
Asendab dokumenti: EVS-EN 61010-2-040:2015

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 13760:2021

Vedelgaasi seadmed ja lisavarustus. Kerg- ja raskeveokite automaatsed vedelgaasi tankimissüsteemid. Tankimispüstol, katsenõuded ja mõõtmed
LPG equipment and accessories - Automotive LPG filling system for light and heavy duty vehicles - Nozzle, test requirements and dimensions

This document specifies the minimum design, construction, test requirements and the critical dimensions for filling nozzles for the dispensing of automotive Liquefied Petroleum Gas (LPG) to vehicles of categories M and N, as defined in Regulation (EU) 2018/858 [2], that are fitted with the Euro filling unit (light duty or heavy duty).

Keel: en
Alusdokumendid: EN 13760:2021
Asendab dokumenti: EVS-EN 13760:2003

EVS-EN 15491:2021

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

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

Keel: en
Alusdokumendid: EN 15491:2021
Asendab dokumenti: EVS-EN 15491:2007

EVS-EN ISO 22854:2021

Vedelkütused. Süsivesinikrühmade ja hapnikku sisaldavate ühendite määramine mootoribensiinis ja etanoolkütuses (E85). Mitmemõõtmeline gaaskromatograafiline meetod
Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method (ISO 22854:2021)

Selles dokumendis täpsustatakse mootoribensiini ja etanoolkütuses (E85) olevate küllastunud, olefiinsete ja aromaatsete süsivesinike gaaskromatograafilise (gas chromatographic, GC) määramise katsemeetodit. Lisaks saab määrata benseeni- ja tolueenisisalduse, hapnikuga rikastatud ühendite sisalduse ja kogu hapnikusisalduse. MÄRKUS 1 Selle dokumendi tähenduses kasutatakse aine kohta väljendit „% (m/m)“ aine massiosa w tähistamiseks ja väljendit „% (V/V)“ mahuosa murdosa φ tähistamiseks. Selles dokumendis määratletakse kaks toimingut: A ja B. Toimingut A saab kasutada mootoribensiinil, kus aromaatide üldsisaldus on 19,32 % (V/V) kuni 46,29 % (V/V), olefiinide üldsisaldus 0,40 % (V/V) kuni 26,85 % (V/V), hapnikuühendite sisaldus 0,61 % (V/V) kuni 9,85 % (V/V), hapnikusisaldus 1,50 % (m/m) kuni 12,32 % (m/m), benseenisisaldus 0,38 % (V/V) kuni 1,98 % (V/V) ja tolueenisisaldus 5,85 % (V/V) kuni 31,65 % (V/V). Toimingut kasutati ka üksikutel hapniku ühenditel. Täpsus määrati metanooli üldmahule 1,05 % (V/V) kuni 16,96 % (V/V), etanooli üldmahule 0,50 % (V/V) kuni 17,86 % (V/V) , MTBE kogumahule 0,99 % (V/V) kuni 15,70 % (V/V), ETBE kogumahule 0,99 % (V/V) kuni 15, 49 % (V/V), TAME üldmahule 0,99 % (V/V) kuni 5,92 % (V/V) ja TAEE üldmahule 0,98 % (V/V) kuni 15,59 % (V/V). Kuigi seda toimingut saab kasutada suurema, üle 50 % (V/V), olefiinisisalduse määramiseks, määrati olefiinide täpsust ainult vahemikus 0,40 % (V/V) kuni 26,85 % (V/V). Kuigi see toiming töötati välja eraldi hapniku ühendeid sisaldava mootoribensiini analüüsimiseks, võib seda kasutada ka teistel sarnaste keemisvahemikega süsivesinikel, nagu näiteks naftad ja reformaadid. MÄRKUS 2 Toimingu A puhul kontrolliti selle dokumendi rakendatavust ka n-propanooli, atsetooni ja diisopropüüleetri (di-isopropyl ether, DIPE) määramiseks. Nende ühendite kohta pole siiski täpsust kindlaks tehtud. Toiming B kirjeldab hapnikku sisaldavate ühendite (etanool, metanool, eetrid, C3 kuni C5 alkoholid) analüüsi etanoolkütustes (E85), mille etanoolisisaldus on vahemikus 50 % (V/V) kuni 85 % (V/V). Mootoribensiin lahjendatakse hapnikuvaba ühendiga, et vähendada etanoolisisaldust enne GC analüüsi alla 20 % (V/V) väärtuseni. Proovi süsivesinikke saab täielikult analüüsida. Lahjendatud proovi täpsus on ainult hapnikuühendite rühma kohta. MÄRKUS 3 Toimingu B puhul saab täpsust kasutada etanoolisisaldusel ligikaudu 50 % (V/V) kuni 85 % (V/V). Eetrisisalduse kohta võib tabelis 6 toodud täpsust kasutada proovide puhul, kui eetrisisaldus on vähemalt 11 % (V/V). Suurema alkoholisisalduse kohta saadi täieliku täpsuse saamiseks liiga vähe andmeid ja seetõttu on tabelis 6 esitatud andmed ainult soovituslikud. MÄRKUS 4 C9 ja C10 aromaatsed ühendid võivad kattuda. Üldine tulemus on siiski õige. Isopropüülbenseen eraldatakse C8 aromaatsetest ühenditest ja ühineb teiste C9 aromaatsete ühenditega.

Keel: en, et
Alusdokumendid: ISO 22854:2021; EN ISO 22854:2021
Asendab dokumenti: EVS-EN ISO 22854:2016

77 METALLURGIA

EVS-EN 12385-5:2021/AC:2021

Terastraadist trossid. Ohutus. Osa 5: Köistrossid liftidele
Steel wire ropes - Safety - Part 5: Stranded ropes for lifts

This document specifies the particular materials, manufacturing and testing requirements for stranded ropes for suspension, compensating and governor duties for traction drive and hydraulic lifts moving between guides and similar applications. The particular hazards covered by this Part are identified in Clause 4. This document does not establish requirements for information for use other than those given in Clause 7 of Part 1. Neither does it cover the requirements for ropes fitted with terminations. Minimum breaking force values for the more common classes, sizes and grades of rope are provided in Tables 6 to 10.

Keel: en
Alusdokumendid: EN 12385-5:2021/AC:2021
Parandab dokumenti: EVS-EN 12385-5:2021

79 PUIDUTEHNOLOOGIA

EVS-EN 14322:2021

Wood-based panels - Melamine faced boards for interior uses - Definition, requirements and classification

This document specifies the surface requirements and dimensional tolerances for decorative melamine faced boards for interior use which are common for particleboards, extruded particleboards fibreboards and sandwich boards for furniture. This document is not applicable to boards laminated with so called priming foils or finish foils and laminates according to EN 438-1 and EN 438-2. This document is not applicable to laminate floor coverings. Melamine faced wood-based boards in accordance with this document can be referred to as MFB.

Keel: en
Alusdokumendid: EN 14322:2021
Asendab dokumenti: EVS-EN 14322:2017

EVS-EN 14323:2021

Wood-based panels - Melamine faced boards for interior uses - Test methods

This document specifies test methods for the determination of characteristics of melamine faced boards (MFB) in accordance with EN 14322.

Keel: en

Alusdokumendid: EN 14323:2021
Asendab dokumenti: EVS-EN 14323:2017

EVS-EN ISO 19085-14:2021

Puidutöötlemismasinad. Ohutus. Osa 14: Freesmasinad neljapoolseks töötluseks
Woodworking machines - Safety - Part 14: Four-sided moulding machines (ISO 19085-14:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary four sided moulding machines with a maximum working width of 350 mm and a maximum speed of the integrated workpiece feed of 200 m/min, with electrical and/or electronic control system, hereinafter referred to as “machines” designed to cut solid wood and materials with similar physical characteristics to wood (see ISO 19085-1:2017, 3.2). It deals with all significant hazards, hazardous situations and events as listed in Clause 4 relevant to machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases are taken into account. NOTE: For relevant but not significant hazards, e.g. sharp edges of the machine frame, see ISO 12100:2010. It is also applicable to machines fitted with one or more of the following devices / additional working units, whose hazards have been dealt with: - universal spindle; - glass bead saw unit - fixed or movable work-piece support; - quick tool changing system - laser marking unit - automatic work-piece returner - in-feed hopper - in-feed loading table This part of ISO 19085 does not deal with any hazards related to: a) in-feed devices other than in-feed hopper and in-feed loading table (magazines, etc.); NOTE: For mechanical in-feed devices which also prevent access to the in-feed opening, see 6.6.4. b) out-feed devices (e.g. mechanical handling systems) except for hazards related to ejection from the machine due to climb cutting c) single machine being used in combination with any other machine (as part of a line); It is not applicable to machines intended for use in potentially explosive atmosphere and to machines manufactured prior to its publication.

Keel: en
Alusdokumendid: ISO 19085-14:2021; EN ISO 19085-14:2021
Asendab dokumenti: EVS-EN 12750:2013

EVS-EN ISO 19085-15:2021

Puidutöötlemismasinad. Ohutus. Osa 15: Pressid
Woodworking machines - Safety - Part 15: Presses (ISO 19085-15:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary manually loaded and unloaded: - cold presses, - hot presses, - bending presses, - edge/face gluing presses, - membrane presses, - embossing presses, where pressing force is applied by hydraulic actuators pushing two flat or shaped surfaces against each other, hereinafter referred to as "machines". It deals with all significant hazards, hazardous situations and events as listed in Clause 4 relevant to machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also transport, assembly, dismantling, disabling and scrapping phases are taken into account. NOTE: For relevant but not significant hazards, e.g. sharp edges of the machine frame, see ISO 12100:2010. It is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: - Device for hot gluing - Device for high frequency gluing - Device for high frequency shaping - Automatic work-piece loading and unloading system - intermediate additional platens - work-piece extractor - work-piece clamping pressure beam - split moveable platens. The machines are designed to process work-pieces consisting of: - solid wood; - materials with similar characteristics to wood (see ISO 19085-1:2017, 3.2); - honeycomb. This part of ISO 19085 does not deal with any hazards related to: - specific devices that differ from the list above; - hot fluid heating systems internal to the machine other than electrical; - any hot fluid heating systems external to the machine; - operation of taking intermediate platens out and in again; - the combination of a single machine being used with any other machine (as part of a line). It is not applicable to: - frame presses; - membrane presses where the pressing force is applied by vacuum only; - presses for producing chipboard, fibreboard, OSB; - machines intended for use in potentially explosive atmosphere; - machines manufactured before the date of its publication as an international standard.

Keel: en
Alusdokumendid: ISO 19085-15:2021; EN ISO 19085-15:2021

EVS-EN ISO 19085-16:2021

Puidutöötlemismasinad. Ohutus. Osa 16: Tislerilintsaed ja jaotuslintsaed
Woodworking machines - Safety - Part 16: Table band saws and band re-saws (ISO 19085-16:2021)

This document gives the safety requirements and measures for stationary and displaceable table band saws and band resaws with manual loading and/or unloading, designed to cut wood and materials with similar physical characteristics to wood, hereinafter referred to as “machines”. NOTE 1 For the definition of displaceable machine, see ISO 19085-1:2017, 3.5. It deals with all significant hazards, hazardous situations and events as listed in Clause 4, relevant to the machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account. NOTE 2 For relevant but not significant hazards, e.g. sharp edges of the machine frame, see ISO 12100:2010. It is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: a) device to tilt the table; b) device to tilt the saw unit. This document does not apply to: 1) machines driven by combustion engines or power take offs (PTO); 2) log band sawing machines; NOTE 3 Log band sawing machines are covered by EN 1807-2. 3) machines designed for cross-cutting round or irregular shaped work-pieces; 4) transportable / displaceable machines with a maximum length of the band saw blade of ≤ 2700 mm and a maximum diameter of the powered wheel of ≤ 350 mm; NOTE 4 Transportable electrically driven machines are covered by the requirements of EN 61029-1:2009 together with EN 61029-2-5:2015.

Keel: en
Alusdokumendid: ISO 19085-16:2021; EN ISO 19085-16:2021
Asendab dokumenti: EVS-EN 1807-1:2013

EVS-EN ISO 19085-2:2021

Puidutöötlemismasinad. Ohutus. Osa 2: Horisontaalasetusega ketassaed
Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2021)

This document gives the safety requirements and measures for horizontal beam panel circular sawing machines with the saw carriage of the front cutting line mounted below the workpiece support, which are manually and/or powered loaded and manually unloaded, capable of continuous production use, as defined in 3.1 and hereinafter referred to as “machines”. This document deals with all significant hazards, hazardous situations and events as listed in Annex A, relevant to the machines, when operated, adjusted and maintained as intended and under the conditions foreseen by the manufacturer including reasonably foreseeable misuse. Also, transport, assembly, dismantling, disabling and scrapping phases have been taken into account. It is also applicable to machines fitted with one or more of the following devices/additional working units, whose hazards have been dealt with: - side pressure device; - device for powered unloading; - unit for scoring; - unit for post-formed/soft-formed edge pre-cutting; - panel turning device; - front side turn table; - pushing out device; - pneumatic clamping of the saw blade; - powered panel loading device; - device for grooving by milling tool; - one or more additional cutting lines inside the machine for longitudinal and/or head cut (before the transversal cutting line); - workpiece vacuum clamping as part of a front side turn table or of a panel loading device; - panel pusher; - independent panel pushers; - additional panel pushers mounted on the panel pusher carriage; - additional panel pusher with integrated label printer device; - lifting platform; - device for automatic loading of thin panels; - device for base board unloading by gravity; - device for base board powered unloading; - device for panel unloading in limited space condition; - loading or pre-loading roller conveyors; - pressure beam with additional flaps to increase dust extraction efficiency; - saw blade cooling system by air or water-air or oil-air; - vibrating conveyor with/without trimming unit for offcuts management; - predisposition for top loading/unloading by an external system directly on the machine table and/or on the machine preloading roller conveyor and/or on the machine lifting table. NOTE base board is a support panel underlying the panel stack, to protect the panels from damages during transportation. The machines are designed for cutting panels consisting of: a) solid wood; b) material with similar physical characteristics to wood (see ISO19085-1:2021, 2); c) gypsum boards, gypsum bounded fibreboards; d) composite materials, with core consisting of e.g. polyurethane or mineral material, laminated with light alloy; e) cardboard; f) foam board; g) matrix engineered mineral boards, silicate boards; h) polymer-matrix composite materials and reinforced thermoplastic/thermoset/elastomeric materials; i) aluminium light alloy plates with a maximum thickness of 10 mm; j) composite boards made from the materials listed above. This document does not deal with hazards related to: - specific features different from those listed above; - the machining of panels with milling tools for grooving; - powered unloading of panels; - rear half of split pressure beam on the front cutting line; - the combination of a single machine being used with any other machine (as part of a line). It is not applicable to: - machines intended for use in potentially explosive atmospheres; - machines manufactured prior to the date of its publication.

Keel: en
Alusdokumendid: ISO 19085-2:2021; EN ISO 19085-2:2021
Asendab dokumenti: EVS-EN ISO 19085-2:2017

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 17618:2021

Adhesives - Wood-to-wood adhesive bonds for non-structural applications - Determination of shear strength by compressive loading

This document specifies a method for adhesives for wood and derived solid wood products for determining the shear strength and wood failure percentage of wood-to-wood adhesive bonds loaded in compression. These parameters allow to define different working properties of adhesives (e.g. final bond strength, pressing time, closed assembly time). Annex A gives information required prior to testing.

Keel: en
Alusdokumendid: EN 17618:2021

EVS-EN 17619:2021

Classification of wood adhesives for non-structural timber products for exterior use

This document establishes a classification of wood adhesives for non-structural applications for exterior use without protection by an adequate surface coating. This document specifies performance requirements and durability classes of such adhesives for use in an environment corresponding to the defined conditions. The performance requirements of this document apply to the adhesive only, not to wooden products. This document is primarily intended to assess the performance of adhesives. The requirements apply to the type testing of the adhesives. Production control activities are outside the scope of this document. NOTE For the assessment of end product bonding quality, see Annex A.

Keel: en
Alusdokumendid: EN 17619:2021

EVS-EN ISO 22403:2021

Plastics - Assessment of the intrinsic biodegradability of materials exposed to marine inocula under mesophilic aerobic laboratory conditions - Test methods and requirements (ISO 22403:2020)

This document specifies test methods and criteria for showing intrinsic biodegradability in marine environments of virgin plastic materials and polymers without any preliminary environmental exposure or pre-treatment. Test methods applied in this document are carried out at temperatures in the mesophilic range under aerobic conditions and are aimed to show ultimate biodegradability, i.e. conversion into carbon dioxide, water and biomass. This document neither assesses the constituents, such as regulated metals or substances hazardous to the environment, nor potential ecotoxic effects but intrinsic biodegradability

only. These aspects will be considered in a separate standard covering the overall environmental impact of products intentionally or accidentally released in the marine environment. This document does not cover the performance of products made from biodegradable plastic materials and biodegradable polymers. Lifetime and biodegradation rates in the sea of products made with biodegradable plastic materials are generally affected by the specific environmental conditions and by thickness and shape. Although results might indicate that the tested plastic materials and polymers biodegrade under the specified test conditions at a certain rate, the results of any laboratory exposure cannot be directly extrapolated to marine environments at the actual site of use or leakage. This document is not applicable for "marine biodegradable" claims of biodegradable plastic materials. For such purpose, see relevant product standards, if available. The testing scheme specified in this document does not provide sufficient information for determining the specific biodegradation rate (i.e. the rate per available surface area) of the material under testing. For such purpose, see relevant standards about specific biodegradation rate, if available.

Keel: en
Alusdokumendid: ISO 22403:2020; EN ISO 22403:2021

EVS-EN ISO 22404:2021

Plastics - Determination of the aerobic biodegradation of non-floating materials exposed to marine sediment - Method by analysis of evolved carbon dioxide (ISO 22404:2019)

This document specifies a laboratory test method to determine the degree and rate of aerobic biodegradation level of plastic materials. This test method can also be applied to other materials. Biodegradation is determined by measuring the CO2 evolved by the plastic material when exposed to marine sediments sampled from a sandy tidal zone and kept wet with salt-water under laboratory conditions. This test method is a simulation under laboratory conditions of the habitat found in sandy tidal zone that, in marine science, is called eulittoral zone. The conditions described in this document might not always correspond to the optimum conditions for the maximum degree of biodegradation to occur. Deviations from the test conditions described in this document are justified in the test report.

Keel: en
Alusdokumendid: ISO 22404:2019; EN ISO 22404:2021

EVS-EN ISO 22526-1:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 1: General principles (ISO 22526-1:2020)

This document specifies the general principles and the system boundaries for the carbon and environmental footprint of biobased plastic products. It is an introduction and a guidance document to the other parts of the ISO 22526 series. This document is applicable to plastic products and plastic materials, polymer resins, which are based from biobased or fossil-based constituents.

Keel: en
Alusdokumendid: ISO 22526-1:2020; EN ISO 22526-1:2021

EVS-EN ISO 22526-2:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 2: Material carbon footprint, amount (mass) of CO2 removed from the air and incorporated into polymer molecule (ISO 22526-2:2020)

This document defines the material carbon footprint as the amount (mass) of CO2 removed from the air and incorporated into plastic, and specifies a determination method to quantify it. This document is applicable to plastic products, plastic materials and polymer resins that are partly or wholly based on biobased constituents.

Keel: en
Alusdokumendid: ISO 22526-2:2020; EN ISO 22526-2:2021

EVS-EN ISO 22526-3:2021

Plastics - Carbon and environmental footprint of biobased plastics - Part 3: Process carbon footprint, requirements and guidelines for quantification (ISO 22526-3:2020)

This document specifies requirements and guidelines for the quantification and reporting of the process carbon footprint of biobased plastics (see ISO 22526-1), being a partial carbon footprint of a bioplastic product, based on ISO 14067 and consistent with International Standards on life cycle assessment (ISO 14040 and ISO 14044). This document is applicable to process carbon footprint studies (P-CFP) of plastic materials, being a partial carbon footprint of a product, whether or not the results are intended to be publicly available. Requirements and guidelines for the quantification of a partial carbon footprint of a product (partial CFP) are provided in this document. The process carbon footprint study is carried out according to ISO 14067 as a partial carbon footprint, using the specific conditions and requirements specified in this document. Where the results of a P-CFP study are reported according to this document, procedures are provided to support transparency and credibility, and also to allow for informed choices. Offsetting is outside of the scope of this document.

Keel: en
Alusdokumendid: ISO 22526-3:2020; EN ISO 22526-3:2021

EVS-EN ISO 22766:2021

Plastics - Determination of the degree of disintegration of plastic materials in marine habitats under real field conditions (ISO 22766:2020)

This document specifies test methods for the determination of the degree of disintegration of plastic materials exposed to marine habitats under real field conditions. The marine areas under investigation are the sandy sublittoral and the sandy eulittoral zone where plastic materials can either be placed intentionally (e.g. biodegradable fishing nets) or end up as litter due to irresponsible human behaviour. This depends on their physical characteristics, form and size of the materials, and on water currents and tidal movements. This document specifies the general requirements of the apparatus, and the procedures for using the test methods described. The determination of the level of disintegration of plastic materials exposed to pelagic zones such as the sea surface or the water column above the seafloor are not within the scope of this document. This document is not suitable for the assessment of disintegration caused by heat or light exposure. The described field test is a disintegration test and not a biodegradation test. Therefore, it cannot be used for demonstrating biodegradation or for making unqualified claims such as "biodegradable in marine environment" and similar..

Keel: en
Alusdokumendid: ISO 22766:2020; EN ISO 22766:2021

EVS-EN ISO 23977-1:2021

Plastics - Determination of the aerobic biodegradation of plastic materials exposed to seawater - Part 1: Method by analysis of evolved carbon dioxide (ISO 23977-1:2020)

This document specifies a laboratory test method for determining the degree and rate of the aerobic biodegradation level of plastic materials. Biodegradation is determined by measuring the CO2 evolved from plastic materials when exposed to seawater sampled from coastal areas under laboratory conditions. The conditions described in this document might not always correspond to the optimum conditions for the maximum degree of biodegradation, however this test method is designed to give an indication of the potential biodegradability of plastic materials. NOTE This document addresses plastic materials but can also be used for other materials.

Keel: en
Alusdokumendid: ISO 23977-1:2020; EN ISO 23977-1:2021

EVS-EN ISO 23977-2:2021

Plastics - Determination of the aerobic biodegradation of plastic materials exposed to seawater - Part 2: Method by measuring the oxygen demand in closed respirometer (ISO 23977-2:2020)

This document specifies a laboratory test method for determining the degree and rate of the aerobic biodegradation level of plastic materials. Biodegradation of plastic materials is determined by measuring the oxygen demand in a closed respirometer when exposed to seawater sampled from coastal areas under laboratory conditions. The conditions described in this document might not always correspond to the optimum conditions for the maximum degree of biodegradation, however this test method is designed to give an indication of the potential biodegradability of plastic materials. NOTE This document addresses plastic materials but can also be used for other materials.

Keel: en
Alusdokumendid: ISO 23977-2:2020; EN ISO 23977-2:2021

85 PABERITEHNOLOOGIA

EVS-EN 1034-4:2021

Masinate ohutus. Ohutusnõuded paberivalmistus- ja viimistlusmasinate projekteerimisele ja ehitamisele. Osa 4: Purustusseadmed ja nende laadimissüsteemid
Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 4: Pulpers and their loading facilities

This document specifies safety requirements. This document is applicable to pulpers and their loading facilities intended for use in paper making as well as for pulpers used in pulp drying machines and is intended to be used together with EN 1034 1:2021. This document deals with all significant hazards, hazardous situations or hazardous events relevant to pulpers and their loading facilities, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document does not apply to pulpers and their loading facilities that have been manufactured before the date of publication of this document.

Keel: en
Alusdokumendid: EN 1034-4:2021
Asendab dokumenti: EVS-EN 1034-4:2005+A1:2010

EVS-EN 17545:2021

Paper and board - Determination of Composition of Paper and Board for Recycling by gravimetric analysis

This document describes a procedure to gravimetrically determine the physical composition of paper and board for recycling by manually separating/sorting the individual components (including any unwanted materials) and determining the relative masses.

Keel: en
Alusdokumendid: EN 17545:2021

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

EVS-EN ISO 22553-13:2021
Paints and varnishes - Electro-deposition coatings - Part 13: Determination of re-solving behaviour (ISO 22553-13:2021)

This document specifies a method for determining the re-solving effect of electro-deposition coatings. It applies to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-13:2021; EN ISO 22553-13:2021

EVS-EN ISO 22553-14:2021
Paints and varnishes - Electro-deposition coatings - Part 14: Deposition behaviour (ISO 22553-14:2021)

This document specifies a method for determining the deposition behaviour of an electro-deposition coating (e-coat) on various substrates and with various pre-treatments. It applies to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-14:2021; EN ISO 22553-14:2021

91 EHITUSMATERJALID JA EHITUS

CEN/TS 17659:2021
Design guideline for mechanically fastened roof waterproofing systems

This document gives guidance for the design of a roof waterproofing system mechanically fastened to the structural deck in relation to wind load resistance. This document is intended to be used together with EN 16002 and the relevant clauses of EAD-030351-00-0402-2019. This guideline does not include the seperate fastening requirements of the insulation boards, the securement to upstands, perimeter fastening, flashings or other roof details.

Keel: en
Alusdokumendid: CEN/TS 17659:2021

CEN/TS 19100-1:2021
Design of glass structures - Part 1: Basis of design and materials

CEN/TS 19100-1 gives basic design rules for mechanically supported glass components. This document is concerned with the requirements for resistance, serviceability, fracture characteristics and glass component failure consequences in relation to human safety, robustness, redundancy and durability of glass structures. (2) This document covers the basis of design, materials, durability and structural design. (3) This document also covers construction rules for the structural design of glass components. 1.2 Assumptions (1) The assumptions of EN 1990 apply to CEN/TS 19100-1. (2) This document is intended to be used in conjunction with EN 1990, EN 1991 (all parts), EN 1993-1-1, EN 1995-1-1, EN 1998-1, EN 1999-1-1 and EN 12488.

Keel: en
Alusdokumendid: CEN/TS 19100-1:2021

CEN/TS 19100-2:2021
Design of glass structures - Part 2: Design of out-of-plane loaded glass components

CEN/TS 19100 2 gives basic structural design rules for mechanically supported glass components primarily subjected to out of plane loading. Out of plane loaded glass components are made of flat or curved glass components. NOTE Out of plane loads are loads acting normal (e.g wind) to or having a component (e.g dead load, snow, ...) acting normal to the glass plane. 1.2 Assumptions (1) The assumptions of EN 1990 apply to CEN/TS 19100-2. (2) This document is intended to be used in conjunction with EN 1990, EN 1991 (all parts), EN 1993-1-1, EN 1995-1-1, EN 1998-1, EN 1999-1-1 and EN 12488.

Keel: en
Alusdokumendid: CEN/TS 19100-2:2021

CEN/TS 19100-3:2021
Design of glass structures - Part 3: Design of in-plane loaded glass components and their mechanical joints

This document gives design rules for mechanically supported glass components primarily subjected to in-plane loading. It also covers construction rules for mechanical joints for in-plane loaded glass components. NOTE In-plane loaded glass elements are primarily subjected to in-plane loads, e.g. transferred from adjacent parts of a structure. They can also be subjected to out-of-plane loading. 1.2 Assumptions (1) The assumptions of EN 1990 apply to this document. (2) This document is intended to be used in conjunction with EN 1990, EN 1991 (all parts), EN 1993-1-1, EN 1995-1- 1, EN 1998-1, EN 1999-1-1 and EN 12488.

Keel: en
Alusdokumendid: CEN/TS 19100-3:2021

CEN/TS 19103:2021

Eurocode 5: Design of Timber Structures - Structural design of timber-concrete composite structures - Common rules and rules for buildings

CEN/TS 19103 gives general design rules for timber-concrete composite structures. (2) It provides requirements for materials, design parameters, connections, detailing and execution for timber-concrete composite structures. Recommendations for environmental parameters (temperature and moisture content), design methods and test methods are given in the Annexes. (3) It includes rules common to many types of timber-concrete composite, but does not include details for the design of glued timber-concrete composites, nor for bridges. NOTE For the design of glued timber-concrete composites or bridges alternative references are available. (4) It covers the design of timber-concrete composite structures in both quasi-constant and variable environmental conditions. For ease of use, it provides simple design rules for quasi-constant environmental conditions and more complex rules for variable environmental conditions. 1.2 Assumptions (1) The general assumptions of EN 1990 apply. (2) CEN/TS 19103 is intended to be used in conjunction with EN 1990, EN 1991 (all parts), EN 1992 (all parts), EN 1994 (all parts), EN 1995 (all parts), EN 1998 (all parts) when timber structures are built in seismic regions, and ENs for construction products relevant to timber structures.

Keel: en
Alusdokumendid: CEN/TS 19103:2021

EVS-EN 1004-2:2021

Mobile access and working towers made of prefabricated elements - Part 2: Rules and guidelines for the preparation of an instruction manual

This document gives rules and guidelines for the preparation of instruction manuals for mobile access and working towers in accordance with EN 1004-1, Mobile access and working towers made of prefabricated elements - Part 1: Materials, dimensions, design loads, safety and performance requirements. This document is intended for all parties involved in the preparation of instructions for use, for example: suppliers, technical writers, technical illustrators, translators or other people engaged in the work of conceiving and drafting such instructions for use.

Keel: en
Alusdokumendid: EN 1004-2:2021
Asendab dokumenti: EVS-EN 1298:2000

EVS-EN 14459:2021

Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment

EN 13611:2019, Clause 1 is replaced by the following: This document specifies methods for the classification and assessment of function blocks for burners and appliances burning one or more gaseous or liquid fuels with particular regards to their fault behaviour and preventative measures. This document is applicable to new control function blocks, not covered by dedicated control standards.

Keel: en
Alusdokumendid: EN 14459:2021
Asendab dokumenti: EVS-EN 14459:2015

EVS-EN 15502-1:2021

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

This European Standard specifies the common requirements and test methods, as well as the classification, marking and energy labelling of gas-fired central heating boilers that are fitted with atmospheric burners, fan assisted atmospheric burners or fully premixed burners, and are hereafter referred to as “boilers”. This European Standard is to be used in conjunction with the specific Parts 2 (Part 2-1 and following ones). This European Standard applies to boilers of types B and C. NOTE For further background information on appliance types see CEN/TR 1749:2014 [1]. a) that use one or more combustible gases of the three gas families at the pressures stated in EN 437; b) where the temperature of the water is below or above 105 °C during normal operation; c) where the maximum operating pressure in the water circuit does not exceed 6 bar; d) which can give rise to condensation under certain circumstances; e) which are declared in the instructions for installation to be either a "condensing" boiler or a "low temperature boiler" or a "standard boiler" or an "other boiler". If no declaration is given the boiler is to be considered both a "standard boiler" and an "other boiler"; NOTE The Ecodesign Directive defines "other boilers", "low temperature boilers" and "condensing boilers". The Boiler Efficiency Directive defines "standard boilers", "low temperature boilers" and "condensing boilers". Depending on the legislation applied, a boiler can be both "a standard boiler" and an "other boiler"." f) which are intended to be installed inside a building or in a partially protected place; g) which are intended to produce also hot water either by the instantaneous or storage principle as a single unit. This European Standard applies to boilers designed for sealed water systems or for open water systems. NOTE This general standard and the specific standards (see Part 2) provide requirements for boilers with known constructions. For boilers with any alternative constructions, which might not fully be covered by this standard or a specific standard, the risk associated with this alternative construction will need to be assessed. An example of an assessment methodology, based upon risk assessment, is given in Clause 11. This European Standard is not intended to cover appliances intended for connection to gas grids where the quality of the distributed gas is likely to vary to a large extent over the lifetime of the appliance (see Annex EE). This European Standard is not intended to cover appliances designed and constructed to burn gas containing toxic components.

Keel: en
Alusdokumendid: EN 15502-1:2021
Asendab dokumenti: EVS-EN 15502-1:2012+A1:2015

EVS-EN 15942:2021

Sustainability of construction works - Environmental product declarations - Communication format business-to-business

This document is applicable to all construction products and services related to buildings and construction works. It specifies and describes the communication format for the information defined in EN 15804 for business-to-business communication to ensure a common understanding through consistent communication of information. NOTE This document does not deal with business-to-consumer communication and is not intended for that purpose. Business-to-consumer communication format is planned to be the subject of a future document.

Keel: en
Alusdokumendid: EN 15942:2021
Asendab dokumenti: EVS-EN 15942:2011

EVS-EN 16867:2020+A1:2021

Building hardware - Mechatronic door furniture - Requirements and test methods

1.1 General This document applies to Mechatronic door furniture (MDF) fitted on the door set which gives the possibility to control the locking and/or release part through an electronic authorization means. This can be operable by credentials (i.e. card, code, biometric). The MDF, according to this document, is combined with locks according to EN 12209, EN 14846, EN 15685 or can be a part of an emergency exit device according to EN 179, EN 1125 or EN 13637. The MDF can be standalone or linkable to an external control system. The document would allow classifying the MDF upon several characteristics such as category of use, durability, environmental, security, and type of operating device. The suitability of the MDF for use on fire or smoke-door assemblies is determined by fire resistance tests conducted in addition to the performance testing specified by this document. 1.2 Exclusions This document does not cover: - mechatronic cylinders according to EN 15684; - electromechanical operated locks and striking plates according to EN 14846.

Keel: en
Alusdokumendid: EN 16867:2020+A1:2021
Asendab dokumenti: EVS-EN 16867:2020

EVS-EN 1990:2002+NA:2002/AC:2021

Eurokoodeks. Ehituskonstruktsioonide projekteerimise alused
Eurocode - Basis of structural design

Standardi EVS-EN 1990:2002+NA:2002 parandus

Keel: et
Parandab dokumenti: EVS-EN 1990:2002+NA:2002

EVS-EN 246:2021

Sanitary tapware - General specifications for aerators

This document specifies: - the dimensional, mechanical, hydraulic and acoustic characteristics with which sanitary tapware aerators (with and without flow regulation) should comply; - the procedures for testing these characteristics. This document is applicable to: - Sanitary tapware aerators intended to be mounted on tapware used with sanitary appliances in toilets, bathrooms and kitchens (e.g. single taps, combination tap assemblies, mechanical mixing valves, thermostatic mixing valves); - Sanitary tapware aerators used under the following pressure and temperature conditions (see Table 1). [Table 1: Conditions for the use of aerators] NOTE 1 Sanitary tapware aerators can only be connected downstream of the obturator of the sanitary tapware product. NOTE 2 For the purposes of brevity, sanitary tapware aerators will be detailed only as aerators in the rest of this document. NOTE 3 The tests described in this document are type tests (laboratory tests) and not quality control tests carried out during manufacture. NOTE 4 Aerator swivels are to be tested in combination with a specific aerator only and are therefore considered to be sanitary tapware accessories. (Testing of the stand-alone swivels is therefore not covered by the scope of this document. Where swivels are used they are considered to be part of the tapware constructions, e.g. for bidet taps).

Keel: en
Alusdokumendid: EN 246:2021
Asendab dokumenti: EVS-EN 246:2003

EVS-EN 508-3:2021

Plekist katuse- ja seinakattetooted. Isekandvate terasest, alumiiniumist ja roostevabast terasest plekist valmistatud toodete spetsifikatsioon. Osa 3: Roostevaba teras
Roofing and cladding products from metal sheet - Specification for self-supporting products of steel, aluminium or stainless steel sheet - Part 3: Stainless steel

See standardi EN 508 osa esitab nõuded katuste ja seinte kattena (fassaadi kattena), vooderduse, kassettprofiilidena ja katusekiviprofiilidena kasutatavale, mittepidevalt (tükkidena) paigaldatavale isekandvale profileeritud roostevabast terasest plekile, mis on täiendava metall- ja/või orgaanilise pinnakattega või ilma. Samuti kuulub käsitlusalasse soojustusega ja membraaniga kaetud plekk. See dokument kehtestab üldised omadused, määratlused, klassifikatsiooni ning toodete sildistamise koos nõuetega materjalidele, millest neid tooteid võib valmistada. Standard on mõeldud kasutamiseks nii tootjatele, tagamaks toodete vastavuse nõuetele, kui ka ostjatele, veendumaks, et tooted vastavad nõuetele enne nende tehasest väljastamist. Standard määratleb nõuded toodetele, mida on võimalik kasutada kõigis normaalsetes ekspluatatsioonitingimustes. See dokument kehtib kõigile mittepidevalt paigaldatavatele isekandvatele väliskasutuse profileeritud katuseplaatidele, seinakatetele, vooderdustele, kassettprofiilidele ja katusekiviprofiiliga toodetele, välja arvatud katusekiviprofiiliga tooted, mille pind on väiksem kui 1 m2 ning mis on toodetud stantsimise teel. Need profileeritud

katuseplaadid on kujundatud, takistamaks tuule, vihma ja lume hoonesse sattumist ning edastamaks kõik summaarsed koormused ja harva esinevad hoolduskoormused kandekonstruktsioonile. See dokument ei hõlma kandekonstruktsiooniks ette nähtud tooteid, st see hõlmab konstruktsiooniklassi III kuuluvaid ehitistes kasutatavaid tooteid (standardi EN 1993-1-3 kohaselt), ei hõlma aga konstruktsiooniklassidesse I ja II kuuluvaid ehitistes kasutatavaid tooteid (standardi EN 1993-1-3 kohaselt), mis on ette nähtud hoone konstruktsiooni üldise või osalise stabiilsuse kindlustamiseks, tagades lõiketugevuse või vastupanu püsivatele staatilistele koormustele (välja arvatud pleki omakaal). Standard ei sisalda nõudeid kandekonstruktsiooni, katuse- või seinakatte, vooderduse ja katusekiviprofiilide kujunduse ning ühenduste ja hüdroisolatsiooni teostuse kohta.

Keel: en, et
Alusdokumendid: EN 508-3:2021
Asendab dokumenti: EVS-EN 508-3:2008

EVS-EN IEC 60335-2-84:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilet appliances

This European Standard deals with the safety of electric toilet appliances having a rated voltage being not more than 250 V, in which excrement is stored, dried or destructed or which wash or dry parts of the human body.

Keel: en
Alusdokumendid: IEC 60335-2-84:2019; EN IEC 60335-2-84:2021
Asendab dokumenti: EVS-EN 60335-2-84:2003
Asendab dokumenti: EVS-EN 60335-2-84:2003/A1:2008
Asendab dokumenti: EVS-EN 60335-2-84:2003/A2:2019

EVS-EN IEC 60335-2-84:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-84: Erinõuded tualetiseadmetele
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilet appliances

This European Standard deals with the safety of electric toilet appliances having a rated voltage being not more than 250 V, in which excrement is stored, dried or destructed or which wash or dry parts of the human body.

Keel: en
Alusdokumendid: EN IEC 60335-2-84:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 60335-2-84:2021

EVS-EN IEC 63159-1:2021

Household electric instantaneous water heaters - Methods for measuring the performance - Part 1: General aspects

This document applies to electric instantaneous water heaters for domestic hot water heating for household and similar applications, which show both of the following characteristics: - fulfilling at least one load pattern from Annex A; - heating up to temperatures below the boiling temperature. This document specifies terms, definitions and measurement methods for the assessment of energy efficiency. This document does not take into account requirements regarding the safety of the appliances.

Keel: en
Alusdokumendid: IEC 63159-1:2021; EN IEC 63159-1:2021

EVS-EN IEC 63159-2-1:2021

Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-1: Multifunctional electric instantaneous water heaters

This clause of IEC 63159-1:2021 is applicable with the following exception: Addition: This document applies to electrical instantaneous water heaters designed to operate as multifunctional appliances with an electric rated power > 2 kW. This document specifies tests for the assessment of the performance.

Keel: en
Alusdokumendid: IEC 63159-2-1:2021; EN IEC 63159-2-1:2021

EVS-EN IEC 63159-2-2:2021

Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-2: Efficiency of single point of use electric instantaneous water heaters

This clause of IEC 63159-1:2021 is applicable except as follows. Addition: This document applies to open outlet, single point-of-use, electric instantaneous water heaters intended for household or similar use, for showering purposes without downstream mixing. This document only specifies tests for the assessment of energy efficiency. This document does not apply to electrical instantaneous water heaters covered by other parts of this series of standards.

Keel: en
Alusdokumendid: IEC 63159-2-2:2021; EN IEC 63159-2-2:2021

EVS-EN ISO 12571:2021

Hygrothermal performance of building materials and products - Determination of hygroscopic sorption properties (ISO 12571:2021)

This document specifies two alternative methods for determining hygroscopic sorption properties of porous building materials and products: a) using desiccators and weighing cups (desiccator method); b) using a climatic chamber (climatic chamber method). The desiccator method is the reference method. This document does not specify the method for sampling. The methods specified in this document can be used to determine the moisture content of a sample in equilibrium with air at a specific temperature and humidity.

Keel: en
Alusdokumendid: ISO 12571:2021; EN ISO 12571:2021
Asendab dokumenti: EVS-EN ISO 12571:2013

93 RAJATISED

CEN/TS 13598-3:2021

Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Assessment of conformity

This document gives guidance for requirements for the assessment of conformity of materials (compounds/formulations), products, joints and assemblies in accordance with the applicable part(s) of EN 13598-1 and EN 13598-2 intended to be included in the manufacturer's quality plan as part of the quality management system and for the establishment of certification procedures. NOTE 1 The quality management system is expected to conform to or be no less stringent than the relevant requirements of EN ISO 9001 [1]. NOTE 2 If certification is involved, the certification body is expected to be compliant with EN ISO/IEC 17065 [5]. NOTE 3 A basic test matrix provides an overview of the testing scheme in Annex A. In conjunction with EN 13598-1 and EN 13598-2 (see Foreword) this document is applicable to ancillary fittings including shallow chambers and manholes and inspection chambers.

Keel: en
Alusdokumendid: CEN/TS 13598-3:2021
Asendab dokumenti: CEN/TS 13598-3:2012

EVS-EN 12697-48:2021

Bituminous mixtures - Test methods - Part 48: Interlayer Bonding

This document specifies test methods for determining the bond strength between an asphalt layer and other newly constructed construction layers or existing substrates in road or airfield pavements. The tests can also be applied on laboratory prepared interlayers. The normative tests described in this document are: — Torque Bond Test (TBT), generally applicable to any layer thicknesses; — Shear Bond Test (SBT), generally applicable to layer thicknesses > 15 mm; — Tensile Adhesion Test (TAT), generally applicable to layer thicknesses ≤ 15 mm. NOTE Further non normative test methods are described in informative annexes: — Annex A (informative) - Compressed Shear Bond Test (CSBT); — Annex B (informative) - Alternative Shear Bond Test (ASBT); — Annex C (informative) - Layer Adhesion Measuring Instrument (LAMI).

Keel: en
Alusdokumendid: EN 12697-48:2021

EVS-EN 13286-1:2021

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

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

Keel: en
Alusdokumendid: EN 13286-1:2021
Asendab dokumenti: EVS-EN 13286-1:2003

EVS-EN 13286-4:2021

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

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

Keel: en
Alusdokumendid: EN 13286-4:2021
Asendab dokumenti: EVS-EN 13286-4:2003

EVS-EN 13286-47:2021

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

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

Keel: en
Alusdokumendid: EN 13286-47:2021
Asendab dokumenti: EVS-EN 13286-47:2012

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 17695:2021

Safety of toys - Mechanical and physical properties - Guidance on categorisation of projectile toys within EN 71-1

The purpose of this technical report is to assist users of EN 71-1 with the categorisation of projectile toys under clause 4.17 of that standard. This report looks at various types of toys, commonly available in the market and indicates under which part of 4.17 they should be assessed. Various types of projectile launching products will not be considered toys (for example, a catapult used for angling), further guidance on the categorisation of toy products can be found in EU commission Explanatory guidance document.

Keel: en
Alusdokumendid: CEN/TR 17695:2021

EVS-EN 14459:2021

Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment

EN 13611:2019, Clause 1 is replaced by the following: This document specifies methods for the classification and assessment of function blocks for burners and appliances burning one or more gaseous or liquid fuels with particular regards to their fault behaviour and preventative measures. This document is applicable to new control function blocks, not covered by dedicated control standards.

Keel: en
Alusdokumendid: EN 14459:2021
Asendab dokumenti: EVS-EN 14459:2015

EVS-EN 17520:2021

Mägironimisvarustus. Julgestusotsad. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Personal belay lanyards - Safety requirements and test methods

This document specifies safety requirements and test methods for lanyards intended to be the primary connection between the climber and the belay stance with the ability to withstand a dynamic impact. Lanyards intended only for positioning (e.g. daisy chain) or energy absorption in via ferrata or lanyards for rope courses are not covered by this document.

Keel: en
Alusdokumendid: EN 17520:2021

EVS-EN 60335-2-27:2014/AC:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-27: Erinõuded naha kiiritusseadmetele, mis põhinevad optilisel kiirgusel
Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation

Standardite EVS-EN 60335-2-27:2014/A1:2020, EVS-EN 60335-2-27:2014/A2:2020,EVS-EN 60335-2-27:2014 ja EVS-EN 60335-2-27:2014+A1+A2:2020 parandus

Keel: en, et
Alusdokumendid: EN 60335-2-27:2013/AC:2021-11
Parandab dokumenti: EVS-EN 60335-2-27:2014
Parandab dokumenti: EVS-EN 60335-2-27:2014/A1:2020
Parandab dokumenti: EVS-EN 60335-2-27:2014/A2:2020
Parandab dokumenti: EVS-EN 60335-2-27:2014+A1+A2:2020

EVS-EN 892:2012+A2:2021

Mägironimisvarustus. Dünaamilised mägironimisköied. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods

This European Standard specifies safety requirements and test methods for dynamic ropes (single, half and twin ropes) in kernmantel construction for use in mountaineering including climbing.

Keel: en
Alusdokumendid: EN 892:2012+A2:2021
Asendab dokumenti: EVS-EN 892:2012+A1:2016

EVS-EN IEC 60335-2-90:2021/A1:2021

Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens

This European Standard deals with the safety of microwave appliances intended for commercial use, their rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances.

Keel: en
Alusdokumendid: IEC 60335-2-90:2015/A1:2019; EN IEC 60335-2-90:2021/A1:2021
Muudab dokumenti: EVS-EN IEC 60335-2-90:2021

EVS-EN IEC 60335-2-96:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

This European Standard deals with the safety of flexible sheet heating elements intended to be incorporated into floors and walls below 1,2 m and above 2,3 m and in ceilings, their rated voltage being not more than 250 V for single-phase installations and 480 V for other installations.

Keel: en
Alusdokumendid: IEC 60335-2-96:2019; EN IEC 60335-2-96:2021
Asendab dokumenti: EVS-EN 60335-2-96:2003
Asendab dokumenti: EVS-EN 60335-2-96:2003/A1:2004
Asendab dokumenti: EVS-EN 60335-2-96:2003/A2:2009

EVS-EN IEC 60335-2-96:2021/A11:2021

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele painduvatele õhukestele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

This European Standard deals with the safety of flexible sheet heating elements intended to be incorporated into floors and walls below 1,2 m and above 2,3 m and in ceilings, their rated voltage being not more than 250 V for single-phase installations and 480 V for other installations.

Keel: en
Alusdokumendid: EN IEC 60335-2-96:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 60335-2-96:2021

EVS-EN ISO 23999:2021

Resilient floor coverings - Determination of dimensional stability and curling after exposure to heat (ISO 23999:2021)

This document specifies a method for determining dimensional stability and curling of resilient floor coverings, in the form of sheets, tiles or planks after exposure to heat.

Keel: en
Alusdokumendid: ISO 23999:2021; EN ISO 23999:2021
Asendab dokumenti: EVS-EN ISO 23999:2018

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 10286:2015
Gaasiballoonid. Terminoloogia
Gas cylinders - Terminology (ISO 10286:2015)

Keel: en
Alusdokumendid: EN ISO 10286:2015; ISO 10286:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 10286:2021
Standardi staatus: Kehtetu

EVS-EN ISO 2076:2013
Textiles - Man-made fibres - Generic names (ISO 2076:2013)

Keel: en
Alusdokumendid: ISO 2076:2013; EN ISO 2076:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 2076:2021
Standardi staatus: Kehtetu

EVS-EN ISO 7711-3:2005
Pöörlevad hambaraviinstrumendid. Teemantinstrumendid. Osa 3: Terasuurused, tähistamine ja värvuskood
Dental rotary instruments - Diamond instruments - Part 3: Grit sizes, designation and colour code

Keel: en
Alusdokumendid: ISO 7711-3:2004; EN ISO 7711-3:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 7711-1:2021
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

CEN ISO/TS 16775:2014
Packaging for terminally sterilized medical devices - Guidance on the application of ISO 11607-1 and ISO 11607-2 (ISO/TS 16775:2014)

Keel: en
Alusdokumendid: ISO/TS 16775:2014; CEN ISO/TS 16775:2014
Asendatud järgmise dokumendiga: CEN ISO/TS 16775:2021
Standardi staatus: Kehtetu

CEN/TS 14237:2015
Textiles for healthcare and social services facilities

Keel: en
Alusdokumendid: CEN/TS 14237:2015
Asendatud järgmise dokumendiga: CEN/TS 14237:2021
Standardi staatus: Kehtetu

EVS-EN 13624:2013
Keemilised desinfektsioonivahendid ja antiseptikumid. Kvantitatiivne suspensioonkatse fungitsiidse toime määramiseks meditsiinivaldkonnas. Katsemeetod ja nõuded (2. faas, 1. etapp)
Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area - Test method and requirements (phase 2, step 1)

Keel: en
Alusdokumendid: EN 13624:2013
Asendatud järgmise dokumendiga: EVS-EN 13624:2021
Standardi staatus: Kehtetu

EVS-EN ISO 7711-1:1999
Pöörlevad hambaraviinstrumendid. Teemantinstrumendid. Osa 1: Mõõtmed, nõuded, märgistus ja pakendamine

Dental rotary instruments - Diamond instruments - Part 1: Dimensions, requirements, marking and packaging

Keel: en
Alusdokumendid: ISO 7711-1:1997; EN ISO 7711-1:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 7711-1:2021
Muudetud järgmise dokumendiga: EVS-EN ISO 7711-1:1999/A1:2009
Standardi staatus: Kehtetu

EVS-EN ISO 7711-1:1999/A1:2009

Pöörlevad hambaraviinstrumendid. Teemantinstrumendid. Osa 1: Mõõtmed, nõuded, märgistus ja pakendamine
Dental rotary instruments - Diamond instruments - Part 1: Dimensions, requirements, marking and packaging

Keel: en
Alusdokumendid: ISO 7711-1:1998/Amd 1:2009; EN ISO 7711-1:1998/A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 7711-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 7711-3:2005

Pöörlevad hambaraviinstrumendid. Teemantinstrumendid. Osa 3: Terasuurused, tähistamine ja värvuskood
Dental rotary instruments - Diamond instruments - Part 3: Grit sizes, designation and colour code

Keel: en
Alusdokumendid: ISO 7711-3:2004; EN ISO 7711-3:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 7711-1:2021
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 12260:2003

Water quality - Determination of nitrogen - Determination of bound nitrogen (TN sub b), following oxidation to nitrogen oxides

Keel: en
Alusdokumendid: EN 12260:2003
Asendatud järgmise dokumendiga: EVS-EN ISO 20236:2021
Standardi staatus: Kehtetu

EVS-EN 12873-4:2006

Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes

Keel: en
Alusdokumendid: EN 12873-4:2006
Asendatud järgmise dokumendiga: EVS-EN 12873-4:2021
Standardi staatus: Kehtetu

EVS-EN 14735:2005

Characterization of waste - Preparation of waste samples for ecotoxicity tests

Keel: en
Alusdokumendid: EN 14735:2005 + AC:2006
Asendatud järgmise dokumendiga: EVS-EN 14735:2021
Parandatud järgmise dokumendiga: EVS-EN 14735:2005/AC:2013
Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Safety of household and similar electrical appliances - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002; EN 60335-2-96:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-96:2003/A1:2004
Muudetud järgmise dokumendiga: EVS-EN 60335-2-96:2003/A2:2009

Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003/A1:2004

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Safety of household and similar electrical appliances - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002/A1:2003; EN 60335-2-96:2002/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003/A2:2009

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002/A2:2008; EN 60335-2-96:2002/A2:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Standardi staatus: Kehtetu

EVS-EN 60695-2-12:2010

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

Keel: en
Alusdokumendid: IEC 60695-2-12:2010; EN 60695-2-12:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-12:2021
Muudetud järgmise dokumendiga: EVS-EN 60695-2-12:2010/A1:2014
Standardi staatus: Kehtetu

EVS-EN 60695-2-12:2010/A1:2014

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

Keel: en
Alusdokumendid: IEC 60695-2-12:2010/A1:2014; EN 60695-2-12:2010/A1:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-12:2021
Standardi staatus: Kehtetu

EVS-EN ISO 20344:2011

Isikukaitsevahendid. Jalanõude katsemeetodid (ISO 20344:2011)
Personal protective equipment - Test methods for footwear (ISO 20344:2011)

Keel: en
Alusdokumendid: ISO 20344:2011; EN ISO 20344:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 20344:2021
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 60044-7:2002

Instrument transformers - Part 7: Electronic voltage transformers

Keel: en
Alusdokumendid: IEC 60044-7:1999; EN 60044-7:2000
Osaliselt asendatud järgmise dokumendiga: EVS-EN 61869-6:2016
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 61010-2-011:2017

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

Keel: en
Alusdokumendid: IEC 61010-2-011:2016; EN 61010-2-011:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-011:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-032:2012

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement (IEC 61010-2-032:2012)

Keel: en
Alusdokumendid: IEC 61010-2-032:2012; EN 61010-2-032:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-032:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-033:2012

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded käeshoitavatele mitmepiirkonnalistele mõõteriistadele. mis sobivad võrgupinge mõõtmiseks kodu- ja professionaalkasutusel
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters and other hand-held meters, for domestic and professional use, capable of measuring mains voltage

Keel: en
Alusdokumendid: IEC 61010-2-033:2012; EN 61010-2-033:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-033:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-040:2015

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-040 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials

Keel: en
Alusdokumendid: IEC 61010-2-040:2015; EN 61010-2-040:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-040:2021
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN ISO 10286:2015

Gaasiballoonid. Terminoloogia
Gas cylinders - Terminology (ISO 10286:2015)

Keel: en
Alusdokumendid: EN ISO 10286:2015; ISO 10286:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 10286:2021
Standardi staatus: Kehtetu

EVS-EN ISO 11114-2:2013

Gas cylinders - Compatibility of cylinder and valve materials with gas contents - Part 2: Non-metallic materials (ISO 11114-2:2013)

Keel: en
Alusdokumendid: ISO 11114-2:2013; EN ISO 11114-2:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 11114-2:2021
Asendatud järgmise dokumendiga: prEN ISO 19901-2
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 60974-8:2009

Kaarkeevitusseadmed. Osa 8: Seadmed gaasi juurdevoolu reguleerimiseks keevitustöödel ja plasma lõikamisüsteemid
Arc welding equipment - Part 8: Gas consoles for welding and plasma cutting systems

Keel: en
Alusdokumendid: IEC 60974-8:2009; EN 60974-8:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60974-8:2021
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 15502-1:2012+A1:2015
Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2012+A1:2015
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021
Standardi staatus: Kehtetu

EVS-EN 61724:2002
Photovoltaic system performance monitoring - Guidelines for measurement, data exchange and analysis

Keel: en
Alusdokumendid: IEC 61724:1998; EN 61724:1998
Osaliselt asendatud järgmise dokumendiga: EVS-EN 61724-1:2017
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 60695-2-12:2010
Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

Keel: en
Alusdokumendid: IEC 60695-2-12:2010; EN 60695-2-12:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-12:2021
Muudetud järgmise dokumendiga: EVS-EN 60695-2-12:2010/A1:2014
Standardi staatus: Kehtetu

EVS-EN 60695-2-12:2010/A1:2014
Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials

Keel: en
Alusdokumendid: IEC 60695-2-12:2010/A1:2014; EN 60695-2-12:2010/A1:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60695-2-12:2021
Standardi staatus: Kehtetu

EVS-EN 61954:2011
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011; EN 61954:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Muudetud järgmise dokumendiga: EVS-EN 61954:2011/A1:2013
Muudetud järgmise dokumendiga: EVS-EN 61954:2011/A2:2017
Standardi staatus: Kehtetu

EVS-EN 61954:2011/A1:2013
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011/A1:2013; EN 61954:2011/A1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Standardi staatus: Kehtetu

EVS-EN 61954:2011/A2:2017
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011/A2:2017; EN 61954:2011/A2:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Standardi staatus: Kehtetu

EVS-EN 62317-11:2016
Ferrite cores - Dimensions - Part 11: EC-cores for use in power supply applications

Keel: en
Alusdokumendid: IEC 62317-11:2015; EN 62317-11:2016

Asendatud järgmise dokumendiga: EVS-EN IEC 63093-11:2018
Standardi staatus: Kehtetu

EVS-EN 62317-12:2016
Ferrite cores - Dimensions - Part 12: Ring cores

Keel: en
Alusdokumendid: IEC 62317-12:2016; EN 62317-12:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 63093-12:2019
Standardi staatus: Kehtetu

EVS-EN 62317-14:2008
Ferrite cores - Dimensions - Part 14: EFD-cores for use in power supply applications

Keel: en
Alusdokumendid: IEC 62317-14:2008; EN 62317-14:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 63093-14:2019
Standardi staatus: Kehtetu

EVS-EN 62317-6:2016
Ferrite cores - Dimensions - Part 6: ETD-cores for use in power supplies

Keel: en
Alusdokumendid: IEC 62317-6:2015; EN 62317-6:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 63093-6:2018
Standardi staatus: Kehtetu

EVS-EN 62317-7:2005
Ferrite cores - Dimensions Part 7: EER-cores

Keel: en
Alusdokumendid: IEC 62317-7:2005; EN 62317-7:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 63093-7:2018
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61954:2011
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011; EN 61954:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Muudetud järgmise dokumendiga: EVS-EN 61954:2011/A1:2013
Muudetud järgmise dokumendiga: EVS-EN 61954:2011/A2:2017
Standardi staatus: Kehtetu

EVS-EN 61954:2011/A1:2013
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011/A1:2013; EN 61954:2011/A1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Standardi staatus: Kehtetu

EVS-EN 61954:2011/A2:2017
Static VAR compensators (SVC) - Testing of thyristor valves

Keel: en
Alusdokumendid: IEC 61954:2011/A2:2017; EN 61954:2011/A2:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61954:2021
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 50411-2-4:2012
Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 2-4: Sealed dome fibre splice closures Type 1, for category S & A

Keel: en
Alusdokumendid: EN 50411-2-4:2012
Asendatud järgmise dokumendiga: EVS-EN 50411-2-4:2021

Standardi staatus: Kehtetu

EVS-EN 61753-131-3:2011

Fibre optic interconnecting devices and passive components - Performance standard - Part 131-3: Singlemode mechanical fibre splice for category U - Uncontrolled environment

Keel: en
Alusdokumendid: IEC 61753-131-3:2010; EN 61753-131-3:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 61753-131-03:2021
Standardi staatus: Kehtetu

EVS-EN 61850-7-420:2009

Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources logical nodes

Keel: en
Alusdokumendid: IEC 61850-7-420:2009; EN 61850-7-420:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61850-7-420:2021
Standardi staatus: Kehtetu

EVS-EN 62209-1:2016

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz)

Keel: en
Alusdokumendid: IEC 62209-1:2016; EN 62209-1:2016
Asendatud järgmise dokumendiga: EVS-EN IEC/IEEE 62209-1528:2021
Standardi staatus: Kehtetu

EVS-EN 62209-2:2010

Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures- Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequencyrange of 30 MHz to 6 GHz)

Keel: en
Alusdokumendid: IEC 62209-2:2010; EN 62209-2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC/IEEE 62209-1528:2021
Muudetud järgmise dokumendiga: EVS-EN 62209-2:2010/A1:2019
Standardi staatus: Kehtetu

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

Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)

Keel: en
Alusdokumendid: IEC 62209-2:2010/A1:2019; EN 62209-2:2010/A1:2019
Asendatud järgmise dokumendiga: EVS-EN IEC/IEEE 62209-1528:2021
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CWA 16052-2:2013

ICT Certification in Europe - Part 2: ICT Certification in Action

Keel: en
Alusdokumendid: CWA 16052-2:2013
Standardi staatus: Kehtetu

CWA 16624-1:2013

e-Competence Framework for ICT Users - Part 1: Framework Content

Keel: en
Alusdokumendid: CWA 16624-1:2013
Standardi staatus: Kehtetu

CWA 16624-2:2013
e-Competence Framework for ICT Users - Part 2: User Guidelines

Keel: en
Alusdokumendid: CWA 16624-2:2013
Standardi staatus: Kehtetu

CWA 16624-3:2013
e-Competence Framework for ICT Users - Part 3: Development Guidelines

Keel: en
Alusdokumendid: CWA 16624-3:2013
Standardi staatus: Kehtetu

EVS-EN 15942:2011
Sustainability of construction works - Environmental product declarations - Communication format business-to-business

Keel: en
Alusdokumendid: EN 15942:2011
Asendatud järgmise dokumendiga: EVS-EN 15942:2021
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 13760:2003
Kerg- ja raskeveokite automaatsed LPG tankimissüsteemid. Otsik, katsenõuded ja mõõtmed Automative LPG filing system for light and heavy duty vehicles - Nozzle, test requirements and dimensions

Keel: en
Alusdokumendid: EN 13760:2003
Asendatud järgmise dokumendiga: EVS-EN 13760:2021
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 2755:2009
Aerospace series - Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Elevated load at ambient temperature - Technical specification

Keel: en
Alusdokumendid: EN 2755:2009
Asendatud järgmise dokumendiga: EVS-EN 2755:2021
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

CEN/TS 14237:2015
Textiles for healthcare and social services facilities

Keel: en
Alusdokumendid: CEN/TS 14237:2015
Asendatud järgmise dokumendiga: CEN/TS 14237:2021
Standardi staatus: Kehtetu

EVS-EN ISO 2076:2013
Textiles - Man-made fibres - Generic names (ISO 2076:2013)

Keel: en
Alusdokumendid: ISO 2076:2013; EN ISO 2076:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 2076:2021
Standardi staatus: Kehtetu

61 RÕIVATÖÖSTUS

CEN ISO/TS 16190:2013
Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials (ISO/TS 16190:2013)

Keel: en
Alusdokumendid: ISO/TS 16190:2013; CEN ISO/TS 16190:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 16190:2021
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN 15784:2009

Loomasööt. Eeldatava Bacillus spp. isoleerimine ja loendamine
Animal feeding stuffs - Isolation and enumeration of presumptive Bacillus spp.

Keel: en
Alusdokumendid: EN 15784:2009
Asendatud järgmise dokumendiga: EVS-EN 15784:2021
Standardi staatus: Kehtetu

EVS-EN 15786:2009

Loomasööt. Pediococcus spp. isoleerimine ja loendamine
Animal feeding stuffs - Isolation and enumeration of Pediococcus spp.

Keel: en
Alusdokumendid: EN 15786:2009
Asendatud järgmise dokumendiga: EVS-EN 15786:2021
Standardi staatus: Kehtetu

EVS-EN 15787:2009

Loomasööt. Lactobacillus spp. isoleerimine ja loendamine
Animal feeding stuffs - Isolation and enumeration of Lactobacillus spp.

Keel: en
Alusdokumendid: EN 15787:2009
Asendatud järgmise dokumendiga: EVS-EN 15787:2021
Standardi staatus: Kehtetu

EVS-EN 15788:2009

Loomasööt. Enterococcus spp. (E. faecium) isoleerimine ja loendamine
Animal feeding stuffs - Isolation and enumeration of Enterococcus (E. faecium) spp.

Keel: en
Alusdokumendid: EN 15788:2009
Asendatud järgmise dokumendiga: EVS-EN 15788:2021
Standardi staatus: Kehtetu

EVS-EN 15789:2009

Loomasööt. Probiootiliste pärmitüvede isoleerimine ja loendamine
Animal feeding stuffs - Isolation and enumeration of yeast probiotic strains

Keel: en
Alusdokumendid: EN 15789:2009
Asendatud järgmise dokumendiga: EVS-EN 15789:2021
Standardi staatus: Kehtetu

EVS-EN ISO 11680-1:2011

Metsatöömasinad. Elektriga töötavate mastlaasijate ohutusnõuded ja katsetamine . Osa 1: Sisepõlemismootoriga varustatud seadised (ISO 11680-1:2011)
Machinery for forestry - Safety requirements and testing for polemounted powered pruners - Part 1: Machines fitted with an integral combustion engine (ISO 11680-1:2011)

Keel: en
Alusdokumendid: ISO 11680-1:2011; EN ISO 11680-1:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 11680-1:2021
Standardi staatus: Kehtetu

EVS-EN ISO 11680-2:2011

Metsatöömasinad. Elektriga töötavate mastlaasijate ohutusnõuded ja katsetamine. Osa 2: Seljal kantava jõuallikaga masinad (ISO 11680-2:2011)
Machinery for forestry - Safety requirements and testing for polemounted powered pruners - Part 2: Machines for use with backpack power source (ISO 11680-2:2011)

Keel: en
Alusdokumendid: ISO 11680-2:2011; EN ISO 11680-2:2011

Asendatud järgmise dokumendiga: EVS-EN ISO 11680-2:2021
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 12873-4:2006
Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes

Keel: en
Alusdokumendid: EN 12873-4:2006
Asendatud järgmise dokumendiga: EVS-EN 12873-4:2021
Standardi staatus: Kehtetu

EVS-EN 13870:2015
Toidutöötlemismasinad. Portsjoniteks lõikamise masinad. Ohutus- ja hügieeninõuded
Food processing machinery - Portion cutting machines - Safety and hygiene requirements

Keel: en
Alusdokumendid: EN 13870:2015
Asendatud järgmise dokumendiga: EVS-EN 13870:2015+A1:2021
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 15491:2007
Ethanol as a blending component for petrol - Determination of total acidity - Colour indicator titration method

Keel: en
Alusdokumendid: EN 15491:2007
Asendatud järgmise dokumendiga: EVS-EN 15491:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-033:2012
Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-033: Erinõuded käeshoitavatele mitmepiirkonnalistele mõõteriistadele. mis sobivad võrgupinge mõõtmiseks kodu- ja professionaalkasutusel
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters and other hand-held meters, for domestic and professional use, capable of measuring mains voltage

Keel: en
Alusdokumendid: IEC 61010-2-033:2012; EN 61010-2-033:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-033:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-040:2015
Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-040 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials

Keel: en
Alusdokumendid: IEC 61010-2-040:2015; EN 61010-2-040:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-040:2021
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 13760:2003
Kerg- ja raskeveokite automaatsed LPG tankimissüsteemid. Otsik, katsenõuded ja mõõtmed
Automative LPG filing system for light and heavy duty vehicles - Nozzle, test requirements and dimensions

Keel: en
Alusdokumendid: EN 13760:2003
Asendatud järgmise dokumendiga: EVS-EN 13760:2021
Standardi staatus: Kehtetu

EVS-EN ISO 22854:2016

Vedelad naftatooted. Süsivesinike tüüpide ja hapnikuühendite määramine mootoribensiinis ja etanoolipõhises mootorikütuses (E85). Multidimensionaalne gaasikromatograafiline meetod
Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method (ISO 22854:2016)

Keel: en
Alusdokumendid: ISO 22854:2016; EN ISO 22854:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 22854:2021
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

EVS-EN 12750:2013

Puidutöötlemismasinate ohutus. Freesmasinad neljapoolseks töötluseks
Safety of woodworking machines - Four sided moulding machines

Keel: en
Alusdokumendid: EN 12750:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-14:2021
Standardi staatus: Kehtetu

EVS-EN 14322:2017

Wood-based panels - Melamine faced board for interior uses - Definition, requirements and classification

Keel: en
Alusdokumendid: EN 14322:2017
Asendatud järgmise dokumendiga: EVS-EN 14322:2021
Standardi staatus: Kehtetu

EVS-EN 14323:2017

Wood-based panels - Melamine faced boards for interior uses - Test methods

Keel: en
Alusdokumendid: EN 14323:2017
Asendatud järgmise dokumendiga: EVS-EN 14323:2021
Standardi staatus: Kehtetu

EVS-EN 1807-1:2013

Puidutöötlemismasinate ohutus. Lintsaed. Osa 1: Tislerilintsaed ja jaotuslintsaed
Safety of woodworking machines - Band sawing machines - Part 1: Table band saws and band re-saws

Keel: en
Alusdokumendid: EN 1807-1:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-16:2021
Standardi staatus: Kehtetu

EVS-EN ISO 19085-2:2017

Puidutöötlemismasinad. Ohutus. Osa 2: Horisontaalasetusega ketassaed
Woodworking machines - Safety - Part 2: Horizontal beam panel circular sawing machines (ISO 19085-2:2017, Corrected version 2017-11-01)

Keel: en
Alusdokumendid: EN ISO 19085-2:2017; ISO 19085-2:2017
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-2:2021
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 14186:2007

Advanced technical ceramics - Mechanical properties of ceramic composites at room temperature - Determination of elastic properties by an ultrasonic technique

Keel: en
Alusdokumendid: EN 14186:2007
Standardi staatus: Kehtetu

EVS-EN 725-10:2007

Spetsiaalne tehniline keraamika. Keraamiliste pulbermaterjalide katsemeetodid. Osa 10: Kokkusurutavuse määramine
Advanced technical ceramics - Methods of test for ceramic powders - Part 10: Determination of compaction properties

Keel: en
Alusdokumendid: EN 725-10:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 17172:2021
Standardi staatus: Kehtetu

EVS-EN 843-4:2005

Advanced technical ceramics - Mechanical properties of monolithic ceramics at room temperature - Part 4: Vickers, Knoop and Rockwell superficial hardness

Keel: en
Alusdokumendid: EN 843-4:2005
Standardi staatus: Kehtetu

85 PABERITEHNOLOOGIA

EVS-EN 1034-4:2005+A1:2010

Masinate ohutus. Ohutusnõuded paberivalmistamis- ja viimistlusmasinate kavandamisele ja valmistamisele. Osa 4: Purustusseadmed ja nende laadimissüsteemid KONSOLIDEERITUD TEKST
Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 4: Pulpers and their loading facilities CONSOLIDATE TEXT

Keel: en
Alusdokumendid: EN 1034-4:2005+A1:2009
Asendatud järgmise dokumendiga: EVS-EN 1034-4:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 1298:2000

Teisaldatavad juurdepääsu- ja töötornid. Eeskirjad ja juhised kasutusõpetuse koostamiseks
Mobil access and working towers - Rules and guidelines for the preparation of an instruction manual

Keel: en
Alusdokumendid: EN 1298:1996
Asendatud järgmise dokumendiga: EVS-EN 1004-2:2021
Standardi staatus: Kehtetu

EVS-EN 14459:2015

Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment

Keel: en
Alusdokumendid: EN 14459:2015
Asendatud järgmise dokumendiga: EVS-EN 14459:2021
Standardi staatus: Kehtetu

EVS-EN 15502-1:2012+A1:2015

Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed
Gas-fired heating boilers - Part 1: General requirements and tests

Keel: en
Alusdokumendid: EN 15502-1:2012+A1:2015
Asendatud järgmise dokumendiga: EVS-EN 15502-1:2021
Standardi staatus: Kehtetu

EVS-EN 15942:2011

Sustainability of construction works - Environmental product declarations - Communication format business-to-business

Keel: en
Alusdokumendid: EN 15942:2011
Asendatud järgmise dokumendiga: EVS-EN 15942:2021

Standardi staatus: Kehtetu

EVS-EN 16867:2020

Building hardware - Mechatronic door furniture - Requirements and test methods

Keel: en
Alusdokumendid: EN 16867:2020
Asendatud järgmise dokumendiga: EVS-EN 16867:2020+A1:2021
Standardi staatus: Kehtetu

EVS-EN 246:2003

Sanitary tapware - General specifications for flow rate regulators

Keel: en
Alusdokumendid: EN 246:2003
Asendatud järgmise dokumendiga: EVS-EN 246:2021
Standardi staatus: Kehtetu

EVS-EN 508-3:2008

Plekist katusetooted. Isekandvate teras-, alumiinium- ja roostevabast plekist valmistatud toodete spetsifikatsioon. Osa 3: Roostevaba teras
Roofing products from metal sheet - Specification for self-supporting products of steel, aluminium or stainless steel sheet - Part 3: Stainless steel

Keel: en
Alusdokumendid: EN 508-3:2008
Asendatud järgmise dokumendiga: EVS-EN 508-3:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-84:2003

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-84: Erinõuded tualettruumidele
Safety of household and similar electrical appliances - Part 2-84: Particular requirements for toilets

Keel: en
Alusdokumendid: IEC 60335-2-84:2002; EN 60335-2-84:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-84:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-84:2003/A1:2008
Muudetud järgmise dokumendiga: EVS-EN 60335-2-84:2003/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-2-84:2003/A1:2008

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-84: Erinõuded tualettruumidele
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilets

Keel: en
Alusdokumendid: IEC 60335-2-84:2002/A1:2008; EN 60335-2-84:2003/A1:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-84:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-84:2003/A2:2019

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-84: Erinõuded tualettruumidele
Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilets

Keel: en
Alusdokumendid: IEC 60335-2-84:2002/A2:2013; EN 60335-2-84:2003/A2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-84:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-84:2003/A1:2008
Standardi staatus: Kehtetu

EVS-EN ISO 12571:2013

Hygrothermal performance of building materials and products - Determination of hygroscopic sorption properties (ISO 12571:2013)

Keel: en
Alusdokumendid: ISO 12571:2013; EN ISO 12571:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 12571:2021
Standardi staatus: Kehtetu

93 RAJATISED

CEN/TS 13598-3:2012
Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride)(PVC-U), polypropylene (PP) and polyethylene (PE) - Part 3: Guidance for assessment of conformity

Keel: en
Alusdokumendid: CEN/TS 13598-3:2012
Asendatud järgmise dokumendiga: CEN/TS 13598-3:2021
Standardi staatus: Kehtetu

EVS-EN 13286-1:2003
Sidumata ja hüdrauliliselt seotud segud. Osa 1: Katsemeetod laboratoorse võrdlustiheduse ja veesisalduse määramiseks. Sissejuhatus, üldised nõuded ja proovide võtmine
Unbound and hydraulically bound mixtures - Part 1: Test method for the determination of the laboratory reference density and water content - Introduction, general requirements and sampling

Keel: en, et
Alusdokumendid: EN 13286-1:2003
Asendatud järgmise dokumendiga: EVS-EN 13286-1:2021
Standardi staatus: Kehtetu

EVS-EN 13286-4:2003
Unbound and hydraulically bound mixtures - Part 4: Test method for the determination of the laboratory reference density and water content - Vibrating hammer

Keel: en
Alusdokumendid: EN 13286-4:2003
Asendatud järgmise dokumendiga: EVS-EN 13286-4:2021
Standardi staatus: Kehtetu

EVS-EN 13286-47:2012
Sidumata ja hüdrauliliselt seotud segud. Osa 47: Katsemeetod California kandevõimeteguri, vahetu kandevõimeindeksi ja joonpaisumise määramiseks
Unbound and hydraulically bound mixtures - Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling

Keel: en, et
Alusdokumendid: EN 13286-47:2012
Asendatud järgmise dokumendiga: EVS-EN 13286-47:2021
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 14459:2015
Safety and control devices for burners and appliances burning gaseous or liquid fuels - Control functions in electronic systems - Methods for classification and assessment

Keel: en
Alusdokumendid: EN 14459:2015
Asendatud järgmise dokumendiga: EVS-EN 14459:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003
Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Safety of household and similar electrical appliances - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002; EN 60335-2-96:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Muudetud järgmise dokumendiga: EVS-EN 60335-2-96:2003/A1:2004
Muudetud järgmise dokumendiga: EVS-EN 60335-2-96:2003/A2:2009
Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003/A1:2004

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Safety of household and similar electrical appliances - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002/A1:2003; EN 60335-2-96:2002/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Standardi staatus: Kehtetu

EVS-EN 60335-2-96:2003/A2:2009

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-96: Erinõuded ruumide kütmiseks kasutatavatele elastsetele kütteelementidele
Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements for room heating

Keel: en
Alusdokumendid: IEC 60335-2-96:2002/A2:2008; EN 60335-2-96:2002/A2:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-96:2021
Standardi staatus: Kehtetu

EVS-EN 892:2012+A1:2016

Mägironimisvarustus. Dünaamilised mägironimisköied. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 892:2012+A1:2016
Asendatud järgmise dokumendiga: EVS-EN 892:2012+A2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 23999:2018

Resilient floor coverings - Determination of dimensional stability and curling after exposure to heat (ISO 23999:2018)

Keel: en
Alusdokumendid: ISO 23999:2018; EN ISO 23999:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 23999:2021
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

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

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

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

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

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 15987
Leather - Terminology - Key definitions for the leather trade

This European Standard specifies the key terms and definitions used for the leather trade and provides guidance on the correct use of the term “leather”.

Keel: en
Alusdokumendid: prEN 15987
Asendab dokumenti: EVS-EN 15987:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEVS-ISO 23081-2
Informatsioon ja dokumentatsioon. Metaandmed dokumentide haldamiseks. Osa 2: Kontseptuaalsed ja rakenduslikud küsimused
Information and documentation - Metadata for managing records - Part 2: Conceptual and implementation issues (ISO 23081-2:2021, identical)

This document establishes a framework for defining metadata elements consistent with the principles and implementation considerations outlined in ISO 23081-1. The purpose of this framework is to: a) enable standardized description of records and critical contextual entities for records; b) provide common understanding of fixed points of aggregation to enable interoperability of records and information relevant to records between organizational systems; and c) enable reuse and standardization of metadata for managing records over time, space and across applications. It further identifies some of the critical decision points that need to be addressed and documented to enable implementation of metadata for managing records. It aims to: — identify the issues that need to be addressed in implementing metadata for managing records; — identify and explain the various options for addressing the issues; and — identify various paths for making decisions and choosing options in implementing metadata for managing records.

Keel: en
Asendab dokumenti: EVS-ISO 23081-2:2011

Arvamusküsitluse lõppkuupäev: 29.01.2022

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

prEN 9104-002
Aerospace series - Quality management systems - Part 2: Requirements for the Oversight of Aviation, Space, and Defense Quality Management System Certification Programs

This document defines the ICOP certification scheme risk-based, shared, oversight process applicable to the IAQG and associated sectors for managing oversight of the ASD industry established requirements contained in 9104-series standards (i.e. 9104-1, 9104-2, 9104-3). The oversight process provides objective evidence of conformance to the 9104-series standards and the associated requirements for accreditation and AQMS certification. If there is a conflict between the requirements of this document and applicable statutory or regulatory requirements, the latter takes precedence.

Keel: en

Alusdokumendid: prEN 9104-002
Asendab dokumenti: EVS-EN 9104-002:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 4465

Textiles - Animal welfare in the supply chain - General requirements for the production, preparation and traceability of Angora rabbit fibre, including ethical claims and supporting information (ISO/DIS 4465:2021)

This document applies to the management and control of critical activities in Angora rabbit farming, including accommodation, reproduction, feed and nutrients, health, fibre collection, ethical claims and supporting information.

Keel: en
Alusdokumendid: ISO/DIS 4465; prEN ISO 4465

Arvamusküsitluse lõppkuupäev: 29.01.2022

07 LOODUS- JA RAKENDUSTEADUSED

EN ISO 10272-1:2017/prA1

Microbiology of the food chain - Horizontal method for detection and enumeration of Campylobacter spp. - Part 1: Detection method - Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant Campylobacter spp., and correction of the performance testing of the media (ISO 10272-1:2017/DAM 1:2021)

Inclusion of methods for molecular confirmation and identification of thermotolerant Campylobacter spp., and correction of the performance testing of the media

Keel: en
Alusdokumendid: EN ISO 10272-1:2017/prA1; ISO 10272-1:2017/DAM 1:2021
Muudab dokumenti: EVS-EN ISO 10272-1:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 10272-2:2017/prA1

Microbiology of the food chain - Horizontal method for detection and enumeration of Campylobacter spp. - Part 2: Colony-count technique - Amendment 1: Inclusion of methods for molecular confirmation and identification of thermotolerant Campylobacter spp. and correction of the performance testing of the media (ISO 10272-2:2017/DAM 1:2021)

Inclusion of methods for molecular confirmation and identification of thermotolerant Campylobacter spp. and change of the performance testing of culture media

Keel: en
Alusdokumendid: EN ISO 10272-2:2017/prA1; ISO 10272-2:2017/DAM 1:2021
Muudab dokumenti: EVS-EN ISO 10272-2:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 11930:2019/prA1

Cosmetics - Microbiology - Evaluation of the antimicrobial protection of a cosmetic product - Amendment 1 (ISO 11930:2019/DAM 1:2021)

Amendment to EN ISO 11930:2019

Keel: en
Alusdokumendid: ISO 11930:2019/DAmd 1; EN ISO 11930:2019/prA1
Muudab dokumenti: EVS-EN ISO 11930:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 16212:2017/prA1

Cosmetics - Microbiology - Enumeration of yeast and mould - Amendment 1 (ISO 16212:2017/DAM 1:2021)

Amendment to EN ISO 16212:2017

Keel: en
Alusdokumendid: ISO 16212:2017/DAmd 1; EN ISO 16212:2017/prA1
Muudab dokumenti: EVS-EN ISO 16212:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 18415:2017/prA1

Cosmetics - Microbiology - Detection of specified and non-specified microorganisms - Amendment 1 (ISO 18415:2017/DAM 1:2021)

Amendment to EN ISO 18415:2017

Keel: en
Alusdokumendid: ISO 18415:2017/DAmd 1; EN ISO 18415:2017/prA1
Muudab dokumenti: EVS-EN ISO 18415:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 18416:2015/prA1

Cosmetics - Microbiology - Detection of Candida albicans - Amendment 1 (ISO 18416:2015/DAM 1:2021)

Amendment to EN ISO 18416:2015

Keel: en
Alusdokumendid: ISO 18416:2015/DAmd 1; EN ISO 18416:2015/prA1
Muudab dokumenti: EVS-EN ISO 18416:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 21149:2017/prA1

Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria - Amendment 1 (ISO 21149:2017/DAM 1:2021)

Amendment to EN ISO 21149:2017

Keel: en
Alusdokumendid: ISO 21149:2017/DAmd 1; EN ISO 21149:2017/prA1
Muudab dokumenti: EVS-EN ISO 21149:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 21150:2015/prA1

Cosmetics - Microbiology - Detection of Escherichia coli - Amendment 1 (ISO 21150:2015/DAM 1:2021)

Amendment to EN ISO 21150:2015

Keel: en
Alusdokumendid: ISO 21150:2015/DAmd 1; EN ISO 21150:2015/prA1
Muudab dokumenti: EVS-EN ISO 21150:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 22717:2015/prA1

Cosmetics - Microbiology - Detection of Pseudomonas aeruginosa - Amendment 1 (ISO 22717:2015/DAM 1:2021)

Amendment to EN ISO 22717:2015

Keel: en
Alusdokumendid: ISO 22717:2015/DAmd 1; EN ISO 22717:2015/prA1
Muudab dokumenti: EVS-EN ISO 22717:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 22718:2015/prA1

Cosmetics - Microbiology - Detection of Staphylococcus aureus - Amendment 1 (ISO 22718:2015/DAM 1:2021)

Amendment to EN ISO 22718:2015

Keel: en
Alusdokumendid: ISO 22718:2015/DAmd 1; EN ISO 22718:2015/prA1
Muudab dokumenti: EVS-EN ISO 22718:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-3

Foodstuffs - Detection of food allergens by molecular biological methods - Part 3: Hazelnut (Corylus avellana) - Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

This document specifies a method for the detection of hazelnut (Corylus avellana) in chocolate. Real-time PCR (Polymerase chain reaction) detection of hazelnut is based on an152 bp (base pair) sequence from the corA 1 gene of hazelnut.

Keel: en
Alusdokumendid: prEN 15634-3
Asendab dokumenti: CEN/TS 15634-3:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-4

Foodstuffs - Detection of food allergens by molecular biological methods - Part 4: Peanut (Arachis hypogaea) - Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

This method describes a procedure for the qualitative detection of peanut (Arachis hypogaea) in chocolate using real-time PCR based on the gene for the peanut allergen Ara h 2 [4, 5].

Keel: en
Alusdokumendid: prEN 15634-4
Asendab dokumenti: CEN/TS 15634-4:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-5

Foodstuffs - Detection of food allergens by molecular biological methods - Part 5: Mustard (Sinapis alba) and soya (Glycine max) - Qualitative detection of a specific DNA sequence in cooked sausages by real-time PCR

This method specifies a procedure for the qualitative detection of species specific DNA from white mustard (Sinapis alba) and soya (Glycine max) in cooked sausages using singleplex realtime PCR based on the genes MADS-D (mustard) and lectin (soya). A mustard content of 10 mg/kg or greater and a soya content of 10 mg/kg or greater can be detected with a probability of > 95 %.

Keel: en
Alusdokumendid: prEN 15634-5
Asendab dokumenti: CEN/TS 15634-5:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

11 TERVISEHOOLDUS

EN ISO 8536-3:2009/prA1

Infusion equipment for medical use - Part 3: Aluminium caps for infusion bottles - Amendment 1 (ISO 8536-3:2009/DAM 1:2021)

Amendment to EN ISO 8536-3:2009

Keel: en
Alusdokumendid: ISO 8536-3:2009/DAmd 1; EN ISO 8536-3:2009/prA1
Muudab dokumenti: EVS-EN ISO 8536-3:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10993-17

Biological evaluation of medical devices - Part 17: Toxicological risk assessment of medical device constituents (ISO/DIS 10993-17:2021)

This part of the ISO 10993 specifies the process and requirements for the toxicological risk assessment of medical device constituents to be used within the biological evaluation of the final product described in ISO 10993-1, which includes the methods and criteria used to assess if exposure of a chemical constituent(s) is without appreciable harm(s). The process described in this document is intended to apply after chemical characterization compositional profiling is performed as required by ISO 10993-18, and thus a toxicological risk assessment of either the compositional information, extractable data or leachable data are required to conclude if the risks related to the constituents are acceptable or not. The process described in this document is not intended to apply to circumstances where the toxicological risk has been estimated by other means, such as: — constituents, excluding cohort of concern/excluded chemicals, that are present or extracted at an amount representative of patient exposure below a relevant, toxicologically-based reporting threshold (see ISO 10993-18:2020, Annex E and ISO/TS 21726); — a new or changed medical device for which chemical or biological equivalence has been established with an existing biocompatible or clinically established medical device (see ISO 10993-18:2020, Annex C). The process described in this document is also not applicable to — medical device constituents that do not contact the body (e.g., in vitro diagnostics), — all biological risks applicable to a medical device (e.g., harm(s) that result(s) from physical interaction (i.e., application of mechanical forces, energy, or surface morphology, etc.) of the medical device with the body), provided that the chemical exposure is unchanged, — active pharmaceutical ingredients of device-drug combination products or biologic components of device-biologic combination products as additional regulatory considerations may apply, — exposure to a particular chemical constituent that arises from sources other than the device, such as food, water, or air. This document does not address the potential for exposure from such sources

Keel: en
Alusdokumendid: ISO/DIS 10993-17; prEN ISO 10993-17
Asendab dokumenti: EVS-EN ISO 10993-17:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 21606

Dentistry - Elastomeric auxiliaries for use in orthodontics (ISO/DIS 21606:2021)

This document specifies the requirements and their test methods applicable to all elastomeric auxiliaries used for orthodontics both inside and outside the mouth, in conjunction with fixed and removable appliances. The auxiliaries include orthodontic elastics, orthodontic elastomeric chains, orthodontic thread, orthodontic elastomeric ligatures and orthodontic elastomeric separators.

Keel: en
Alusdokumendid: ISO/DIS 21606; prEN ISO 21606
Asendab dokumenti: EVS-EN ISO 21606:2007

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 5467-1

Dentistry - Mobile dental units and patient chairs - Part 1: General requirements (ISO/DIS 5467-1:2021)

This documents specifies requirements and test methods for mobile dental units.

Keel: en
Alusdokumendid: ISO/DIS 5467-1; prEN ISO 5467-1

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 7551

Dentistry - Absorbent points (ISO/DIS 7551:2021)

This document specifies requirements and test methods for absorbent points used in endodontic procedures. The requirements apply to absorbent points which have been sterilized once in a manner approved by the manufacturer. Sterility is not included in this document, and any claim that the product is sterile is the responsibility of the manufacturer (see Table 2). Clause 7 specifies the labelling needed, including the instructions for use. Absorbent points are marketed sterilized or non-sterilized. This document covers the physical attributes expected of such products as supplied. Sterility is not included in this document, and any claim that the product is sterile is the responsibility of the manufacturer (see Table 2). Clause 7 specifies the labelling needed, including the instructions for use.

Keel: en
Alusdokumendid: ISO/DIS 7551; prEN ISO 7551
Asendab dokumenti: EVS-EN ISO 7551:1999

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 8872

Aluminium caps and aluminium/plastic caps for infusion bottles and injection vials - General requirements and test methods (ISO/DIS 8872:2021)

This International Standard specifies general requirements and test methods for aluminium caps and aluminium/plastic caps intended for use on infusion bottles and/or injection vials.

Keel: en
Alusdokumendid: ISO/DIS 8872; prEN ISO 8872
Asendab dokumenti: EVS-EN ISO 8872:2004

Arvamusküsitluse lõppkuupäev: 29.01.2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 13819-3:2019/prA1

Hearing protectors - Testing - Part 3: Supplementary acoustic test methods

This document specifies supplementary acoustic test methods for hearing protectors with additional electronic functions. The purpose of these tests is to enable assessment of the hearing protector performance as specified in the appropriate product standards.

Keel: en
Alusdokumendid: EN 13819-3:2019/prA1
Muudab dokumenti: EVS-EN 13819-3:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 13922:2020/prA1

Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels

This document specifies the following points regarding the minimum requirements for an overfill prevention system: - functions; - major components; - characteristics; - test methods. This document is applicable to overfill prevention systems for liquid fuels having a flash point up to but not exceeding 100 °C, excluding liquefied petroleum gas (LPG). NOTE Vapour path detection is not part of this standard but can be provided as an option.

Keel: en
Alusdokumendid: EN 13922:2020/prA1
Muudab dokumenti: EVS-EN 13922:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 352-10:2020/prA1

Hearing protectors - Safety requirements - Part 10: Entertainment audio earplugs

This European Standard is applicable to entertainment audio earplugs. It specifies requirements on construction, design, performance, marking and user information relating to the inclusion of the entertainment audio facility.

Keel: en
Alusdokumendid: EN 352-10:2020/prA1
Muudab dokumenti: EVS-EN 352-10:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 352-6:2020/prA1

Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input

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

Keel: en
Alusdokumendid: EN 352-6:2020/prA1
Muudab dokumenti: EVS-EN 352-6:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 352-8:2020/prA1

Hearing protectors - Safety requirements - Part 8: Entertainment audio earmuffs

This European Standard is applicable to entertainment audio ear-muffs. It specifies requirements on construction, design, performance, marking and user information relating to the inclusion of the entertainment audio facility.

Keel: en
Alusdokumendid: EN 352-8:2020/prA1
Muudab dokumenti: EVS-EN 352-8:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 352-9:2020/prA1

Hearing protectors - Safety requirements - Part 9: Earplugs with safety-related audio input

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

Keel: en
Alusdokumendid: EN 352-9:2020/prA1
Muudab dokumenti: EVS-EN 352-9:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 17892-1:2014/prA1

Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1 (ISO 17892-1:2014/DAM 1:2021)

Amendment to EN ISO 17892-1:2014

Keel: en
Alusdokumendid: ISO 17892-1:2014/DAmd 1; EN ISO 17892-1:2014/prA1
Muudab dokumenti: EVS-EN ISO 17892-1:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

FprEN IEC 60335-2-23:2019/prA1:2021

Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

This European Standard deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-23:2016/A1:2019; FprEN IEC 60335-2-23:2019/prA1:2021
Muudab dokumenti: FprEN IEC 60335-2-23

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-1

Protective equipment for use in ice hockey - Part 1: General requirements (ISO/DIS 10256-1:2021)

ISO 10256-1:202x specifies general requirements and test methods for head, face, neck and body protectors (hereafter referred to as protectors) for use in ice hockey and is intended to be used in conjunction with other collateral standards in the ISO 10256 series. ISO 10256-1:202x is intended only for protectors used for ice hockey. Requirements are given for the following: a) terms and definitions; b) materials and construction; c) tolerances; d) conditioning; e) test report; f) markings; and g) information for users. In the ISO 10256 series, collateral standards specify performance requirements for protectors for use in ice hockey and are intended to be used in conjunction with this part of ISO 10256. NOTE 1 The requirements of a clause take precedence over a figure. NOTE 2 The intent is to reduce the risk of injury to an ice hockey player without compromising the form or appeal of the game. These standards presume that the rules of play for ice hockey will be followed by players and enforced by officials.

Keel: en
Alusdokumendid: ISO/DIS 10256-1; prEN ISO 10256-1
Asendab dokumenti: EVS-EN ISO 10256-1:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-2

Protective equipment for use in ice hockey - Part 2: Head protection for skaters (ISO/DIS 10256-2:2021)

ISO 10256-2:202x specifies performance requirements and test methods for head protectors for use in ice hockey and is intended to be used in conjunction with ISO 10256-1:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction b) protected area (coverage); c) penetration resistance (test blade); d) field of vision; e) shock absorbing capacity; f) retention system properties; g) test report; h) markings; and i) information for users. This part of ISO 10256 applies to head protectors worn by — ice hockey players (not goalkeepers, except where ISO 10256-4:202x references this Standard), and — referees.

Keel: en
Alusdokumendid: ISO/DIS 10256-2; prEN ISO 10256-2
Asendab dokumenti: EVS-EN ISO 10256-2:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-3

Protective equipment for use in ice hockey - Part 3: Face and eye protectors for skaters (ISO/DIS 10256-3:2021)

ISO 10256-3:202x specifies performance requirements and test methods for face and eye protectors (visors) for use in ice hockey. It is intended to be used in conjunction with ISO 10256-1:202x and ISO 10256-2:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction; b) design; c) protected area (coverage); d) penetration resistance (test blade); e) puck impact resistance; f) optical quality; g) test report; h) markings; and i) information for users. This part of ISO 10256 applies to face and eye protectors worn by — ice hockey players (not goaltenders except where ISO 10256-4:202x references this Standard), and — referees.

Keel: en
Alusdokumendid: ISO/DIS 10256-3; prEN ISO 10256-3
Asendab dokumenti: EVS-EN ISO 10256-3:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-4

Protective equipment for use in ice hockey - Part 4: Head and face protection for goalkeepers (ISO/DIS 10256-4:2021)

ISO 10256-4:202x specifies performance requirements and test methods for head and face protectors for use by ice hockey goalkeepers. It is intended to be used in conjunction with ISO 10256-1:202x, ISO 10256-2:202x, and ISO 10256-3:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction; b) design; c) protected areas (coverage); d) penetration resistance (test blade/disk); e) shock absorbing capacity; f) puck impact resistance; g) retention system properties; h) field of vision; i) test report; j) markings; and k) information for users.

Keel: en
Alusdokumendid: ISO/DIS 10256-4; prEN ISO 10256-4
Asendab dokumenti: EVS-EN ISO 10256-4:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 11268-2

Soil quality - Effects of pollutants on earthworms - Part 2: Determination of effects on reproduction of Eisenia fetida/Eisenia andrei (ISO/DIS 11268-2:2021)

This document specifies one of the methods for evaluating the habitat function of soils and determining the effects of soil contaminants and chemicals on the reproduction of Eisenia fetida/Eisenia andrei by dermal and alimentary uptake. This chronic test is applicable to soils and soil materials of unknown quality, e.g. from contaminated sites, amended soils, soils after remediation, agricultural or other sites concerned, and waste materials. Effects of substances are assessed using a standard

soil, preferably a defined artificial soil substrate. For contaminated soils, the effects are determined in the test soil and in a control soil. According to the objective of the study, the control and dilution substrate (dilution series of contaminated soil) should be either an uncontaminated soil comparable to the soil sample to be tested (reference soil) or a standard soil (e.g. artificial soil). This method is designed mainly for determining the effects of soil contaminants and chemicals on the reproduction of Eisenia fetida/Eisenia andrei. Technical information is also provided on how to use Eisenia fetida/andrei for testing chemicals under tropical conditions (see Annex A). Finally, this method also includes technical information on how to use it with other environmentally relevant earthworm species: e.g., Aporrectodea caliginosa and Dendrodrilus rubidus (see Annexes B, C). This method does not apply to substances for which the air/soil partition coefficient is greater than one, or to substances with vapour pressure exceeding 300 Pa, at 25 °C. This method does not take into account the persistence of the substance during the test.

Keel: en
Alusdokumendid: ISO/DIS 11268-2; prEN ISO 11268-2
Asendab dokumenti: EVS-EN ISO 11268-2:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 12311

Personal protective equipment - Test methods for sunglasses and related eyewear (ISO/DIS 12311:2021)

This International Standard specifies reference test methods for determining the properties of sunglasses given in ISO 12312 (all parts). It is applicable to all sunglasses and related eyewear. Other test methods may be used if proven to be equivalent.

Keel: en
Alusdokumendid: ISO/DIS 12311; prEN ISO 12311
Asendab dokumenti: EVS-EN ISO 12311:2013

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 23875

Mining - Air quality control systems for operator enclosures - Performance requirements and test methods (ISO 23875:2021)

This document specifies performance and design requirements for air quality control systems for operator enclosures and their monitoring devices. The design specifications are universal in their application and do not contemplate specific mining environments. They are intended to meet identified parameters of both pressurization and respirable particulate and carbon dioxide concentrations. This document also specifies test methods to assess such parameters and provides operational and maintenance instructions. Recommendations are made for operational integration of the air quality control system. Gases and vapours that can be a hazard in the work environment outside of the operator enclosure are excluded from this document.

Keel: en
Alusdokumendid: ISO 23875:2021; prEN ISO 23875

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 7933

Ergonomics of the thermal environment - Analytical determination and interpretation of heat stress using calculation of the predicted heat strain (ISO/DIS 7933:2021)

This document describes a model (the predicted heat strain (PHS)model) for the analytical determination and interpretation of the thermal stress (in terms of water loss and rectal temperature) experienced by an average person in a hot environment and determines the “maximum allowable exposure times”, with which the physiological strain is acceptable for 95 % of the exposed population (the maximum tolerable rectal temperature and the maximum tolerable water loss are not exceeded by 95 % of the exposed people). The various terms used in this prediction model, and in particular in the heat balance, show the influence of the different physical parameters of the environment on the thermal stress experienced by the average person. In this way, this document makes it possible to determine which parameter or group of parameters can be changed, and to what extent, in order to reduce the risk of physiological strains. In its present form, this method of assessment is not applicable to cases where special protective clothing (such as fully reflective clothing, active cooling and ventilation, impermeable coveralls…) is worn. The model has not been extensively validated for conditions with unsteady environmental parameters, metabolic rate and/or clothing and therefore must be used cautiously in cases where these parameters vary substantially with time. It does not permit to determine validly the duration of time needed for an average person whose rectal temperature has risen to 38 °C or more, to recover a rectal temperature of 36,8 °C. This document does not predict the physiological response of an individual person, but only considers average persons in good health and fit for the work they perform. It is therefore intended to be used by ergonomists, industrial hygienists, etc. as the outcomes may require expert interpretations. Recommendations about how and when to use this model are given in ISO 16595/WP

Keel: en
Alusdokumendid: ISO/DIS 7933.2; prEN ISO 7933
Asendab dokumenti: EVS-EN ISO 7933:2004

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9241-394

Ergonomics of human-system interaction - Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images (ISO 9241-394:2020)

This document establishes the requirements and recommendations for image contents and electronic display systems to reduce visually induced motion sickness (VIMS), while viewing images on electronic displays. This document is applicable to electronic display systems, including flat panel displays, projectors with a screen, and virtual reality (VR) type of head mounted displays (HMDs), but not including HMDs that present electronic images on/with real-world scenes. NOTE 1 This document assumes the images are viewed under appropriate defined conditions. See Annex B for the appropriate viewing conditions. NOTE 2 This document is useful for the design, development, and supply of image contents, as well as electronic displays for reducing VIMS. NOTE 3 ISO 9241 392 provides guidelines for stereoscopic 3D displays, of which the methods are also used in HMDs. NOTE 4 The International Telecommunication Union (ITU) generally sets the standard

Keel: en
Alusdokumendid: ISO 9241-394:2020; prEN ISO 9241-394

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9241-940

Ergonomics of human-system interaction - Part 940: Evaluation of tactile and haptic interactions (ISO 9241-940:2017)

This document: - describes the types of methods that can be used for the evaluation of haptic devices and of systems that include haptic devices, - specifies a procedure for the evaluation of haptic interactions by a usability walkthrough or usability test (see Annex J), and - provides guidance on the types of methods that are appropriate for the evaluation of specific attributes of haptic systems, cross-referenced to the guidance in the relevant clauses of other International Standards (see Annexes A, B, C, D, E, F and G). It applies to the following types of interaction : - augmented reality — information overlaid on a real scene, e.g. vibrating belt indicating distance; - gesture control of a device or a virtual scenario; - unidirectional interaction such as a vibrating phone or a vibrating belt; - virtual environment — virtual space with which a user can interact with the aid of a haptic device. ISO 9241-940 applies to the following types of devices: - gesture sensor, e.g. video that discerns 3D hand movements, touch screens that sense 2D touches; - kinaesthetic haptic device e.g. desktop haptic interface; - tactile display e.g. vibrating phone. ISO 9241-940 is not applicable to standard input devices such as keyboards, mice or track balls. NOTE The ISO 9241-400 subseries covers standard input devices, and ISO 9241-411 applies to the evaluation of input devices such as keyboards and mice. ISO 9241-940 can be used to identify the types of methods and measures for - establishing benchmarks, - establishing requirements for haptic interaction, - identifying problems with haptic interaction (formative evaluation), and - use of the criteria to establish whether a haptic system meets requirements (summative evaluation).

Keel: en
Alusdokumendid: ISO 9241-940:2017; prEN ISO 9241-940

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9241-971

Ergonomics of human-system interaction - Part 971: Accessibility of tactile/haptic interactive systems (ISO 9241-971:2020)

This document provides both general and specific ergonomic requirements and recommendations for accessible tactile/haptic interactive systems, including accessible tactile/haptic interactions. This document provides guidance for increasing the accessibility of interactive systems making use of tactile/haptic input/output modalities such as gestures, vibration, and force feedback. The guidance provided also supports alternative input modalities and the use of different output representations. This document provides guidance for tactile/haptic interactions that is applicable to a variety of interactive systems, including assistive technologies (AT).

Keel: en
Alusdokumendid: ISO 9241-971:2020; prEN ISO 9241-971

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEVS 614

Teemärgised ja nende kasutamine
Traffic markings and their installation requirements

See Eesti standard kehtestab Eesti teeliikluses teede märgistamise korra ja põhimõtted.

Keel: et
Asendab dokumenti: EVS 614:2008
Asendab dokumenti: EVS 614:2008/A1:2016

Arvamusküsitluse lõppkuupäev: 30.12.2021

prEVS-ISO 11665-9

Radioaktiivsuse mõõtmine keskkonnas. Õhk: radoon-222. Osa 9: Ehitusmaterjalide ekshalatsioonikiiruse katsemeetodid
Measurement of radioactivity in the environment - Air: Radon-222 - Part 9: Test methods for exhalation rate of building materials (ISO 11665-9:2019, identical)

Selles dokumendis kirjeldatakse mõõtmismeetodit, mida kasutatakse radooni ekshalatsioonikiiruse määramiseks mineraalse ehitusmaterjali partii puhul. Dokument käsitleb ainult Rn-222 ekshalatsiooni määramist, kasutades kaht mõõtemeetodit: vedelikstsintsillatsioon (LSC) ja gammaspektromeetria (vt lisa A ja lisa B). Torooni (Rn-220) ekshalatsioon ei mõjuta katse tulemust, kui on kasutatud käesolevas standardis kirjeldatud meetodeid.

Keel: en

Alusdokumendid: ISO 11665-9:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEVS-ISO 19461-1

Kiirguskaitse. Meditsiinis rakendust leidvate radioisotoopidega saastunud jäätmete mõõtmine nende vabastamise eesmärgil. Osa 1: Radioaktiivsuse mõõtmine
Radiological protection - Measurement for the clearance of waste contaminated with radioisotopes for medical application - Part 1: Measurement of radioactivity (ISO 19461-1:2018, identical)

Käesolev dokument käsitleb meetodit, kuidas mõõta meditsiinis radioisotoope sisaldavate jäätmete aktiivsuskontsentratsiooni ning teha kindlaks jäätmete täpne hoiustamise aeg kasutades selleks sobivat doosikiiruse detektorit ja teavet radioisotoobi füüsikalisest poolestusajast. Standard annab kontrollide ja mõõtmiste komplekti, mida järgides võib meditsiiniasutus olla kindel, et jäätmete vabastamise hetkel vastab nende radioaktiivsus vabastamistasemele. Seda standardit saavad kasutada ka testilaborid või radioaktiivsete jäätmete käitlejad. Seda standardit võib kasutada ka juhendmaterjalina reguleerivate asutuste poolt. MÄRKUS Käesolev standard oma kirjeldatud meetoditega ei sobi olukordades, kus on tegemist madala gammakiirgusega puhaste beeta- või alfakiirgajatega.

Keel: en
Alusdokumendid: ISO 19461-1:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEVS-ISO 11665-9

Radioaktiivsuse mõõtmine keskkonnas. Õhk: radoon-222. Osa 9: Ehitusmaterjalide ekshalatsioonikiiruse katsemeetodid
Measurement of radioactivity in the environment - Air: Radon-222 - Part 9: Test methods for exhalation rate of building materials (ISO 11665-9:2019, identical)

Selles dokumendis kirjeldatakse mõõtmismeetodit, mida kasutatakse radooni ekshalatsioonikiiruse määramiseks mineraalse ehitusmaterjali partii puhul. Dokument käsitleb ainult Rn-222 ekshalatsiooni määramist, kasutades kaht mõõtemeetodit: vedelikstsintsillatsioon (LSC) ja gammaspektromeetria (vt lisa A ja lisa B). Torooni (Rn-220) ekshalatsioon ei mõjuta katse tulemust, kui on kasutatud käesolevas standardis kirjeldatud meetodeid.

Keel: en
Alusdokumendid: ISO 11665-9:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEVS-ISO 19461-1

Kiirguskaitse. Meditsiinis rakendust leidvate radioisotoopidega saastunud jäätmete mõõtmine nende vabastamise eesmärgil. Osa 1: Radioaktiivsuse mõõtmine
Radiological protection - Measurement for the clearance of waste contaminated with radioisotopes for medical application - Part 1: Measurement of radioactivity (ISO 19461-1:2018, identical)

Käesolev dokument käsitleb meetodit, kuidas mõõta meditsiinis radioisotoope sisaldavate jäätmete aktiivsuskontsentratsiooni ning teha kindlaks jäätmete täpne hoiustamise aeg kasutades selleks sobivat doosikiiruse detektorit ja teavet radioisotoobi füüsikalisest poolestusajast. Standard annab kontrollide ja mõõtmiste komplekti, mida järgides võib meditsiiniasutus olla kindel, et jäätmete vabastamise hetkel vastab nende radioaktiivsus vabastamistasemele. Seda standardit saavad kasutada ka testilaborid või radioaktiivsete jäätmete käitlejad. Seda standardit võib kasutada ka juhendmaterjalina reguleerivate asutuste poolt. MÄRKUS Käesolev standard oma kirjeldatud meetoditega ei sobi olukordades, kus on tegemist madala gammakiirgusega puhaste beeta- või alfakiirgajatega.

Keel: en
Alusdokumendid: ISO 19461-1:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN ISO 14581

Fasteners - Hexalobular socket countersunk flat head screws (common head style) with reduced loadability (ISO/DIS 14581:2021)

This document specifies the characteristics of hexalobular socket countersunk flat head screws with reduced loadability due to head design, made of steel and stainless steel with metric coarse pitch threads M2 to M10 and with product grade A. If in certain cases other specifications are requested, stainless steel grades can be selected from ISO 3506-1, and dimensional options from ISO 888 and ISO 4753. NOTE 1 The reduced loadability (related to the countersunk head dimensions in combination with penetration of the hexagon socket specified in this document) implies a limitation of ultimate tensile load. The loadability in the head is assumed to be 80 % of that in the thread for all sizes and all property classes; see Table 3. NOTE 2 Hexalobular socket countersunk head screws, high head with full loadability, are specified in ISO 14582, but these products are

not interchangeable, because of different head heights. NOTE 3 Particular attention is needed to ensure alignment of the countersunk head with the bearing surface of the countersink in the assembly.

Keel: en
Alusdokumendid: ISO/DIS 14581; prEN ISO 14581
Asendab dokumenti: EVS-EN ISO 14581:2013

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 7380-1

Fasteners - Button head screws with reduced loadability - Part 1: Hexagon socket button head screws (ISO/DIS 7380-1:2021)

This document specifies the characteristics of hexagon socket button head screws with reduced loadability due to head design with metric coarse pitch threads M3 to M16, and with product grade A. NOTE The reduced loadability (related to the head dimensions in combination with penetration of the hexagon socket specified in this document) implies a limitation of ultimate tensile load. The loadability in the head is assumed to be 80% of that in the thread for all sizes and all property classes, see Table 3. If, in certain cases, other specifications are requested, stainless steel grades can be selected from ISO 3506-1, and the dimensional options from ISO 888 or ISO 4753.

Keel: en
Alusdokumendid: ISO/DIS 7380-1; prEN ISO 7380-1
Asendab dokumenti: EVS-EN ISO 7380-1:2011

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 7380-2

Fasteners - Button head screws with reduced loadability - Part 2: Hexagon socket button head screws with collar (ISO/DIS 7380-2:2021)

This document specifies the characteristics of hexagon socket button head screws with collar, with reduced loadability, with metric coarse pitch threads M3 to M16, and with product grade A. NOTE The reduced loadability (related to the head dimensions in combination with penetration of the hexagon socket specified in this document) implies a limitation of ultimate tensile load. The loadability in the head is assumed to be 80 % of that in the thread for all sizes and all property classes, see Table 4. If in certain cases other specifications are requested, dimensional options can be selected from ISO 888 or ISO 4753

Keel: en
Alusdokumendid: ISO/DIS 7380-2; prEN ISO 7380-2
Asendab dokumenti: EVS-EN ISO 7380-2:2011

Arvamusküsitluse lõppkuupäev: 29.01.2022

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN 13922:2020/prA1

Tanks for transport of dangerous goods - Service equipment for tanks - Overfill prevention systems for liquid fuels

This document specifies the following points regarding the minimum requirements for an overfill prevention system: - functions; - major components; - characteristics; - test methods. This document is applicable to overfill prevention systems for liquid fuels having a flash point up to but not exceeding 100 °C, excluding liquefied petroleum gas (LPG). NOTE Vapour path detection is not part of this standard but can be provided as an option.

Keel: en
Alusdokumendid: EN 13922:2020/prA1
Muudab dokumenti: EVS-EN 13922:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN 17176-2:2019/prA1

Plastics piping systems for water supply and for buried and above ground drainage, sewerage and irrigation under pressure - Oriented unplasticized poly(vinyl chloride) (PVC-O) - Part 2: Pipes

This part of FprEN 17176 specifies the characteristics of solid-wall pipes made of oriented unplasticized poly(vinyl chloride) (PVC-O) for piping systems intended for water supply and for buried drainage, sewerage, treated waste water and irrigation under pressure or above-ground where protected from direct sunlight. It also specifies the test parameters for the test methods referred to in this document. In conjunction with FprEN 17176-1 and FprEN 17176-5, it is applicable to oriented PVC-O pipes with or without integral socket intended to be used for the following: a) water mains and services lines; b) conveyance of water for both outside and inside buildings; c) drainage, sewerage and treated waste water under pressure; d) irrigation under pressure. It is applicable to piping systems intended for the supply of water with a maximum allowable operating pressure (PFA) up to and including 25 bar. The piping system according to this document is intended for the conveyance of cold water up to and including 45 °C and especially in those applications where special performance requirements are needed, such as impact loads and pressure fluctuations. For temperatures between 25 °C and 45 °C, Figure C.1 of this document applies. This part of FprEN 17176 specifies a range of pipe sizes and pressure classes and gives a requirement and recommendations concerning colours. NOTE It is the responsibility of the purchaser or specifier to make the appropriate selections from these aspects, taking into account their particular requirements and any relevant national regulations and installation practices or codes.

Keel: en
Alusdokumendid: EN 17176-2:2019/prA1
Muudab dokumenti: EVS-EN 17176-2:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

25 TOOTMISTEHNOLOOGIA

prEN 4500-006
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 6: Specific rules for filler metals for brazing

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 006 specifies the “Specific rules for filler metals for brazing”.

Keel: en
Alusdokumendid: prEN 4500-006

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 4877-001
Aerospace series - Filler metals for welding - Part 001: Technical specification

This document defines the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal. It is applied when referred to and in conjunction with the product procurement specification unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4877-001

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 4877-002
Aerospace series - Filler metals for welding - Part 002: Authorized filler metals

This document defines a list of procurement specifications and standards for welding products authorized for the welding of parts.

Keel: en
Alusdokumendid: prEN 4877-002

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62453-71:2021
Field device tool (FDT) interface specification - Part 71: OPC UA Information Model for FDT

This part of IEC 62453 specifies an OPC UA Information Model to represent the device information based on FDT-defined device integration.

Keel: en
Alusdokumendid: IEC 62453-71 ED1; prEN IEC 62453-71:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 11127-7
Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 7: Determination of water-soluble chlorides (ISO/DIS 11127-7:2021)

This part of ISO 11127 specifies a three methods for the determination of water-soluble chlorides in non-metallic blast-cleaning abrasives, namely, amperometric titration, spectro-photometry and ion chromatography.. This is one of a number of parts of ISO 11127 dealing with the sampling and testing of non-metallic abrasives for blast-cleaning. The types of non-metallic abrasive and requirements on each are contained in ISO 11126. The ISO 11126 and ISO 11127 series have been drafted as a coherent set of International Standards on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in Annex A.

Keel: en
Alusdokumendid: ISO/DIS 11127-7; prEN ISO 11127-7
Asendab dokumenti: EVS-EN ISO 11127-7:2011

Arvamusküsitluse lõppkuupäev: 29.01.2022

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN 60904-5:2011/prA1:2021
Photovoltaic devices - Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method

Amendment to EN 60904-5:2011

Keel: en
Alusdokumendid: IEC 60904-5/AMD1 ED2; EN 60904-5:2011/prA1:2021
Muudab dokumenti: EVS-EN 60904-5:2011

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 16905-5

Gas-fired endothermic engine driven heat pumps - Part 5: Calculation of seasonal performances in heating and cooling mode

This part of the FprEN 16905 series specifies the calculation of seasonal performance factor for gas-fired endothermic engine driven heat pumps for heating and/or cooling mode including the engine heat recovery.

Keel: en
Alusdokumendid: prEN 16905-5
Asendab dokumenti: EVS-EN 16905-5:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

29 ELEKTROTEHNIKA

prEN IEC 60143-4:2021

Series capacitors for power systems - Part 4: Thyristor controlled series capacitors

This part of IEC 60143 specifies testing of thyristor controlled series capacitor (TCSC) installations used in series with transmission lines. This standard also addresses issues that consider ratings for TCSC thyristor valve assemblies, capacitors, and reactors as well as TCSC control characteristics, protective features, cooling system and system operation.

Keel: en
Alusdokumendid: IEC 60143-4 ED2; prEN IEC 60143-4:2021
Asendab dokumenti: EVS-EN 60143-4:2010

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61558-2-13:2021

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers for general applications

This part of IEC 61558 deals with the safety of auto-transformers for general applications and power supply units incorporating auto-transformers for general applications. Transformers incorporating electronic circuits are also covered by this document. NOTE 1 Safety includes electrical, thermal and mechanical aspects. Unless otherwise specified, from here onward, the term transformer covers auto-transformers for general applications and power supply units incorporating auto-transformers for general applications. For power supply units (linear) this document is applicable. For switch mode power supply units IEC 61558-2-16 is applicable. This document is applicable to stationary or portable, single-phase or polyphase, air-cooled (natural or forced) independent or associated dry- type transformers. The windings may be encapsulated or non-encapsulated. The rated supply voltage does not exceed 1 000 V AC, and the rated supply frequency and the internal operating frequencies do not exceed 500 Hz. The core power does not exceed: - 2 kVA for single-phase transformers; - 10 kVA for polyphase transformers. The rated output does not exceed: - 40 kVA for single-phase transformers; - 200 kVA for polyphase transformers. This document is applicable to transformers without limitation of the core power and the rated output both being subject to an agreement between the purchaser and the manufacturer. Where applicable, the no-load output voltage or the rated output voltage does not exceed 1 000 V AC or 1 415 V ripple-free DC. For independent transformers, the no-load output voltage and the rated output voltage is not less than 50 V AC or 120 V ripple-free DC. This document is not applicable to external circuits and their components intended to be connected to the input terminals and output terminals of the transformers. NOTE 2 Transformers covered by this document are used only in applications where no insulation between circuits is required by the installation rules or by the end product standard. Attention is drawn to the following: - for transformers intended to be used in vehicles, on board ships, and aircraft, additional requirements (from other applicable standards, national rules, etc.); - measures to protect the enclosure and the components inside the enclosure against external influences such as fungus, vermin, termites, solar-radiation, and icing; - the different conditions for transportation, storage, and operation of the transformers; - additional requirements in accordance with other appropriate standards and national rules may be applicable to transformers intended for use in special environments. Future technological development of transformers may necessitate a need to increase the 202 upper limit of the frequencies. Until then this document may be used as a guidance document. This GROUP SAFETY PUBLICATION focusing on SAFETY guidance is primarily intended to be used as a PRODUCT SAFETY STANDARD for the products mentioned in the scope, but is also intended to be used by TCs in the preparation of publications for products similar to those mentioned in the scope of this GROUP SAFETY PUBLICATION, in accordance with the principles laid down in IEC Guide 104 and ISO/IEC Guide 51. One of the RESPONSIBILITIES of a TC is, wherever applicable, to make use of BSPs and/or GSPs in the preparation of its publications.

Keel: en
Alusdokumendid: IEC 61558-2-13 ED3; prEN IEC 61558-2-13:2021
Asendab dokumenti: EVS-EN 61558-2-13:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62386-202:2021

Digital addressable lighting interface - Part 202: Particular requirements for control gear - Self-contained emergency lighting (device type 1)

This Part of IEC 62386 is applicable to control gear for control by digital signals of electronic lighting equipment which is associated with self-contained emergency lighting as described in IEC 61347-2-7 with additional control interface for configuring emergency operation. This part is only applicable to control gear complying with IEC 62386-102 Ed.2 This part does not apply to centrally supplied emergency lighting control gear, which is specified in IEC-62386-220.

Keel: en
Alusdokumendid: IEC 62386-202 ED2; prEN IEC 62386-202:2021
Asendab dokumenti: EVS-EN 62386-202:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62561-1:2021

Lightning protection system components (LPSC) - Part 1: Requirements for connection components

This part of IEC 62561 specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS). Typically, these can be connectors, clamps, bonding and bridging components, expansion pieces and test joints. For the purposes of this document the following connection types are considered as connection components: exothermic, brazing, welding, clamping, crimping, seaming, screwing or bolting. Testing of components for an explosive atmosphere is not covered by this document.

Keel: en
Alusdokumendid: IEC 62561-1 ED3; prEN IEC 62561-1:2021
Asendab dokumenti: EVS-EN 62561-1:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

31 ELEKTROONIKA

prEN IEC 60143-4:2021

Series capacitors for power systems - Part 4: Thyristor controlled series capacitors

This part of IEC 60143 specifies testing of thyristor controlled series capacitor (TCSC) installations used in series with transmission lines. This standard also addresses issues that consider ratings for TCSC thyristor valve assemblies, capacitors, and reactors as well as TCSC control characteristics, protective features, cooling system and system operation.

Keel: en
Alusdokumendid: IEC 60143-4 ED2; prEN IEC 60143-4:2021
Asendab dokumenti: EVS-EN 60143-4:2010

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 60286-2:2021

Packaging of components for automatic handling - Part 2: Tape packaging of components with unidirectional leads on continuous tapes

This part of IEC 60286 applies to the tape packaging of components with two or more unidirectional leads for use in electronic equipment. It provides dimensions and tolerances necessary to tape components with unidirectional leads. In general, the tape is applied to the component leads. It covers requirements for taping techniques used with equipment for automatic handling, preforming of leads, insertion and other operations and includes only those dimensions which are essential to the taping of components intended for the above-mentioned purposes.

Keel: en
Alusdokumendid: IEC 60286-2 ED5; prEN IEC 60286-2:2021
Asendab dokumenti: EVS-EN 60286-2:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 60384-1-1:2021

Fixed capacitors for use in electronic equipment - Part 1-1 : Generic blank detail specification

This part of IEC 60384-1 establishes a generic template and specifies requirements to the content of detail specifications for capacitors within the IEC 60384-X series.

Keel: en
Alusdokumendid: IEC 60384-1-1 ED1; prEN IEC 60384-1-1:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 60539-1:2021

Directly heated negative temperature coefficient thermistors - Part 1: Generic specification

This part of IEC 60539 is applicable to directly heated negative temperature coefficient thermistors, typically made from transition metal oxide materials with semiconducting properties. It establishes standard terms, inspection procedures and

methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

Keel: en
Alusdokumendid: IEC 60539-1 ED4; prEN IEC 60539-1:2021
Asendab dokumenti: EVS-EN 60539-1:2016
Asendab dokumenti: EVS-EN 60539-1:2016/AC:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62391-1:2021

Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification

This part of IEC 62391 applies to fixed electric double-layer capacitors (hereafter referred to as capacitor(s)) mainly used in DC circuits of electric and electronic equipment. This part of IEC 62391 establishes standard terms, inspection procedures and methods of test for use in sectional and detail specifications of electronic components for quality assessment or any other purpose.

Keel: en
Alusdokumendid: IEC 62391-1 ED3; prEN IEC 62391-1:2021
Asendab dokumenti: EVS-EN 62391-1:2016
Asendab dokumenti: EVS-EN 62391-1:2016/AC:2016
Asendab dokumenti: EVS-EN 62391-1:2016/AC:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

33 SIDETEHNIKA

EN 61754-20:2012/prA1:2021

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 20: Type LC connector family

Amendment to EN 61754-20:2012

Keel: en
Alusdokumendid: IEC 61754-20/AMD1 ED2; EN 61754-20:2012/prA1:2021
Muudab dokumenti: EVS-EN 61754-20:2012

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61290-1:2021

Optical amplifiers - Test methods - Part 1: Power and gain parameters

This part of IEC 61290 applies to all commercially available optical amplifiers (OAs) and optically amplified subsystems. It applies to OAs using optically pumped fibres (OFAs based on either rare-earth doped fibres or on the Raman effect), semiconductors (SOAs), and waveguides (POWAs). It is specifically directed to single-channel amplifiers. Test methods for multichannel amplifiers are defined in the IEC 61290-10 series. This standard establishes uniform requirements for accurate and reliable measurements of the following OA parameters, as defined in Clause 3 of IEC 61291-1: a) nominal output signal power; b) gain; c) reverse gain; d) maximum gain; e) maximum gain wavelength; f) maximum gain variation with temperature; g) gain wavelength band; h) gain wavelength variation; i) gain stability; j) polarization-dependent gain; k) gain ripple (SOA only); l) large-signal output stability; m) saturation output power; n) maximum output signal power; 116 o) maximum total output power. NOTE 1 The applicability of the test methods described in the present standard to distributed Raman amplifiers is still under study. NOTE 2 All numerical values followed by (‡).are suggested values for which the measurement is assured. Other values are acceptable if verified.

Keel: en
Alusdokumendid: IEC 61290-1 ED2; prEN IEC 61290-1:2021
Asendab dokumenti: EVS-EN 61290-1:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61753-051-02:2021

Fibre optic interconnecting devices and passive components - Performance standard - Part 051-02: Plug-receptacle style single-mode fibre fixed optical attenuators for category C - Controlled environments

This part of IEC 61753 contains the minimum initial test and measurement requirements and severities which plug-receptacle style single-mode fibre fixed optical attenuators need to satisfy in order to be categorized as meeting the requirements of category C – Controlled environments, as defined in Annex A of IEC 61753-1.

Keel: en
Alusdokumendid: IEC 61753-051-02 ED1; prEN IEC 61753-051-02:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61753-053-02:2021

Fibre optic interconnecting devices and passive components - Performance standard - Part 053-02: Non-connectorized single-mode fibre, electrically controlled, variable optical attenuator for category C - Controlled environments

This part of IEC 61753 contains the minimum initial test and measurement requirements and severities which non-connectorized single-mode fibre electrically controlled variable optical attenuator needs to satisfy in order to be categorised as meeting the requirements of category C-Controlled environments, as defined in Annex A of IEC 61753-1.

Keel: en
Alusdokumendid: IEC 61753-053-02 ED1; prEN IEC 61753-053-02:2021
Asendab dokumenti: EVS-EN 61753-053-2:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61970-302:2021

Energy management system application program interface (EMS-API) - Part 302: Common information model (CIM) dynamics

The common information model (CIM) is an abstract model that represents all the major objects in an electric utility enterprise typically involved in utility operations. By providing a standard way of representing power system resources as object classes and attributes, along with their relationships, the CIM facilitates the integration of energy management system (EMS) applications developed independently by different vendors, between entire EMSs developed independently, or between an EMS and other systems concerned with different aspects of power system operations, such as generation or distribution management. SCADA is modelled to the extent necessary to support power system simulation and communication between control centres. The CIM facilitates integration by defining a common language (i.e semantics) based on the CIM to enable these applications or systems to access public data and exchange information independent of how such information is represented internally. Due to the size of the complete CIM, the object classes contained in the CIM are grouped into a number of logical packages, each of which represents a certain part of the overall power system being modelled. Collections of these packages are being developed as separate International Standards. This particular document specifies a Dynamics package which contains part of the CIM to support the exchange of models between software applications that perform analysis of the steady-state stability (small-signal stability) or transient stability of a power system as defined by IEEE / CIGRE Definition and classification of power system stability IEEE/CIGRE joint task force on stability terms and definitions. The model descriptions in this standard provide specifications for each type of dynamic model as well as the information that needs to be included in dynamic case exchanges between planning/study applications. The scope of the CIM Dynamics package specified in this standard includes: • standard models: a simplified approach to describing dynamic models, where models representing dynamic behaviour of elements of the power system are contained in predefined libraries of classes which are interconnected in a standard manner. Only the names of the selected elements of the models along with their attributes are needed to describe dynamic behaviour. • proprietary user-defined models: an approach providing users the ability to define the parameters of a dynamic behaviour model representing a vendor or user proprietary device where an explicit description of the model is not provided by the standard. The same libraries and standard interconnections are used for both proprietary user-defined models and standard models. The behavioural details of the model are not documented in the standard, only the model parameters. • A model to enable exchange of models' descriptions. This approach can be used to describe user defined and standard models. • A model to enable exchange of simulation results.

Keel: en
Alusdokumendid: IEC 61970-302 ED2; prEN IEC 61970-302:2021
Asendab dokumenti: EVS-EN IEC 61970-302:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 61970-457:2021

Energy management system application program interface (EMS-API) - Part 457: Dynamics profile

This part of IEC 61970 specifies a standard interface for exchanging dynamic model information needed to support the analysis of the steady state stability (small-signal stability) and/or transient stability of a power system or parts of it. The schema(s) for expressing the dynamic model information are derived directly from the CIM, more specifically from IEC 61970-302. The scope of this document includes only the dynamic model information that needs to be exchanged as part of a dynamic study, namely the type, description and parameters of each control equipment associated with a piece of power system equipment included in the steady state solution of a complete power system network model. Therefore, this profile is dependent upon other standard profiles for the equipment as specified in IEC 61970-452: CIM static transmission network model profiles, the topology, the steady state hypothesis and the steadystate solution (as specified in IEC 61970-456: Solved power system state profiles) of the power system, which bounds the scope of the exchange. The profile information described by this document needs to be exchanged in conjunction with IEC 61970-452 and IEC 61970-456 profiles' information to support the data requirements of transient analysis tools. IEC 61970-456 provides a detailed description of how different profile standards can be combined to form various types of power system network model exchanges. This document supports the exchange of the following types of dynamic models: • standard models: a simplified approach to exchange, where models are contained in predefined libraries of classes interconnected in a standard manner that represent dynamic behaviour of elements of the power system. The exchange only indicates the name of the model along with the attributes needed to describe its behaviour. • proprietary user-defined models: an exchange that would provide users the ability to exchange the parameters of a model representing a vendor or user proprietary device where an explicit description of the model is not described in this document. The connections between the proprietary models and standard models are the same as described for the standard models exchange. Recipient of the data exchange will need to contact the sender for the behavioural details of the model. This document builds on IEC 61970-302, CIM for dynamics which defines the descriptions of the standard dynamic models, their function block diagrams, and how they are

interconnected and associated with the static network model. This type of model information is assumed to be pre-stored by all software applications hence it is not necessary to be exchanged in real-time or as part of a dynamics model exchange.

Keel: en
Alusdokumendid: IEC 61970-457 ED2; prEN IEC 61970-457:2021
Asendab dokumenti: EVS-EN IEC 61970-457:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62702-1-1:2021

Audio archive system - Part 1-1: DVD disk and data migration for long term audio data storage

This part of IEC 62702 specifies a method of data-quality assurance for writable DVD disks (hereinafter disks) which are specified for long-term data storage, and a data migration method which can sustain the recorded data on disks for long-term audio data preservation. The writable disks include recordable disks such as DVD-R, and +R format, and rewritable disks such as DVD-RW, +RW format and DVD-RAM.

Keel: en
Alusdokumendid: IEC 62702-1-1 ED2; prEN IEC 62702-1-1:2021
Asendab dokumenti: EVS-EN 62702-1-1:2016
Asendab dokumenti: EVS-EN 62702-1-1:2016/AC:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62702-1-2:2021

Audio archive system - Part 1-2: BD disk and data migration for long-term audio data storage

This part of IEC 62702 specifies a method of data-quality assurance for writable disks (hereinafter "disks") which are specified for long-term data storage, and a data migration method which can sustain the recorded data on disks for long-term audio data preservation. The writable disks include BD recordable disk and BD rewritable disk.

Keel: en
Alusdokumendid: IEC 62702-1-2 ED2; prEN IEC 62702-1-2:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

35 INFOTEHNOLOOGIA

EN ISO 25119-1:202X/prA1

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 prEN ISO 25119-1

Keel: en
Alusdokumendid: ISO 25119-1:2018/Amd 1:2020; EN ISO 25119-1:202X/prA1
Muudab dokumenti: prEN ISO 25119-1

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 25119-3:202X/prA1

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 prEN ISO 25119-3

Keel: en
Alusdokumendid: ISO 25119-3:2018/Amd 1:2020; EN ISO 25119-3:202X/prA1
Muudab dokumenti: prEN ISO 25119-3

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 25119-4:202X/prA1

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 prEN ISO 25119-4

Keel: en
Alusdokumendid: ISO 25119-4:2018/Amd 1:2020; EN ISO 25119-4:202X/prA1
Muudab dokumenti: prEN ISO 25119-4

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62453-71:2021

Field device tool (FDT) interface specification - Part 71: OPC UA Information Model for FDT

This part of IEC 62453 specifies an OPC UA Information Model to represent the device information based on FDT-defined device integration.

Keel: en
Alusdokumendid: IEC 62453-71 ED1; prEN IEC 62453-71:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62702-1-1:2021

Audio archive system - Part 1-1: DVD disk and data migration for long term audio data storage

This part of IEC 62702 specifies a method of data-quality assurance for writable DVD disks (hereinafter disks) which are specified for long-term data storage, and a data migration method which can sustain the recorded data on disks for long-term audio data preservation. The writable disks include recordable disks such as DVD-R, and +R format, and rewritable disks such as DVD-RW, +RW format and DVD-RAM.

Keel: en
Alusdokumendid: IEC 62702-1-1 ED2; prEN IEC 62702-1-1:2021
Asendab dokumenti: EVS-EN 62702-1-1:2016
Asendab dokumenti: EVS-EN 62702-1-1:2016/AC:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62702-1-2:2021

Audio archive system - Part 1-2 : BD disk and data migration for long-term audio data storage

This part of IEC 62702 specifies a method of data-quality assurance for writable disks (hereinafter "disks") which are specified for long-term data storage, and a data migration method which can sustain the recorded data on disks for long-term audio data preservation. The writable disks include BD recordable disk and BD rewritable disk.

Keel: en
Alusdokumendid: IEC 62702-1-2 ED2; prEN IEC 62702-1-2:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-1

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; prEN ISO 25119-1

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-2

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; prEN ISO 25119-2

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-3

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; ISO 25119-3:2018/Amd 1:2020; prEN ISO 25119-3

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-4

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; prEN ISO 25119-4

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 27269

Health informatics - International patient summary (ISO 27269:2021)

This standard formalises the dataset required to share information about the medical background and history of a patient from the patient's country of affiliation with a healthcare professional in another country where unscheduled treatment is required. It uses the European guidelines (version 2, November 2016) as an official source for the requirements. The scope for the 'Patient Summary for Unscheduled, Cross-border Care' standard is of international significance. This standard, therefore, complements co-ordinated international efforts to maximise its utility and value, providing an interoperable dataset specification. The dataset is minimal and non-exhaustive, providing a robust, well-defined set of items that are specialty-agnostic, condition-independent and usable by all clinicians for the unscheduled care of a person. The dataset will also be usable as a valuable subset of data items for scheduled care. The dataset enables cross-border application and it will support national communication of patient summary data, thereby providing wider applicability and greater benefit from the standard for the continuity of care of a person in need. This international standard does not cover workflow processes of data entry, data collection, the summarisation act nor subsequent data presentation. Implementation guidance for specifically European concerns, e.g., Directives, terminologies, formats etc., is in the associated Technical Specification.

Keel: en
Alusdokumendid: ISO 27269:2021; prEN ISO 27269
Asendab dokumenti: EVS-EN 17269:2019

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9241-940

Ergonomics of human-system interaction - Part 940: Evaluation of tactile and haptic interactions (ISO 9241-940:2017)

This document: - describes the types of methods that can be used for the evaluation of haptic devices and of systems that include haptic devices, - specifies a procedure for the evaluation of haptic interactions by a usability walkthrough or usability test (see Annex J), and - provides guidance on the types of methods that are appropriate for the evaluation of specific attributes of haptic systems, cross-referenced to the guidance in the relevant clauses of other International Standards (see Annexes A, B, C, D, E, F and G). It applies to the following types of interaction : - augmented reality — information overlaid on a real scene, e.g. vibrating belt indicating distance; - gesture control of a device or a virtual scenario; - unidirectional interaction such as a vibrating phone or a vibrating belt; - virtual environment — virtual space with which a user can interact with the aid of a haptic device. ISO 9241-940 applies to the following types of devices: - gesture sensor, e.g. video that discerns 3D hand movements, touch screens that sense 2D touches; - kinaesthetic haptic device e.g. desktop haptic interface; - tactile display e.g. vibrating phone. ISO 9241-940 is not applicable to standard input devices such as keyboards, mice or track balls. NOTE The ISO 9241-400 subseries covers standard input devices, and ISO 9241-411 applies to the evaluation of input devices such as keyboards and mice. ISO 9241-940 can be used to identify the types of methods and measures for - establishing benchmarks, - establishing requirements for haptic interaction, - identifying problems with haptic interaction (formative evaluation), and - use of the criteria to establish whether a haptic system meets requirements (summative evaluation).

Keel: en
Alusdokumendid: ISO 9241-940:2017; prEN ISO 9241-940

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9241-971

Ergonomics of human-system interaction - Part 971: Accessibility of tactile/haptic interactive systems (ISO 9241-971:2020)

This document provides both general and specific ergonomic requirements and recommendations for accessible tactile/haptic interactive systems, including accessible tactile/haptic interactions. This document provides guidance for increasing the accessibility of interactive systems making use of tactile/haptic input/output modalities such as gestures, vibration, and force feedback. The guidance provided also supports alternative input modalities and the use of different output representations. This document provides guidance for tactile/haptic interactions that is applicable to a variety of interactive systems, including assistive technologies (AT).

Keel: en
Alusdokumendid: ISO 9241-971:2020; prEN ISO 9241-971

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO/IEC 29151

Information technology - Security techniques - Code of practice for personally identifiable information protection (ISO/IEC 29151:2017)

ISO/IEC 29151:2017 establishes control objectives, controls and guidelines for implementing controls, to meet the requirements identified by a risk and impact assessment related to the protection of personally identifiable information (PII). In particular, this Recommendation | International Standard specifies guidelines based on ISO/IEC 27002, taking into consideration the requirements for processing PII that may be applicable within the context of an organization's information security risk environment(s). ISO/IEC 29151:2017 is applicable to all types and sizes of organizations acting as PII controllers (as defined in ISO/IEC 29100), including public and private companies, government entities and not-for-profit organizations that process PII.

Keel: en
Alusdokumendid: ISO/IEC 29151:2017; prEN ISO/IEC 29151

Arvamusküsitluse lõppkuupäev: 29.01.2022

43 MAANTEESÕIDUKITE EHITUS

prEN ISO 8098
Cycles - Safety requirements for bicycles for young children (ISO/DIS 8098:2021)

This International Standard specifies safety and performance requirements and test methods for the design, assembly and testing of fully assembled bicycles and sub-assemblies for young children. It also provides guidelines for instructions on the use and care of the bicycles. This International Standard is applicable to bicycles with a maximum saddle height of more than 435 mm and less than 635 mm, propelled by a transmitted drive to the rear wheel. It is not applicable to special bicycles intended for performing stunts (e.g. BMX bicycles)

Keel: en
Alusdokumendid: ISO/DIS 8098; prEN ISO 8098
Asendab dokumenti: EVS-EN ISO 8098:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

45 RAUDTEETEHNIKA

EN 14363:2016+A1:2018/prA2:2021
Railway applications - Testing and Simulation for the acceptance of running characteristics of railway vehicles - Running Behaviour and stationary tests

Amendment to EN 14363:2016+A1:2018

Keel: en
Alusdokumendid: EN 14363:2016+A1:2018/prA2:2021
Muudab dokumenti: EVS-EN 14363:2016+A1:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 4500-006
Aerospace series - Metallic materials - Rules for drafting and presentation of material standards - Part 6: Specific rules for filler metals for brazing

The EN 4500 series specifies the rules for the drafting and presentation of metallic material standards for aerospace applications. This Part 006 specifies the “Specific rules for filler metals for brazing”.

Keel: en
Alusdokumendid: prEN 4500-006

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 4877-001
Aerospace series - Filler metals for welding - Part 001: Technical specification

This document defines the requirements for the ordering, manufacture, testing, inspection and delivery of all forms of filler metal. It is applied when referred to and in conjunction with the product procurement specification unless otherwise specified on the drawing, order or inspection schedule.

Keel: en
Alusdokumendid: prEN 4877-001

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 4877-002
Aerospace series - Filler metals for welding - Part 002: Authorized filler metals

This document defines a list of procurement specifications and standards for welding products authorized for the welding of parts.

Keel: en
Alusdokumendid: prEN 4877-002

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 9104-002
Aerospace series - Quality management systems - Part 2: Requirements for the Oversight of Aviation, Space, and Defense Quality Management System Certification Programs

This document defines the ICOP certification scheme risk-based, shared, oversight process applicable to the IAQG and associated sectors for managing oversight of the ASD industry established requirements contained in 9104-series standards (i.e. 9104-1, 9104-2, 9104-3). The oversight process provides objective evidence of conformance to the 9104-series standards and the associated requirements for accreditation and AQMS certification. If there is a conflict between the requirements of this document and applicable statutory or regulatory requirements, the latter takes precedence.

Keel: en
Alusdokumendid: prEN 9104-002
Asendab dokumenti: EVS-EN 9104-002:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

53 TÕSTE- JA TEISALDUS-SEADMED

prEN ISO 3691-4

Industrial trucks - Safety requirements and verification - Part 4: Driverless industrial trucks and their systems (ISO/DIS 3691-4:2021)

This document specifies safety requirements and the means for their verification for driverless industrial trucks (hereafter referred to as trucks) and their systems. Examples of driverless industrial trucks (trucks of ISO 5053-1) can also be known as: "automated guided vehicle", "autonomous mobile robot", "bots", "automated guided cart", "tunnel tugger", "under cart", etc. This document also contains requirements for driverless industrial trucks which are provided with: — automatic modes which either require operators' action(s) to initiate or enable such automatic operations; — the capability to transport one or more riders (which are neither considered as drivers nor as operators); — additional manual modes which allow operators to operate the truck manually; or — a maintenance mode which allows manual operation of truck functions for maintenance reasons. It is not applicable to trucks solely guided by mechanical means (rails, guides, etc.) or to remotely controlled trucks, which are not considered to be driverless trucks. For the purposes of this document, a driverless industrial truck is a powered truck, which is designed to operate automatically. A driverless truck system comprises the control system, which can be part of the truck and/or separate from it, guidance means and power system. Requirements for power sources are not covered in this document. The condition of the operating zone has a significant effect on the safe operation of the driverless industrial truck. The preparations of the operating zone to eliminate the associated hazards are specified in Annex A. This document deals with all significant hazards, hazardous situations or hazardous events during all phases of the life of the truck (ISO 12100:2010, 5.4), as listed in Annex B, relevant to the applicable machines when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. It does not give requirements for additional hazards that can occur: — during operation in severe conditions (e.g. extreme climates, freezer applications, strong magnetic fields); — during operation in nuclear environments; — from trucks intended to operate in public zones (in particular ISO 13482); — during operation on a public road; — during operation in potentially explosive environments; — during operation in military applications; — during operation with specific hygienic requirements; — during operation in ionizing radiation environments; — during the transportation of (a) person(s) other than (the) intended rider(s); — when handling loads the nature of which can lead to dangerous situations (e.g. molten metals, acids/bases, radiating materials); — for rider positions with elevation function higher than 1 200 mm from the floor/ground to the platform floor. This document does not contain safety requirements for trailer(s) being towed behind a truck. This document does not contain safety requirements for elevated operator trucks. This document is not applicable to trucks manufactured before the date of its publication.

Keel: en
Alusdokumendid: ISO/DIS 3691-4; prEN ISO 3691-4
Asendab dokumenti: EVS-EN ISO 3691-4:2020

Arvamusküsitluse lõppkuupäev: 29.01.2022

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN 15987

Leather - Terminology - Key definitions for the leather trade

This European Standard specifies the key terms and definitions used for the leather trade and provides guidance on the correct use of the term “leather”.

Keel: en
Alusdokumendid: prEN 15987
Asendab dokumenti: EVS-EN 15987:2015

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 4465

Textiles - Animal welfare in the supply chain - General requirements for the production, preparation and traceability of Angora rabbit fibre, including ethical claims and supporting information (ISO/DIS 4465:2021)

This document applies to the management and control of critical activities in Angora rabbit farming, including accommodation, reproduction, feed and nutrients, health, fibre collection, ethical claims and supporting information.

Keel: en
Alusdokumendid: ISO/DIS 4465; prEN ISO 4465

Arvamusküsitluse lõppkuupäev: 29.01.2022

65 PÕLLUMAJANDUS

EN ISO 25119-1:202X/prA1

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 prEN ISO 25119-1

Keel: en
Alusdokumendid: ISO 25119-1:2018/Amd 1:2020; EN ISO 25119-1:202X/prA1
Muudab dokumenti: prEN ISO 25119-1

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 25119-3:202X/prA1

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 prEN ISO 25119-3

Keel: en
Alusdokumendid: ISO 25119-3:2018/Amd 1:2020; EN ISO 25119-3:202X/prA1
Muudab dokumenti: prEN ISO 25119-3

Arvamusküsitluse lõppkuupäev: 29.01.2022

EN ISO 25119-4:202X/prA1

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 prEN ISO 25119-4

Keel: en
Alusdokumendid: ISO 25119-4:2018/Amd 1:2020; EN ISO 25119-4:202X/prA1
Muudab dokumenti: prEN ISO 25119-4

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 12946

Liming materials - Determination of the calcium content and magnesium content - Complexometric method

This European Standard specifies a complexometric method for the determination of the calcium content and the magnesium content of liming materials. It is not applicable to products with a mass fraction less than 2% (m/m) magnesium or those with a mass fraction more than 1% P2O5 and is not applicable to silicate liming materials.

Keel: en
Alusdokumendid: prEN 12946
Asendab dokumenti: EVS-EN 12946:2000

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15560

Fertilizers - Determination of total nitrogen in calcium cyanamide nitrate free

This European Standard specifies a method for the determination of total nitrogen in nitrate-free calcium cyanamide.

Keel: en
Alusdokumendid: prEN 15560
Asendab dokumenti: EVS-EN 15560:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15561

Fertilizers - Determination of total nitrogen in calcium cyanamide containing nitrates

This document specifies a method for the determination of total nitrogen in calcium cyanamide. The method is applicable to calcium cyanamide containing nitrates.

Keel: en
Alusdokumendid: prEN 15561
Asendab dokumenti: EVS-EN 15561:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15562

Fertilizers - Determination of cyanamide nitrogen

This document specifies a method for the determination of cyanamide nitrogen in fertilizers. The method is applicable to calcium cyanamide and calcium cyanamide/nitrate mixtures.

Keel: en
Alusdokumendid: prEN 15562
Asendab dokumenti: EVS-EN 15562:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 17657

Equipments for slaughterhouses - Slaughtering traps for bovine animals - Safety and hygiene requirements

This document specifies the safety and hygiene requirements applicable to slaughtering traps intended for bovine animals and equidae such as defined in Clause 3. These requirements take into account hazards that may arise from the transport, mounting, adjustment, maintenance and use of these slaughtering traps. NOTE This document takes into account the protection of animals at the time of killing. The machinery or installations covered by this document are intended to facilitate the slaughter of bovine animals or equidae that weigh between 100 kg and 1 200 kg. They are either rotating slaughtering traps or fixed slaughtering traps. This document does not cover the following machinery and zones: - "restrainers": systems for holding and conveying via conveyor belts; - slaughtering traps with a side door that opens under the weight of the animal alone; - slaughtering traps where the only source of energy is manual effort. This document does not cover the following essential requirements of Machinery Directive: - safety and reliability of control systems; - control devices; - failure of the power supply; - isolation of energy source. The list of significant hazards is given in the informative Annex C.

Keel: en
Alusdokumendid: prEN 17657

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-1

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; prEN ISO 25119-1

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-2

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; prEN ISO 25119-2

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-3

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; ISO 25119-3:2018/Amd 1:2020; prEN ISO 25119-3

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 25119-4

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; prEN ISO 25119-4

Arvamusküsitluse lõppkuupäev: 29.01.2022

67 TOIDUAINETE TEHNOLOOGIA

prEN 13288

Food processing machinery - Bowl lifting and tilting machines - Safety and hygiene requirements

1.1 This document specifies safety and hygiene requirements for the design, installation, operation and maintenance of lifting and tilting machines used in bakeries and pastry shops for lifting and/or tilting a container or a machine with non-removable bowl containing dough or pastry foodstuff and for tipping the contents. The lifting and tilting machines can be stationary or movable and are designed for products (e.g. mixtures of flour, water and other ingredients) or raw material (e.g. flour, mixtures etc.). This document deals with the significant hazards, hazardous situations and events relevant to lifting and tilting machines, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Annex B). 1.2 This document does not deal with the hazards due to the mixing or other function of the bowl (for dough mixers see EN 453:2014 and for planetary mixers see EN 454:2014). This document does not deal with specific hazards associated to the properties of the foodstuff (except the mass). The following machines are excluded: - experimental and testing machines under development by the manufacturer; - domestic appliances; - motorized driven mobile equipment; - lift trucks; - automatic devices working in automatic production lines (where the initiation of the movement is not due to a human action). In case of a movable machine, this document does not deal with: - hazards due to transportation of bowls with the machine; - hazards due to the displacement of the machine on its own wheels; - powered equipment that may be provided to assist the mobility of mobile bowl lifting and tilting machine. When drafting this document, it has been assumed that the machines are not intended to be cleaned with a water jet. This document does not deal with any specific requirements on noise emitted from lifting and tilting machines as the generated noise does not cause a relevant hazard. This document is not applicable to lifting and tilting machines for bakery which have been manufactured before the date of publication of this document by CEN.

Keel: en
Alusdokumendid: prEN 13288
Asendab dokumenti: EVS-EN 13288:2005+A1:2010

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-3

Foodstuffs - Detection of food allergens by molecular biological methods - Part 3: Hazelnut (Corylus avellana) - Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

This document specifies a method for the detection of hazelnut (Corylus avellana) in chocolate. Real-time PCR (Polymerase chain reaction) detection of hazelnut is based on an152 bp (base pair) sequence from the corA 1 gene of hazelnut.

Keel: en
Alusdokumendid: prEN 15634-3
Asendab dokumenti: CEN/TS 15634-3:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-4

Foodstuffs - Detection of food allergens by molecular biological methods - Part 4: Peanut (Arachis hypogaea) - Qualitative detection of a specific DNA sequence in chocolate by real-time PCR

This method describes a procedure for the qualitative detection of peanut (Arachis hypogaea) in chocolate using real-time PCR based on the gene for the peanut allergen Ara h 2 [4, 5].

Keel: en
Alusdokumendid: prEN 15634-4
Asendab dokumenti: CEN/TS 15634-4:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15634-5

Foodstuffs - Detection of food allergens by molecular biological methods - Part 5: Mustard (Sinapis alba) and soya (Glycine max) - Qualitative detection of a specific DNA sequence in cooked sausages by real-time PCR

This method specifies a procedure for the qualitative detection of species specific DNA from white mustard (Sinapis alba) and soya (Glycine max) in cooked sausages using singleplex realtime PCR based on the genes MADS-D (mustard) and lectin (soya). A mustard content of 10 mg/kg or greater and a soya content of 10 mg/kg or greater can be detected with a probability of > 95 %.

Keel: en
Alusdokumendid: prEN 15634-5
Asendab dokumenti: CEN/TS 15634-5:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

73 MÄENDUS JA MAAVARAD

prEN ISO 23875

Mining - Air quality control systems for operator enclosures - Performance requirements and test methods (ISO 23875:2021)

This document specifies performance and design requirements for air quality control systems for operator enclosures and their monitoring devices. The design specifications are universal in their application and do not contemplate specific mining environments. They are intended to meet identified parameters of both pressurization and respirable particulate and carbon dioxide concentrations. This document also specifies test methods to assess such parameters and provides operational and maintenance instructions. Recommendations are made for operational integration of the air quality control system. Gases and vapours that can be a hazard in the work environment outside of the operator enclosure are excluded from this document.

Keel: en
Alusdokumendid: ISO 23875:2021; prEN ISO 23875

Arvamusküsitluse lõppkuupäev: 29.01.2022

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 16329

Diesel and domestic heating fuels - Determination of cold filter plugging point - Linear cooling bath method

This European Standard specifies an automated method for the determination of the cold filter plugging point (CFPP) of diesel and domestic heating fuels using linear cooling. This European Standard is applicable to fatty-acid methyl esters (FAME) and to distillate fuels as well as paraffinic diesel fuels, including those containing FAME, flow-improvers or other additives, intended for use in diesel engines and domestic heating installations. The results obtained from the method specified in this European Standard are suitable for estimating the lowest temperature at which a fuel will give trouble-free flow in the fuel system. NOTE In the case of diesel fuels, the results are usually close to the temperature of failure in service except when the fuel system contains, for example, a paper filter installed in a location exposed to the weather or if the filter plugging temperature is more than 12 °C below the cloud point of the fuel. Domestic heating installations are usually less critical and often operate at a satisfactory level at temperatures somewhat lower than those indicated by the test results. WARNING - The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: prEN 16329
Asendab dokumenti: EVS-EN 16329:2013

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 13703-2

Petroleum, petrochemical and natural gas industries - Piping systems on offshore production platforms and onshore plants - Part 2: Materials (ISO/DIS 13703-2:2021)

This document provides a set of unified requirements and specifications regarding material quality level and pre-qualification for piping material of seamless pipes, welded pipes, wrought fittings, plates, forgings, bars, castings and piping bolts/nuts used for piping systems in the oil and gas industry, both offshore and onshore. This document covers the following material grades: - C-Mn steel; - high strength steel; - austenitic stainless steels; - duplex stainless steels; - nickel alloy; - Cu-Ni alloy; - titanium alloy; - Cu-alloy.

Keel: en
Alusdokumendid: ISO/DIS 13703-2; prEN ISO 13703-2

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 15589-2

Petroleum, petrochemical and natural gas industries - Cathodic protection of pipeline transportation systems - Part 2: Offshore pipelines (ISO/DIS 15589-2:2021)

This document specifies requirements and gives recommendations for the pre-installation surveys, design, materials, equipment, fabrication, installation, commissioning, operation, inspection and maintenance of cathodic protection (CP) systems for offshore pipelines for the petroleum, petrochemical and natural gas industries as defined in ISO 13623. Hardware Subsea infrastructure used to aid in the gathering of hydrocarbons, excluding pipelines, flowlines, risers and jumpers are not included in ISO 15589 as they covered by different industry standards. This document is applicable to carbon steel, stainless steel and flexible metallic pipelines in offshore service. This document is applicable to retrofits, modifications and repairs made to existing pipeline systems. This document is applicable to all types of seawater and seabed environments encountered in submerged conditions and on risers up to mean water level.

Keel: en
Alusdokumendid: ISO/DIS 15589-2; prEN ISO 15589-2
Asendab dokumenti: EVS-EN ISO 15589-2:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 7278-2

Petroleum measurement systems - Part 2: Pipe prover design, calibration and operation (ISO/DIS 7278-2:2021)

The guidance document provides descriptions of the different types of pipe provers, otherwise known as displacement provers, currently in use. These include sphere (ball) provers and piston provers operating in unidirectional and bidirectional forms. It applies to provers operated in conventional, reduced volume, and small volume modes. The guidance document describes; — the calibration methods, installation and use of pipe provers of each type. — the interaction between a pipe prover and different types of flowmeters is described. — the calculations used to derive the volumes of liquid (Annex A). — the expected acceptance criteria for fiscal and custody transfer applications are given as guidance for both the calibration of pipe provers and when proving flowmeters (Annex C). The document covers the use of pipe provers for crude oils and light hydrocarbon products which are liquid at ambient conditions. The principles will apply across applications for a wider range of liquids, including water. This includes low vapour pressure, chilled and cryogenic products however use with these products may require additional guidance.

Keel: en
Alusdokumendid: ISO/DIS 7278-2; prEN ISO 7278-2
Asendab dokumenti: EVS-EN ISO 7278-2:2000

Arvamusküsitluse lõppkuupäev: 29.01.2022

77 METALLURGIA

prEN 10088-1

Stainless steels - Part 1: List of stainless steels

This document lists the chemical composition of stainless steels, which are subdivided in accordance with their main properties into corrosion resistant steels, heat resistant steels and creep resistant steels and specified in the European Standards given in Table 1. (...) Reference data on some physical properties are given in Tables E.1 to E.8. NOTE 1 A matrix that shows which steels are included in which standard is given in Annex B. NOTE 2 Valve steels are specified in EN 10090. NOTE 3 Steel castings are specified in various European Standards (see Bibliography). NOTE 4 Tool steels are specified in EN ISO 4957. NOTE 5 Welding consumables are specified in various European Standards (see Bibliography).

Keel: en
Alusdokumendid: prEN 10088-1
Asendab dokumenti: EVS-EN 10088-1:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 10088-2

Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes

This document specifies the technical delivery conditions for hot or cold rolled sheet/plate and strip of standard grades and special grades of corrosion resistant stainless steels for general purposes. NOTE General purposes include the use of stainless steels in contact with foodstuffs. The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this document, unless otherwise specified in document. This document does not apply to components manufactured by further processing of the product forms listed above with quality characteristics altered as a result of such further processing.

Keel: en
Alusdokumendid: prEN 10088-2
Asendab dokumenti: EVS-EN 10088-2:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 10088-3

Stainless steels - Part 3: Technical delivery conditions for semi-finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general purposes

This document specifies the technical delivery conditions for semi-finished products, hot or cold formed bars, rods, wire, sections and bright products of standard grades and special grades of corrosion resistant stainless steels for general purposes. NOTE General purposes include the use of stainless steels in contact with foodstuffs. The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this document, unless otherwise specified in this document. This document does not apply to components manufactured by further processing of the product forms listed above with quality characteristics altered as a result of such further processing.

Keel: en
Alusdokumendid: prEN 10088-3
Asendab dokumenti: EVS-EN 10088-3:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 11652

Steel and iron - Determination of cobalt content - Flame atomic absorption spectrometric method (ISO 11652:1997)

This International Standard specifies a flame atomic absorption spectrometric method for the determination of the cobalt content in steel and iron. The method is applicable to cobalt contents between 0,003 % (m/m) and 5,0 % (m/m).

Keel: en
Alusdokumendid: ISO 11652:1997; prEN ISO 11652

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 14284

Steel and iron - Sampling and preparation of samples for the determination of chemical composition (ISO/DIS 14284:2021)

This document specifies methods for sampling and sample preparation for the determination of the chemical composition of pig irons, cast irons and steels. Methods are specified for both liquid and solid metal.

Keel: en
Alusdokumendid: ISO/DIS 14284; prEN ISO 14284
Asendab dokumenti: EVS-EN ISO 14284:2003

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 18203

Steel - Determination of the thickness of surface-hardened layers (ISO 18203:2016)

ISO 18203:2016 specifies a method of measuring the case hardening depth, surface hardening depth, nitriding hardness depth and total thickness of surface hardening depth obtained, e.g. thermal (flame and induction hardening, electron beam hardening, laser beam hardening, etc.) or thermochemical (carbonitriding, carburizing and hardening, hardening and nitriding, etc.) treatment.

Keel: en
Alusdokumendid: ISO 18203:2016; prEN ISO 18203
Asendab dokumenti: EVS-EN ISO 2639:2003

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 2740

Sintered metal materials, excluding hardmetals - Tensile test pieces (ISO/DIS 2740:2021)

This International Standard is applicable to all sintered metals and alloys, excluding hardmetals. This International Standard specifies: — the die cavity dimensions used for making tensile test pieces by pressing and sintering, and by Metal Injection Moulding (MIM) and sintering; — the dimensions of tensile test pieces machined from sintered and powder forged materials.

Keel: en
Alusdokumendid: ISO/DIS 2740; prEN ISO 2740
Asendab dokumenti: EVS-EN ISO 2740:2009

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 9647

Steel - Determination of vanadium content - Flame atomic absorption spectrometric method (FAAS) (ISO 9647:2020)

This document specifies a flame atomic absorption spectrometric method (FAAS) for the determination of the vanadium content in steel. The method is applicable to vanadium contents between 0,01 % (mass fraction) and 0,80 % (mass fraction), provided that the tungsten content in a 1,0 g test portion is not higher than 1,0 % and/or the titanium content is not higher than 0,5 %.

Keel: en
Alusdokumendid: ISO 9647:2020; prEN ISO 9647

Arvamusküsitluse lõppkuupäev: 29.01.2022

79 PUIDUTEHNOLOOGIA

prEN 13489

Wood-flooring and parquet - Multi-layer parquet elements

This European Standard specifies the characteristics of multi-layer parquet elements for internal use as flooring.

Keel: en
Alusdokumendid: prEN 13489
Asendab dokumenti: EVS-EN 13489:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

prEN ISO 17138

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at room temperature - Determination of flexural strength (ISO 17138:2014)

ISO 17138:2014 describes a method for the determination of the flexural strength of ceramic matrix composite materials with continuous fibre reinforcement, under three-point or four-point bend at room temperature. This method applies to all ceramic

matrix composites with a continuous fibre reinforcement, unidirectional (1D), bidirectional (2D), and tridirectional xD with (2 < x ≤ 3) as defined in CEN/TR 13233, loaded along one principal axis of reinforcement.

Keel: en
Alusdokumendid: ISO 17138:2014; prEN ISO 17138
Asendab dokumenti: EVS-EN 658-3:2002

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 17139

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of thermal expansion (ISO 17139:2014)

ISO 17139:2014 describes methods for the determination of linear thermal expansion characteristics of ceramic matrix composite materials up to 2 300 K, and is applicable to 1D, 2D, and nD materials. The method describes general principles of construction, calibration, and operation of the equipment.

Keel: en
Alusdokumendid: ISO 17139:2014; prEN ISO 17139
Asendab dokumenti: EVS-EN 1159-1:2003

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 18608

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure - Determination of the resistance to crack propagation by notch sensitivity testing (ISO 18608:2017)

ISO 18608:2017 describes a method for the classification of ceramic matrix composite (CMC) materials with respect to their sensitivity to crack propagation using tensile tests on notched specimens with different notch depths. Two classes of ceramic matrix composite materials can be distinguished: materials whose strength is sensitive to the presence of notches and materials whose strength is not affected. For sensitive materials, this document defines a method for determining equivalent fracture toughness. The parameter, Keq, is defined as the fracture toughness of a homogeneous material which presents the same sensitivity to crack propagation as the ceramic matrix composite material which is being considered. The definition of the Keq parameter offers the possibility to compare ceramic matrix composite materials with other materials with respect to sensitivity to crack propagation. For notch insensitive materials, the concept of Keq does not apply. ISO 18608:2017 applies to all ceramic matrix composites with a continuous fibre reinforcement, unidirectional (1 D), bidirectional (2 D), and tridirectional (x D, where 2 < x ≤ 3), loaded along one principal axis of reinforcement.

Keel: en
Alusdokumendid: ISO 18608:2017; prEN ISO 18608
Asendab dokumenti: EVS-EN 13234:2006

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 18754

Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of density and apparent porosity (ISO 18754:2020)

This document specifies methods for the determination of the apparent solid density, bulk density, apparent porosity and geometric bulk density of fine ceramics, including all ceramic matrix composites. Two methods are described and are designated as Methods A and B, as follows: — Method A: Determination of bulk density, apparent solid density and apparent porosity by liquid displacement (Archimedes' method). NOTE 1 This method is not appropriate for the determination of an apparent porosity greater than 10 %. For materials with higher porosity, the accuracy of the measurement might not be satisfactory. This method might also not give a satisfactory open porosity result if it is less than 0,5 %. NOTE 2 This method is also not suitable for materials which are known to have an average pore size of greater than 600 µm. — Method B: Determination of bulk density only, by measurement of geometric dimensions and mass.

Keel: en
Alusdokumendid: ISO 18754:2020; prEN ISO 18754

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 19629

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of unidimensional thermal diffusivity by flash method (ISO 19629:2018)

This document describes the flash method for the determination of thermal diffusivity of ceramic matrix composites with continuous fibre reinforcement. In order to conform with the unidimensional heat transfer hypothesis, the experimental conditions are defined such that the material behaves in a homogeneous manner. This involves performing tests in one symmetry axis of the composite. The method is applicable to materials which are physically and chemically stable during the measurement, and covers the range of temperature from 100 K to 2 800 K. It is suitable for the measurement of thermal diffusivity values in the range 10−4 m2·s−1 to 10−7 m2·s−1.

Keel: en
Alusdokumendid: ISO 19629:2018; prEN ISO 19629

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 22459

Fine ceramics (advanced ceramics, advanced technical ceramics) - Reinforcement of ceramic composites - Determination of distribution of tensile strength and tensile strain to failure of filaments within a multifilament tow at ambient temperature (ISO 22459:2020)

This document specifies the conditions for the determination of the distribution of strength and rupture strain of ceramic filaments within a multifilament tow at room temperature by performing a tensile test on a multifilament tow. This document applies to dry tows of continuous ceramic filaments that are assumed to act freely and independently under loading and exhibit linear elastic behaviour up to failure. The outputs of this method are not to be mixed up with the strengths of embedded tows determined by using ISO 24046 [1].

Keel: en
Alusdokumendid: ISO 22459:2020; prEN ISO 22459

Arvamusküsitluse lõppkuupäev: 29.01.2022

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 19712-3

Plastics - Decorative solid surfacing materials - Part 3: Determination of properties - Solid surface shapes (ISO/FDIS 19712-3:2021)

This document specifies the methods of test for determination of the properties of solid surfacing materials, as defined in Clause 3, in the form of shaped products. These methods are primarily intended for testing the materials specified in ISO 19712-1. The tests can be carried out on finished products, but are generally carried out on test panels of a size sufficient to meet the requirements of the test, and of the same material and finish as the finished product.

Keel: en
Alusdokumendid: ISO/FDIS 19712-3; prEN ISO 19712-3
Asendab dokumenti: EVS-EN ISO 19712-3:2013

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 306

Plastics - Thermoplastic materials - Determination of Vicat softening temperature (VST) (ISO/DIS 306:2021)

1.1 This International Standard specifies four methods for the determination of the Vicat softening temperature (VST) of thermoplastic materials: — Method A50 using a force of 10 N and a heating rate of 50 °C/h — Method B50 using a force of 50 N and a heating rate of 50 °C/h — Method A120 using a force of 10 N and a heating rate of 120 °C/h — Method B120 using a force of 50 N and a heating rate of 120 °C/h 1.2 The methods specified are applicable only to thermoplastics, for which they give a measure of the temperature at which the thermoplastics start to soften rapidly.

Keel: en
Alusdokumendid: ISO/DIS 306; prEN ISO 306
Asendab dokumenti: EVS-EN ISO 306:2013

Arvamusküsitluse lõppkuupäev: 29.01.2022

85 PABERITEHNOLOOGIA

prEN ISO 638-1

Paper, board, pulps and cellulosic nanomaterials - Determination of dry matter content by oven-drying method - Part 1: Materials in solid form (ISO/FDIS 638-1:2021)

This document specifies an oven-drying method for the determination of the dry matter content in paper, board, pulp and cellulosic nanomaterials in solid form, which all can be produced from virgin and /or recycled materials. It is also applicable to the determination of the dry matter content of paper and board for recycling. The procedure is applicable to paper, board, and pulp and cellulosic nanomaterials which do not contain any appreciable quantities of materials other than water that are volatile at the temperature of 105 °C ± 2 °C. It is used, for example, in the case of pulp, paper, and board and cellulosic nanomaterial samples taken for chemical and physical tests in the laboratory, when a concurrent determination of dry matter content is required. This method is not applicable to the determination of the dry matter content of slush pulp or to the determination of the saleable mass of pulp lots. NOTE 1: ISO 638-2[1] specifies an oven-drying method for the determination of the dry matter content of suspensions of cellulosic nanomaterials, ISO 287[2] specifies the determination of the moisture content of a lot of paper and board; ISO 4119[3] specifies the determination of stock concentration of pulps; ISO 801 (all parts)[4] specifies the determination of the saleable mass in lots. NOTE 2: This document determines the total dry matter content of the sample, including any dissolved solids. If only the cellulosic material content free of dissolved solids is desired, dissolved solids are removed prior to measuring the dry matter content e.g. by washing or dialysis, taking care to retain all cellulosic material; in cases where the sample is filterable without loss of cellulosic solids, ISO 4119[3] can be used to determine the stock consistency (content of cellulosic material in solid form)

Keel: en
Alusdokumendid: ISO/FDIS 638-1; prEN ISO 638-1
Asendab dokumenti: EVS-EN ISO 638-1:2021

Arvamusküsitluse lõppkuupäev: 29.01.2022

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN 12621
Machinery for supply and circulation of liquid coating materials - Safety requirements

This document deals with all significant hazards, hazardous situations and events which are relevant to machinery for supply and circulation of liquid coating material, when used as intended and under the conditions foreseen by the manufacturer, including reasonably foreseeable misuse. NOTE For additional requirements for electrostatic machinery for supply and circulation of liquid coating material see EN 50050-1:2013, EN 50059:2018, EN 50176:2009 or EN 50348:2010. The specific significant risks related to the use of machinery for supply and circulation of liquid coating material with foodstuffs and pharmaceutical products are not dealt with in this document. The machinery can be stationary or mobile. Interfaces between machinery for supply and circulation of liquid coating material and connected machinery and systems are given in Figure 1, to define the limit of the machinery. This document does not apply to: - pressure related hazards of equipment classified as higher than category 1 of Directive 2014/68/EU Article 13; NOTE 1 For equipment of higher category than category 1 of Directive 2014/68/EU, see EN 13445 (all parts) and EN 13480 (all parts). NOTE 2 See Annex B for guidance on the application of Directive 2014/68/EU. - machinery for the supply of powder coating material; - machinery for coating material recycling; - hand-held agitators; - agitators of more than 3 kW electrical power supply; - offline heating systems; - supply systems for CO2 shot-blasting machinery; - equipment used for manufacturing of coating material; - coating material packaging units (drums, containers, etc.). This document is not applicable to machinery for supply and circulation of liquid coating material manufactured before the date of its publication.

Keel: en
Alusdokumendid: prEN 12621
Asendab dokumenti: EVS-EN 12621:2006+A1:2010

Arvamusküsitluse lõppkuupäev: 30.12.2021

prEN 1953
Application equipment for coating materials - Safety requirements

This document deals with all significant hazards, hazardous situations and hazardous events which are relevant to hand-held and automatic application equipment for organic liquid, powder or flock coating material, when used as intended and under the conditions foreseen by the manufacturer, including reasonably foreseeable misuse. Together with this document, EN 50050-1:2013, EN 50050-2:2013, EN 50050-3:2013, EN 50059:2018, EN 50176:2009, EN 50177:20091, EN 50223:2015 or EN 50348:2010 give requirements for electrostatic application equipment. The specific significant risks related to the use of application equipment with foodstuffs and pharmaceutical products are not dealt with in this document. This document is not applicable to: - application equipment designed for pneumatic working pressure above 15 bar; - application equipment with rotating bell/disc designed for hydraulic working pressures above 25 bar; - non-atomizing application equipment (e. g. extruding equipment, dispenser); - fluidised bed powder coating machinery; - application equipment covered by EN 50580:2012; - supply hoses; - high pressure water jet machines (see EN 1829-1:2021); - airbrushes for graphic and artistic works; - machinery for the supply and circulation of coating materials under pressure (see prEN 12621:2020); - water-jet cutters. This document is not applicable to application equipment manufactured before the date of its publication.

Keel: en
Alusdokumendid: prEN 1953
Asendab dokumenti: EVS-EN 1953:2013

Arvamusküsitluse lõppkuupäev: 30.12.2021

prEN 927-14
Paints and varnishes - Coating materials and coating systems for exterior wood - Determination of tensile properties of coating films

This standard is directed at the investigation of the mechanical and tensile properties of free coating films. It is similar to ISO 5273 and ISO 37 for the testing of plastic and rubber materials but with particular focus on test sample preparation from free coating films. Typical parameters for the mechanical behaviour are the modulus of elasticity, the tensile strength and the elongation at break/elongation at rupture during stretching of a free coating film with constant speed.

Keel: en
Alusdokumendid: prEN 927-14

Arvamusküsitluse lõppkuupäev: 29.01.2022

91 EHITUSMATERJALID JA EHITUS

prEN 14336
Heating systems in buildings - Installation and commissioning of water based heating systems

This document specifies the requirements for the installation and commissioning of water-based heating, cooling and domestic hot water preparation (DHW) systems in buildings with a maximum operating temperature of 110°C. This document does not cover superheated water systems and steam systems. This document covers the system's requirements for the installation and commissioning of individual components of the system (e.g. heat generators, pumps, controls). It does not cover the specific commissioning requirements for these components (e.g. how to set fuel/air ratio on a boiler). This document does not cover the installation or commissioning of attached systems (e.g. air conditioning, domestic hot water distribution, ventilation systems). This document covers only the technical requirements, and does not cover any commercial or contractual arrangements between parties.

Keel: en

Alusdokumendid: prEN 14336
Asendab dokumenti: EVS-EN 14336:2004

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 15129-6
Anti-seismic devices - Part 6: Sliding isolators

This document specifies procedures for assessments and verification of constancy of performance (AVCP) of sliding isolators in relation to their characteristics. Sliding isolators with main functions in accordance with 3.1.2 are intended to be used for building and civil engineering construction works. This document comprises the following types of sliding isolators: 1. curved surface sliders (CSS, 3.1.1) (spherical and cylindrical) of the following types: a) single curved surface slider, b) double curved surface slider with rigid slider, c) double curved surface slider with articulated slider, d) multiple curved surface slider with rigid slider, e) multiple curved surface slider with articulated slider, and 2. flat surface slider (FSS, 3.1.3). This document comprises sliding isolators with some or all of the following parts: a) backing plates without lightening hollows and without ribs, b) slider without or with hinge, c) mating elements, d) sliding sheets, undimpled or dimpled, without or with lubricant (being in contact with mating element), e) containment rings (for controlling the sliding isolator kinematics but not limiting the sliding isolator displacement capacity). This document comprises sliding isolators with the following materials: a) for backing plates without hard chromium plating and for sliders: - steel in accordance with EN 10025:2019 (all parts), - cast iron in accordance with ISO 1083:2018, - cast carbon steel in accordance with ISO 14737:2015, or - stainless steel in accordance with EN 10088:2014 (all parts); b) for backing plates with hard chromium plating: - steel grade S 355 J2+N, or - fine grain steel of the same or higher grade in accordance with the EN 10025:2019 (all parts); c) for mating elements: - austenitic steel with thickness of at least 2,5 mm in accordance with EN 10088-2:2014, 1.4401 + 2B or 1.4404 +2B, - backing plates with at least 100 µm hard chromium plating in accordance with EN ISO 6158:2018; d) for sliding sheets with and without lubrication: - UHMWPE (Ultra High Molecular Weight Polyethylene), - PTFE in accordance with EN 1337-7:2004 (Clause 5), - fluorpolymer made of claimed PTFE (polytetrafluoroethylene), or - PTFE filled with solid lubricant and reinforcing fibres; e) lubricants in accordance with EN 1337-2:2004 (5.8). This document does not comprise: a) vertical seismic isolation systems, b) sliding isolators with restrainers limiting their displacement capacity, and c) sliding isolators with accumulated sliding path less than 1 000 m.

Keel: en
Alusdokumendid: prEN 15129-6
Asendab dokumenti: EVS-EN 15129:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN IEC 62561-1:2021
Lightning protection system components (LPSC) - Part 1: Requirements for connection components

This part of IEC 62561 specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS). Typically, these can be connectors, clamps, bonding and bridging components, expansion pieces and test joints. For the purposes of this document the following connection types are considered as connection components: exothermic, brazing, welding, clamping, crimping, seaming, screwing or bolting. Testing of components for an explosive atmosphere is not covered by this document.

Keel: en
Alusdokumendid: IEC 62561-1 ED3; prEN IEC 62561-1:2021
Asendab dokumenti: EVS-EN 62561-1:2017

Arvamusküsitluse lõppkuupäev: 29.01.2022

93 RAJATISED

EN ISO 17892-1:2014/prA1
Geotechnical investigation and testing - Laboratory testing of soil - Part 1: Determination of water content - Amendment 1 (ISO 17892-1:2014/DAM 1:2021)

Amendment to EN ISO 17892-1:2014

Keel: en
Alusdokumendid: ISO 17892-1:2014/DAmd 1; EN ISO 17892-1:2014/prA1
Muudab dokumenti: EVS-EN ISO 17892-1:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

97 OLME. MEELELAHUTUS. SPORT

FprEN IEC 60335-2-23:2019/prA1:2021
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

This European Standard deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-23:2016/A1:2019; FprEN IEC 60335-2-23:2019/prA1:2021
Muudab dokumenti: FprEN IEC 60335-2-23

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN 17795-5

Entertainment Technology - Codes of Practice - Part 5: Lifting and motion Operations in the Event Industry

This document provides a set of guidelines for lifting and motion operations related to machinery and machinery installations used in staging and production facilities for events. For the purpose of this document there is no difference between rigging as known in the event industry and lifting and motion operations in theatres. Such facilities may include, but not exclusively, theatres, multipurpose halls, studios, production facilities for film, television or radio, concert halls, congress centres, schools, exhibition centres, trade-fair centres, museums, discotheques, amusement parks, sports facilities and open-air-theatres. Events are, for example, concerts, shows, congresses, exhibitions, presentations, demonstrations, film or television recordings, etc. This document covers the use of machinery employed in the event industry including machinery defined in point j Article 1.2 of Machinery Directive (2006/42/EC): “machinery intended to move performers during artistic performances” For the purposes of this document, machinery installations are all technical installations and equipment used for operations in stage and production facilities in the event industry. Such installations are used to lift, lower, suspend and move loads which may include but not exclusively, scenery or objects, truss systems, lighting, audiovisual, sound equipment or performers. Typical lifting and motion operations may include but are not limited to the following: - auditorium elevators; - compensating elevators; - fly bar systems (manual and motor driven); - lighting bars; - movable lighting towers; - movable stage platforms (stage wagons); - movable proscenium arches; - orchestra elevators; - point hoists; - chain hoist; - projection screens (manual or motor-driven); - scenery storage elevators; - side stage and rear stage shutters; - stage elevators; - tiltable stage floors; - trap elevators. The guidelines in this document also apply to machinery installations based on new technologies or specially designed installations which are not expressly mentioned here but which nevertheless operate in a similar manner or are meant for similar purposes to those listed above.

Keel: en
Alusdokumendid: prEN 17795-5

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-1

Protective equipment for use in ice hockey - Part 1: General requirements (ISO/DIS 10256-1:2021)

ISO 10256-1:202x specifies general requirements and test methods for head, face, neck and body protectors (hereafter referred to as protectors) for use in ice hockey and is intended to be used in conjunction with other collateral standards in the ISO 10256 series. ISO 10256-1:202x is intended only for protectors used for ice hockey. Requirements are given for the following: a) terms and definitions; b) materials and construction; c) tolerances; d) conditioning; e) test report; f) markings; and g) information for users. In the ISO 10256 series, collateral standards specify performance requirements for protectors for use in ice hockey and are intended to be used in conjunction with this part of ISO 10256. NOTE 1 The requirements of a clause take precedence over a figure. NOTE 2 The intent is to reduce the risk of injury to an ice hockey player without compromising the form or appeal of the game. These standards presume that the rules of play for ice hockey will be followed by players and enforced by officials.

Keel: en
Alusdokumendid: ISO/DIS 10256-1; prEN ISO 10256-1
Asendab dokumenti: EVS-EN ISO 10256-1:2016

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-2

Protective equipment for use in ice hockey - Part 2: Head protection for skaters (ISO/DIS 10256-2:2021)

ISO 10256-2:202x specifies performance requirements and test methods for head protectors for use in ice hockey and is intended to be used in conjunction with ISO 10256-1:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction b) protected area (coverage); c) penetration resistance (test blade); d) field of vision; e) shock absorbing capacity; f) retention system properties; g) test report; h) markings; and i) information for users. This part of ISO 10256 applies to head protectors worn by — ice hockey players (not goalkeepers, except where ISO 10256-4:202x references this Standard), and — referees.

Keel: en
Alusdokumendid: ISO/DIS 10256-2; prEN ISO 10256-2
Asendab dokumenti: EVS-EN ISO 10256-2:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-3

Protective equipment for use in ice hockey - Part 3: Face and eye protectors for skaters (ISO/DIS 10256-3:2021)

ISO 10256-3:202x specifies performance requirements and test methods for face and eye protectors (visors) for use in ice hockey. It is intended to be used in conjunction with ISO 10256-1:202x and ISO 10256-2:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction; b) design; c) protected area (coverage); d) penetration resistance (test blade); e) puck impact resistance; f) optical quality; g) test report; h) markings; and i) information for users. This part of ISO 10256 applies to face and eye protectors worn by — ice hockey players (not goaltenders except where ISO 10256-4:202x references this Standard), and — referees.

Keel: en

Alusdokumendid: ISO/DIS 10256-3; prEN ISO 10256-3
Asendab dokumenti: EVS-EN ISO 10256-3:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 10256-4

Protective equipment for use in ice hockey - Part 4: Head and face protection for goalkeepers (ISO/DIS 10256-4:2021)

ISO 10256-4:202x specifies performance requirements and test methods for head and face protectors for use by ice hockey goalkeepers. It is intended to be used in conjunction with ISO 10256-1:202x, ISO 10256-2:202x, and ISO 10256-3:202x. Requirements and the corresponding test methods, where appropriate, are given for the following: a) materials and construction; b) design; c) protected areas (coverage); d) penetration resistance (test blade/disk); e) shock absorbing capacity; f) puck impact resistance; g) retention system properties; h) field of vision; i) test report; j) markings; and k) information for users.

Keel: en
Alusdokumendid: ISO/DIS 10256-4; prEN ISO 10256-4
Asendab dokumenti: EVS-EN ISO 10256-4:2018

Arvamusküsitluse lõppkuupäev: 29.01.2022

prEN ISO 8098

Cycles - Safety requirements for bicycles for young children (ISO/DIS 8098:2021)

This International Standard specifies safety and performance requirements and test methods for the design, assembly and testing of fully assembled bicycles and sub-assemblies for young children. It also provides guidelines for instructions on the use and care of the bicycles. This International Standard is applicable to bicycles with a maximum saddle height of more than 435 mm and less than 635 mm, propelled by a transmitted drive to the rear wheel. It is not applicable to special bicycles intended for performing stunts (e.g. BMX bicycles)

Keel: en
Alusdokumendid: ISO/DIS 8098; prEN ISO 8098
Asendab dokumenti: EVS-EN ISO 8098:2014

Arvamusküsitluse lõppkuupäev: 29.01.2022

TÕLKED KOMMENTEERIMISEL

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

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

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

EVS-EN 12405-1:2021

Gaasiarvestid. Teisendusseadmed. Osa 1: Mahu teisendus

Selles dokumendis täpsustatakse nõuded ja katsed gaasiarvestitega seotud elektrooniliste gaasimahu teisendusseadmete, , mida kasutatakse 1. ja 2. perekonna kütusegaaside mahtude mõõtmisel vastavalt standardile EN 437, konstruktsiooni, toimivuse, ohutuse ja nõuetekohasuse tõendamise kohta See dokument on mõeldud tüübikatsetusteks, mille üksikasjalikud asjakohased sätted on esitatud lisas A. Dokumendis käsitletakse ainult kolme liiki teisendusi: — teisendamine ainult temperatuuri funktsioonina (T teisendus); — teisendamine rõhu ja temperatuuri funktsioonina konstantse kokkusurutavusteguri korral (PT teisendus); — teisendamine rõhu ja temperatuuri funktsioonina võttes arvesse kokkusurutavustegurit (PTZ teisendus). See dokument ei ole asjakohane integreeritud temperatuuriteisendusega gaasiarvestite korral, kuna need näitavad ainult teisendatud mahtu. Gaasimahu teisendusseadmed hõlmavad arvutusplokki ja temperatuurimuundurit või arvutusplokki temperatuurimuundurit ja kohapeal paigaldatud rõhumuundurit. Selle dokumendi kohaldamisel võib jaotistes 3.1.20.1 ja 3.1.20.2 esitatud määratluste kohaselt teisendusseadet tootja valikul käsitleda tervikliku seadmena (tüüp 1) või eraldi elementidest koosnevana (tüüp 2). Viimasel juhul on rõhu- ja temperatuurimuundureid ning temperatuuritajureid käsitlevad sätted esitatud vastavalt lisades B, C ja D. Iga teisendusseade näeb ette gaasiarvesti näiduhälbekõvera parandamise. MÄRKUS Lõpptarbijale arve esitamisel võib teisendusseadme näitusid kasutada koos näitudega gaasiarvestilt, mis vastab standarditele EN 1359, EN 12480 või EN 12261 või mis tahes muule asjakohasele ja -omasele rahvusvahelisele või riigisisesele gaasiarvestite standardile piiramata riigisiseste eeskirjade kohaldamist.

Keel: et
Alusdokumendid: EN 12405-1:2021

Kommenteerimise lõppkuupäev: 30.12.2021

EVS-EN 50708-2-1:2020

Jõutrafod. Täiendavad Euroopa nõuded. Osa 2-1: Keskmised jõutrafod. Üldnõuded

Selle dokumendi käsitlusala on määratleda keskmiste jõutrafode energiatõhusus vastavalt standardile EN 50708-1-1:2020.

Keel: et
Alusdokumendid: EN 50708-2-1:2020

Kommenteerimise lõppkuupäev: 30.12.2021

EVS-EN 60700-2:2016/prA1

Alalisvooluülekande türistorventiilid. Osa 2: Terminoloogia

EN 60700-2:2016 muudatus

Keel: et
Alusdokumendid: IEC 60700-2:2016/AMD1:2021; EN 60700-2:2016/A1:2021

Kommenteerimise lõppkuupäev: 30.12.2021

EVS-EN ISO 11885:2009

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

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

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

Kommenteerimise lõppkuupäev: 30.12.2021

prEN 17529

Lõimeline ja vaikeline andmekaitse ja privaatsus

Dokument määratleb lõimelise ja vaikelise andmekaitse ja privaatsuse (LVAKP) konkreetsed nõuded tootjatele/valmistajatele ja teenuseandjatele evitamiseks oma toodete ja teenuste varases arendusjärgus, s.o. enne iga konkreetse rakenduse integreerimist või sõltumata selle integratsioonist, eesmärgiga tagada [toodete ja teenuste] võimalikult kõrge privaatsusvalmidus. Dokument on kohaldatav kõigis ärisektorites, sh turbetööstuses.

Keel: et
Alusdokumendid: prEN 17529

Kommenteerimise lõppkuupäev: 30.12.2021

prEN ISO 12543-1

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas Osa 1: Komponentide määratlemine ja kirjeldus

Dokumendis määratletakse terminid ja kirjeldatakse ehitistes kasutatava lamineeritud klaasi ja lamineeritud turvaklaasi komponente.

Keel: et
Alusdokumendid: ISO/DIS 12543-1; prEN ISO 12543-1

Kommenteerimise lõppkuupäev: 30.12.2021

prEN ISO 12543-2

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas Osa 2: Lamineeritud turvaklaas

Selles dokumendis määratletakse lamineeritud turvaklaasi toimivusnõuded, nagu on standardis ISO 12543-1 sätestatud. MÄRKUS Paigaldatud lamineeritud turvaklaasist leitud defekte käsitletakse standardis ISO 12543-1.

Keel: et
Alusdokumendid: ISO/DIS 12543-2; prEN ISO 12543-2

Kommenteerimise lõppkuupäev: 30.12.2021

prEN ISO 12543-3

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas Osa 3: Lamineeritud klaas

Selles dokumendis määratletakse lamineeritud klaasi toimivusnõuded, nagu on standardis ISO 12543-1 sätestatud. MÄRKUS Paigaldatud lamineeritud turvaklaasist leitud defekte käsitletakse standardis ISO 12543-6.

Keel: et
Alusdokumendid: ISO/DIS 12543-3; prEN ISO 12543-3

Kommenteerimise lõppkuupäev: 30.12.2021

prEN ISO 12543-4

Ehitusklaas. Lamineeritud klaas ja lamineeritud turvaklaas Osa 4: Vastupidavuse katsemeetodid

Selles dokumendis täpsustatakse katsemeetodid, mis on seotud ehituses kasutatava lamineeritud klaasi ja lamineeritud turvaklaasi vastupidavusega kõrgele temperatuurile, niiskusele ja kiirgusele.

Keel: et
Alusdokumendid: ISO/DIS 12543-4; prEN ISO 12543-4

Kommenteerimise lõppkuupäev: 30.12.2021

prEN ISO 4787

Laboratooriumi klaasnõud. Mahumõõdunõud. Mahu katsetamise ja kasutamise meetodid (ISO/DIS 4787:2021)

See rahvusvaheline standard esitab klaasmahunõude katsemeetodid, et saavutada mahunõude katsetamisel, kalibreerimisel ja kasutamisel parim täpsustase. MÄRKUS Katsetamine on protsess, millega määratakse üksikobjektide vastavus asjakohasele standardile, kulmineerudes selle hälvete määramisega ühes või mitmes skaalapunktis. Üksikteemade rahvusvahelised standardid sisaldavad jaotisi mahu määratluse osas, mis kirjeldavad käsitletavaid meetodeid piisavalt detailselt, et määrata maht ühetähenduslikult. See rahvusvaheline standard täiendab teavet, mis sisaldub nendes määratlustes. Standardi protseduurid on rakendatavad nominaalmõõduga mahunõudele, mis on tavaliselt mõõteulatusega 0,1 ml kuni 10 000 ml. Need mahunõud hõlmavad jaotamise ja ilma alajaotusteta ühemärgi pipette (vt ISO 648); skaalaga mõõtepipette ja osaliste või täielike alajaotistega lahjendamise pipette (vt ISO 835); bürette (vt ISO 385); mahukolbe (vt ISO 1042) ja skaalaga mõõtesilindreid (vt ISO 4788). Need protseduurid ei ole soovitatavad alla 0,1 ml mahunõude katsetamiseks, nagu näiteks mikroklaasnõud. Antud rahvusvaheline standard ei käsitle otseselt standardis ISO 3507 määratletud püknomeetreid. Siiski võib klaasnõude mahu määramise allpool esitatud protseduure suures osas järgida ka püknomeetrite kalibreerimisel.

Keel: et
Alusdokumendid: ISO/DIS 4787; prEN ISO 4787

Kommenteerimise lõppkuupäev: 30.12.2021

prEVS-EN 12732

Gaasivarustussüsteemid. Terastorustiku keevitamine. Talitluslikud nõuded

See standard sisaldab nõudeid gaasivarustustussüsteemis kasutatud ja maismaal paiknevate keevitatud torujuhtmete ja torustike tootmisele ja katsetamisele nende paigaldamisel ja täiustamisel, kaasa arvatud rõhu all olevate torujuhtmed. See sisaldab kõigis rõhupiirkondades mittetoksilise ja mittesöövitava, standardile EN ISO 13686 vastava maagaasi ja mittetraditsiooniliste gaaside, nagu sissejuhitavat biometaani ja vesinikku, kus: • torujuhtme elemendid on tehtud mittelegeer- või madallegeer-süsinikterasest; • torujuhe ei asetse äri- või tööstushoonetes kui tehnoloogilise protsessi integreeritud osa, välja arvatud kõik selliseid hooneid varustavad torujuhtmed ja seadmed; • torustik ei asetse majapidamisvõrkudes või tööstusseadmetes vastavuses standardile EN 1775 või EN 15001; • süsteemi arvutustemperatuur on vahemikus −40 °C kuni 120 °C kaasa arvatud. Sissejuhitavale biometaanile või vesinikule on tehtud talitlustike nõuete üksikasjalik tehniline hindamine, tagamaks, et seal ei ole ühtegi gaaside koostisosa või gaaside omadustest, mis võivad mõjutada torujuhtme terviklikkust. See standard ei rakendu keevisõmblustele. mis on valmistatud enne selle standardi väljaandmist. See standard spetsifitseerib üldised põhiprintsiibid gaasi varustussüsteemile. Selle standardi kasutajad peaksid olema teadlikud, et CEN-i maades võivad olla enam detailiseeritud rahvuslikud standardid ja/või koodid (ingl codes) (tegevusjuhendid). See standard on mõeldud kasutamiseks koos nende riiklike standarditega ja/või tööjuhenditega (ingl codes), mis panevad paika ülalpool mainitud aluspõhimõtted. Lahkhelide korral, kui rahvusliku seadustiku/reeglistiku nõuded on rangemad selle standardi nõuest, tuleb eesõigus anda rahvuslikule seadustikule/reeglistikule, nagu on näidatud tehnilises aruandes CEN/TR 13737 (kõik osad). MÄRKUS CEN/TR 13737 (kõik osad) sisaldab: • riigis kohalduvate asjakohaste seadustike/reeglistike selgitust; • kui on kohane, enam piiravaid rahvuslikke nõudeid; • rahvuslikku viimase info saamise kontaktpunkti.

Keel: et
Alusdokumendid: EN 12732:2021

Kommenteerimise lõppkuupäev: 30.12.2021

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

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

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

PIKENDAMISKÜSITLUS

EVS 908-1:2016

Hoone piirdetarindi soojusläbivuse arvutusjuhend. Osa 1: Välisõhuga kontaktis olev läbipaistmatu piire

Guidance for calculation of thermal transmittance of building envelope. Part 1: Opaque building envelope in contact with outdoor-air

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

Pikendamisküsitluse lõppkuupäev: 30.12.2021

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 727:2016

Teraviljasaadused. Magnetilise metallilisandi määramine
Cereal products - Determination of magnetic metal admixture

Selles Eesti standardis kirjeldatakse teraviljasaaduste (jahu, tangained ja kliid) magnetilise metallilisandi määramise meetodeid.

Kehtima jätmise alus: EVS/TK 01 otsus nr 77 ja teade pikendamisküsitluse kohta 15.10.2021 EVS Teatajas

EVS 730:2016

Teraviljasaadused. Fraktsioonilise koostise, lisandite, jämeduse ja tangu kvaliteetse tuuma määramine
Cereal products - Sieve analysis of fractions, determination of admixture content, particle size and sound kernels in groats

Selles Eesti standardis kirjeldatakse jahu ja tangainete (sh lihvitud hernes) jämeduse ning tangainetes leiduvate lisandite ja kvaliteetse tuuma määramist. MÄRKUS Lisandite määramist riisitangus käsitleb standard EVS-ISO 7301:2011 „Riis. Tehnilised tingimused“.

Kehtima jätmise alus: EVS/TK 01 otsus nr 77 ja teade pikendamise kohta 15.10.2021 EVS Teatajas

EVS 745:2010

Kauba ja materjali massi mõõtmine kaalumisega. Mõõtemetoodika
Goods and materials mass measurement by weighing - Measurement method

Käesolev Eesti standard käsitleb kauba ja materjalide massi mõõtmist kaalu abil ning saadud mõõdistest massi ja mõõteobjekti tiheduse tabeliandmete põhjal mahu mõõtetulemuse ja selle mõõtemääramatuse arvutamist. Standardi mõõtemetoodika kirjeldab kauba, materjalide massi ja mahu mõõtmist kaalu abil ladudes, kauplustes, tollis, müügitehingutes ja muudel analoogilistel juhtudel. Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes ning sõidukite massi (või teljekoormuse) kontrollimisel.

Kehtima jätmise alus: EVS/TK 38 otsus 14.10.2021 2-5/55 ja teade pikendamisküsitlusest 15.10.2021 EVS Teatajas.

EVS 746:2010

Tükikauba koguse mõõtmine. Mõõtemetoodika
Piece goods quantity measurement - Measurement method

Käesolev Eesti standard käsitleb kauba koguse mõõtmist tükikauba loendamise teel ning (vajadusel) tükikauba kaubapartii kogumassi või -mahu väärtuse ja selle mõõtemääramatuse arvutamist tükikauba massi või mahu väärtuste põhjal. Standardi mõõtemetoodika kirjeldab tükikauba loendamist, kaubapartii kogumassi või -mahu väärtuse arvutamist ladudes, kauplustes, müügitehingutes, tollis ja muudel analoogilistel juhtudel. Standardi mõõtemetoodikat on võimalik kasutada tolliseadusega, aktsiisiseadusega, tarbijakaitseseadusega ja mõõteseadusega määratletud juhtudel riigijärelevalve toimingutes ning maksude määramisel kaubakoguste massi ja mahu mõõtmisel tollis, aktsiisiladudes, riigijärelevalve ametites ja asutustes.

Kehtima jätmise alus: EVS/TK 38 otsus 16.09.2021 2-5/54 ja teade pikendamisküsitlusest 16.09.2021 EVS Teatajas.

TÜHISTAMISKÜSITLUS

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

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

EVS-EN 196403:2002

Blank Detail specification: Push button switches - Assessment level Y

A statement of the principal usage features of the device; for example "panel mounting, high current".

Keel: en
Alusdokumendid: EN 196403:1998
Tühistamisküsitluse lõppkuupäev: 30.12.2021

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 62271-1:2017/A1:2021

High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear

Eeldatav avaldamise aeg Eesti standardina 03.2022

EN IEC 62031:2020/A11:2021

Üldtarbevalgustuse leedmoodulid. Ohutusnõuded
LED modules for general lighting - Safety specifications

Eeldatav avaldamise aeg Eesti standardina 01.2022

EN 12732:2021

Gas infrastructure - Welding steel pipework - Functional requirements

Eeldatav avaldamise aeg Eesti standardina 03.2022

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

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

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

EVS 914:2020/AC2:2021
Koristuse kvaliteedi kokku leppimine ja hindamine
System for establishing and assessing cleaning quality

EVS-EN 1990:2002+NA:2002/AC:2021
Eurokoodeks. Ehituskonstruktsioonide projekteerimise alused
Eurocode - Basis of structural design

EVS-EN 60335-2-27:2014/AC:2021
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-27: Erinõuded naha kiiritusseadmetele, mis põhinevad optilisel kiirgusel
Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation

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-EN 10216-5:2021

Terasest õmblusteta survetorud. Tehnilised tarnetingimused. Osa 5: Roostevabast terasest torud

Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes

See dokument spetsifitseerib austeniitsest (sealhulgas roomekindlast terasest) ja austeniit-ferriitsest roostevabast terasest valmistatud ümmarguse ristlõikega keevisõmblusteta torude tehnilised tarnetingimused, mis on ette nähtud rõhu- ja korrosioonikindlaks kasutamiseks toatemperatuuril, madalal temperatuuril või kõrgendatud temperatuuril, kahes katsekategoorias. MÄRKUS Pärast viite avaldamist sellele dokumendile Euroopa Liidu Teatajas (Official Journal of the European Union, OJEU) piirdub selle vastavus direktiivi 2014/68/EL olulistele ohutusnõuetele (Essential Safety Requirements, ESR) selles standardis käsitletud materjalide tehniliste andmetega ja see ei tähenda, et need materjalid sobiksid konkreetsele surveseadmele. Seetõttu tuleb surveseadmete direktiivi (Pressure Equipment Directive) oluliste ohutusnõuete täitmise verifitseerimisel hinnata selles materjalistandardis esitatud tehniliste andmete vastavust konkreetse surveseadme projekteerimisnõuetele ja seda teeb surveseadme projekteerija või tootja, võttes arvesse ka kõiki järgnevaid valmistusprotsesse, mis võivad mõjutada alusmaterjalide omadusi.

EVS-EN 10217-7:2021

Terasest keevitatud survetorud. Tehnilised tarnetingimused. Osa 7: Roostevabast terasest torud

Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes

See dokument spetsifitseerib austeniit- ja austeniit-ferriitterasest valmistatud ümmarguse ristlõikega keevitatud torude tehnilised tarnetingimused, mis on ette nähtud kasutamiseks survekoormusel ja söövitavas keskkonnas toatemperatuuril, madalal temperatuuril ja kõrgendatud temperatuuril, kahes katsekategoorias. MÄRKUS Pärast viite avaldamist sellele dokumendile Euroopa Liidu Teatajas (Official Journal of the European Union, OJEU) piirdub selle vastavus direktiivi 2014/68/EL olulistele ohutusnõuetele (Essential Safety Requirements, ESR) selles standardis käsitletud materjalide tehniliste andmetega ja see ei tähenda, et need materjalid sobiksid konkreetsele surveseadmele. Seetõttu tuleb surveseadmete direktiivi (Pressure Equipment Directive) oluliste ohutusnõuete täitmise verifitseerimisel hinnata selles materjalistandardis esitatud tehniliste andmete vastavust konkreetse surveseadme projekteerimisnõuetele ja seda peab tegema surveseadme projekteerija, võttes arvesse ka kõiki järgnevaid valmistusprotsesse, mis võivad mõjutada alusmaterjalide omadusi.

EVS-EN 508-3:2021

Plekist katuse- ja seinakattetooted. Isekandvate terasest, alumiiniumist ja roostevabast terasest plekist valmistatud toodete spetsifikatsioon. Osa 3: Roostevaba teras

Roofing and cladding products from metal sheet - Specification for self-supporting products of steel, aluminium or stainless steel sheet - Part 3: Stainless steel

See standardi EN 508 osa esitab nõuded katuste ja seinte kattena (fassaadi kattena), vooderduse, kassettprofiilidena ja katusekiviprofiilidena kasutatavale, mittepidevalt (tükkidena) paigaldatavale isekandvale profileeritud roostevabast terasest plekile, mis on täiendava metall- ja/või orgaanilise pinnakattega või ilma. Samuti kuulub käsitlusalasse soojustusega ja membraaniga kaetud plekk. See dokument kehtestab üldised omadused, määratlused, klassifikatsiooni ning toodete sildistamise koos nõuetega materjalidele, millest neid tooteid võib valmistada. Standard on mõeldud kasutamiseks nii tootjatele, tagamaks toodete vastavuse nõuetele, kui ka ostjatele, veendumaks, et tooted vastavad nõuetele enne nende tehasest väljastamist. Standard määratleb nõuded toodetele, mida on võimalik kasutada kõigis normaalsetes ekspluatatsioonitingimustes. See dokument kehtib kõigile mittepidevalt paigaldatavatele isekandvatele väliskasutuse profileeritud katuseplaatidele, seinakatetele, vooderdustele, kassettprofiilidele ja katusekiviprofiiliga toodetele, välja arvatud katusekiviprofiiliga tooted, mille pind on väiksem kui 1 m² ning mis on toodetud stantsimise teel. Need profileeritud katuseplaadid on kujundatud, takistamaks tuule, vihma ja lume hoonesse sattumist ning edastamaks kõik summaarsed koormused ja harva esinevad hoolduskoormused kandekonstruktsioonile. See dokument ei hõlma kandekonstruktsiooniks ette nähtud tooteid, st see hõlmab konstruktsiooniklassi III kuuluvaid ehitistes kasutatavaid tooteid (standardi EN 1993-1-3 kohaselt), ei hõlma aga konstruktsiooniklassidesse I ja II kuuluvaid ehitistes kasutatavaid tooteid (standardi EN 1993-1-3 kohaselt), mis on ette nähtud hoone konstruktsiooni üldise või osalise stabiilsuse kindlustamiseks, tagades lõiketugevuse või vastupanu püsivatele staatilistele koormustele (välja arvatud pleki omakaal). Standard ei sisalda nõudeid kandekonstruktsiooni, katuse- või seinakatte, vooderduse ja katusekiviprofiilide kujunduse ning ühenduste ja hüdroisolatsiooni teostuse kohta.

EVS-EN 62563-1:2010/A1:2016

Elektrilised meditsiiniseadmed. Meditsiinilised kuvasüsteemid. Osa 1: Hindamismeetodid

Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods (IEC 62563-1:2009/A1:2016)

Standardi EN 62563-1:2010 muudatus

EVS-EN 62563-1:2010/A2:2021

Elektrilised meditsiiniseadmed. Meditsiinilised kuvasüsteemid. Osa 1: Hindamismeetodid
Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods (IEC 62563-1:2009/AMD2:2021)

Standardi EN 62563-1:2010 muudatus

EVS-EN 62563-1:2010+A1+A2:2021

Elektrilised meditsiiniseadmed. Meditsiinilised kuvasüsteemid. Osa 1: Hindamismeetodid
Medical electrical equipment - Medical image display systems - Part 1: Evaluation methods (IEC 62563-1:2009 + IEC 62563-1:2009/A1:2016 + IEC 62563-1:2009/AMD2:2021)

Standardi IEC 62563 selles osas kirjeldatakse hindamismeetodeid meditsiiniliste KUVASÜSTEEMIDE katsetamiseks. Selle rahvusvahelise standardi käsitlusala hõlmab praktilisi katseid, mis põhinevad visuaalsel hindamisel või esmaste testseadmetega teostatud mõõtmistel. Nimetatud süsteemidel võib teha põhjalikumaid ja kvantitatiivsemaid mõõtmisi, kuid need jäävad selle dokumendi käsitlusalast välja. See standard on kohaldatav meditsiinilistele KUVASÜSTEEMIDELE, mis võivad kuvada pildiinfot hallskaala- ja värviKUVASÜSTEEMIDEL. See standard on kohaldatav meditsiinilistele KUVASÜSTEEMIDELE, mida kasutatakse diagnostika (meditsiiniliste piltide tõlgendamine kliinilise diagnoosi määramiseks) või vaatluse (meditsiiniliste kujutiste vaatlemine meditsiinilisel eesmärgil ilma meditsiinilise tõlgendamiseta) eesmärgil ja seega, mille puhul on olemas erinõuded pildikvaliteedile. Selle standardi käsitlusala ei kata peaskantavaid KUVASÜSTEEME ja KUVASÜSTEEME, mis on abiks positsioneerimisel ja süsteemi talitlemisel. Käeshoitavate KUVASÜSTEEMIDE korral võib vaja minna selles standardis kirjeldatud protseduuride täiendatud või muudetud versioone. Selle standardi käsitlusalasse ei kuulu vastavus- ja püsivuskatsete kriteeriumide või püsivuskatsete sageduste määratlemine.

EVS-EN IEC 63044-5-2:2019

Kodu- ja hooneelektroonikasüsteemid ning hoone automaatika- ja juhtimissüsteemid. Osa 5-2: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ning hoone automaatika- ja juhtimissüsteemidele, mida kasutatakse olme-, kaubandus- ja väiketööstuskeskkondades
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments (IEC 63044-5-2:2017)

Kohaldatakse standardi IEC 63044-5-1:2017 peatükki 1 koos järgmise muudatusega: Asendada neljas lõik järgmiselt: Selles dokumendis määratakse kindlaks elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemide / hoone automaatika- ja juhtimissüsteemide paigaldamiseks elamu-, kaubandus- ja kergetööstuskeskkondadesse standardi IEC 61000-6-1 määratluse kohaselt.

EVS-EN ISO 22854:2021

Vedelkütused. Süsivesinikrühmade ja hapnikku sisaldavate ühendite määramine mootoribensiinis ja etanoolkütuses (E85). Mitmemõõtmeline gaaskromatograafiline meetod
Liquid petroleum products - Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel - Multidimensional gas chromatography method (ISO 22854:2021)

Selles dokumendis täpsustatakse mootoribensiini ja etanoolkütuses (E85) olevate küllastunud, olefiinsete ja aromaatsete süsivesinike gaaskromatograafilise (gas chromatographic, GC) määramise katsemeetodit. Lisaks saab määrata benseeni- ja tolueenisisalduse, hapnikuga rikastatud ühendite sisalduse ja kogu hapnikusisalduse. MÄRKUS 1 Selle dokumendi tähenduses kasutatakse aine kohta väljendit „% (m/m)“ aine massiosa w tähistamiseks ja väljendit „% (V/V)“ mahuosa murdosa φ tähistamiseks. Selles dokumendis määratletakse kaks toimingut: A ja B. Toimingut A saab kasutada mootoribensiinil, kus aromaatide üldsisaldus on 19,32 % (V/V) kuni 46,29 % (V/V), olefiinide üldsisaldus 0,40 % (V/V) kuni 26,85 % (V/V), hapnikuühendite sisaldus 0,61 % (V/V) kuni 9,85 % (V/V), hapnikusisaldus 1,50 % (m/m) kuni 12,32 % (m/m), benseenisisaldus 0,38 % (V/V) kuni 1,98 % (V/V) ja tolueenisisaldus 5,85 % (V/V) kuni 31,65 % (V/V). Toimingut kasutati ka üksikutel hapniku ühenditel. Täpsus määrati metanooli üldmahule 1,05 % (V/V) kuni 16,96 % (V/V), etanooli üldmahule 0,50 % (V/V) kuni 17,86 % (V/V) , MTBE kogumahule 0,99 % (V/V) kuni 15,70 % (V/V), ETBE kogumahule 0,99 % (V/V) kuni 15, 49 % (V/V), TAME üldmahule 0,99 % (V/V) kuni 5,92 % (V/V) ja TAEE üldmahule 0,98 % (V/V) kuni 15,59 % (V/V). Kuigi seda toimingut saab kasutada suurema, üle 50 % (V/V), olefiinisisalduse määramiseks, määrati olefiinide täpsust ainult vahemikus 0,40 % (V/V) kuni 26,85 % (V/V). Kuigi see toiming töötati välja eraldi hapniku ühendeid sisaldava mootoribensiini analüüsimiseks, võib seda kasutada ka teistel sarnaste keemisvahemikega süsivesinikel, nagu näiteks naftad ja reformaadid. MÄRKUS 2 Toimingu A puhul kontrolliti selle dokumendi rakendatavust ka n-propanooli, atsetooni ja diisopropüüleetri (di-isopropyl ether, DIPE) määramiseks. Nende ühendite kohta pole siiski täpsust kindlaks tehtud. Toiming B kirjeldab hapnikku sisaldavate ühendite (etanool, metanool, eetrid, C3 kuni C5 alkoholid) analüüsi etanoolkütustes (E85), mille etanoolisisaldus on vahemikus 50 % (V/V) kuni 85 % (V/V). Mootoribensiin lahjendatakse hapnikuvaba ühendiga, et vähendada etanoolisisaldust enne GC analüüsi alla 20 % (V/V) väärtuseni. Proovi süsivesinikke saab täielikult analüüsida. Lahjendatud proovi täpsus on ainult hapnikuühendite rühma kohta. MÄRKUS 3 Toimingu B puhul saab täpsust kasutada etanoolisisaldusel ligikaudu 50 % (V/V) kuni 85 % (V/V). Eetrisisalduse kohta võib tabelis 6 toodud täpsust kasutada proovide puhul, kui eetrisisaldus on vähemalt 11 % (V/V). Suurema alkoholisisalduse kohta saadi täieliku täpsuse saamiseks liiga vähe andmeid ja seetõttu on tabelis 6 esitatud andmed ainult soovituslikud. MÄRKUS 4 C9 ja C10 aromaatsed ühendid võivad kattuda. Üldine tulemus on siiski õige. Isopropüülbenseen eraldatakse C8 aromaatsetest ühenditest ja ühineb teiste C9 aromaatsete ühenditega.

EVS-EN ISO 6927:2021

Hoonete ja rajatiste hermeetikud. Sõnastik
Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)

See dokument määratleb tehnilised terminid isetasanduvatele ja püstoliga paigaldatavatele (gun-grade) hermeetikutele, mida kasutatakse maapealsetes avatud konstruktsioonides.

STANDARDIPEALKIRJADE MUUTMINE

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

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN IEC 63044-5-2:2019	Kodu- ja hooneelektroonikasüsteemid ja hooneautomaatika- ja hoonejuhtimissüsteemid. Osa 5-2: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ja hooneautomaatika- ja hoonejuhtimissüsteemidele, mida kasutatakse olme-, kaubandus- ja väiketööstuskeskkondades	Kodu- ja hooneelektroonikasüsteemid ning hoone automaatika- ja juhtimissüsteemid. Osa 5-2: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ning hoone automaatika- ja juhtimissüsteemidele, mida kasutatakse olme-, kaubandus- ja väiketööstuskeskkondades

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN ISO 6927:2021	Buildings and civil engineering sealants - Vocabulary (ISO 6927:2021)	Hoonete ja rajatiste hermeetikud. Sõnastik

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 2009/48/EÜ
Mänguasjade ohutus
Komisjoni rakendusotsus (EL) 2021/1992
(EL Teataja 2021/ L 405)

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 71-13:2021 Mänguasjade ohutus. Osa 13: Lõhnavad lauamängud, kosmeetikakomplektid ja maitsmismängud	16.11.2021	EN 71-13:2014	15.05.2022
EVS-EN 71-2:2020 Mänguasjade ohutus. Osa 2: Süttivus	16.11.2021	EN 71-2:2011+A1:2014	15.05.2022
EVS-EN 71-3:2019+A1:2021 Mänguasjade ohutus. Osa 3: Teatud elementide migratsioon	16.11.2021	EN 71-3:2019	15.05.2022
EVS-EN 71-4:2020 Mänguasjade ohutus. Osa 4: Katsekomplektid keemiakatseteks ja samalaadseks tegevuseks	16.11.2021	EN 71-4:2013	15.05.2022