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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

CEN ISO/TS 80004-6:2021

Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2021)

This document defines terms related to the characterization of nano-objects in the field of nanotechnologies. It is intended to facilitate communication between organizations and individuals in research, industry and other interested parties and those who interact with them.

Keel: en
Alusdokumendid: ISO/TS 80004-6:2021; CEN ISO/TS 80004-6:2021
Asendab dokumenti: CEN ISO/TS 80004-6:2015

EVS-EN ISO 12671:2021

Thermal spraying - Thermally sprayed coatings - Symbolic representation on drawings (ISO 12671:2021)

This document specifies how the symbolic representation of thermally sprayed coatings is indicated on drawings.

Keel: en
Alusdokumendid: ISO 12671:2021; EN ISO 12671:2021
Asendab dokumenti: EVS-EN ISO 12671:2014

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 80004-6:2021

Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2021)

This document defines terms related to the characterization of nano-objects in the field of nanotechnologies. It is intended to facilitate communication between organizations and individuals in research, industry and other interested parties and those who interact with them.

Keel: en
Alusdokumendid: ISO/TS 80004-6:2021; CEN ISO/TS 80004-6:2021
Asendab dokumenti: CEN ISO/TS 80004-6:2015

11 TERVISEHOOLDUS

CEN/TS 17626:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for human specimen - Isolated microbiome DNA

This document specifies requirements and gives recommendations for the pre-examination phase of human specimens, such as stool, saliva, skin and urogenital specimens, intended for microbiome DNA examination. The pre-examination phase includes but is not limited to specimen collection, handling, transport, storage, processing, isolation of DNA, and documentation. This document is applicable to molecular in vitro diagnostic examinations performed by medical laboratories. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organizations performing biomedical research, and regulatory authorities. Different dedicated measures are taken for pre-examination processes for infectious disease examination (e.g. targeted pathogen identification) and for microbiome DNA examination from tissue (e.g. biopsies). These are outside of the scope of this document. Different dedicated measures are taken for pre-examination processes for saliva for human genomic DNA examination. These are not described in this document but are covered in CEN/TS 17305, Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for saliva - Isolated DNA. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: CEN/TS 17626:2021

EVS-EN IEC 60601-2-83:2020+A11:2021

Elektrilised meditsiiniseadmed. Osa 2-83: Erinõuded koduse valgusraviseadme esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment (IEC 60601-2-83:2019)

IEC 60601-2-83:2019 is applicable to the BASIC SAFETY and ESSENTIAL PERFORMANCE of HOME LIGHT THERAPY EQUIPMENT, intended for use in the HOME HEALTHCARE ENVIRONMENT. HOME LIGHT THERAPY EQUIPMENT is typically used by a LAY OPERATOR. The scope of this document includes all light sources except laser.

Keel: en
Alusdokumendid: IEC 60601-2-83:2019; EN IEC 60601-2-83:2020; EN IEC 60601-2-83:2020/A11:2021
Konsolideerib dokumenti: EVS-EN IEC 60601-2-83:2020

Konsolideerib dokumenti: EVS-EN IEC 60601-2-83:2020/A11:2021

EVS-EN ISO 20417:2021

Meditsiiniseadmed. Tootja esitatav teave
Medical devices - Information to be supplied by the manufacturer (ISO 20417:2021)

NOTE 1 There is guidance or rationale for this Clause contained in Clause A.2. This document specifies the requirements for information supplied by the manufacturer for a medical device or by the manufacturer for an accessory, as defined in 3.1. This document includes the generally applicable requirements for identification and labels on a medical device or accessory, the packaging, marking of a medical device or accessory, and accompanying information. This document does not specify the means by which the information is to be supplied. NOTE 2 Some authorities having jurisdiction impose different requirements for the identification, marking and documentation of a medical device or accessory. Specific requirements of medical device product standards or group standards take precedence over requirements of this document.

Keel: en
Alusdokumendid: ISO 20417:2021; EN ISO 20417:2021
Asendab dokumenti: EVS-EN 1041:2008+A1:2013

EVS-EN ISO 80601-2-87:2021

Medical electrical equipment - Part 2-87: Particular requirements for basic safety and essential performance of high-frequency ventilators (ISO 80601-2-87:2021)

Clause 1 of the general standard (IEC 60601-1:2005+AMD1:2012,) applies, except as follows: Replacement: This document applies to the basic safety and essential performance of a high-frequency ventilator (HFV) in combination with its accessories, hereafter referred to as ME equipment: – intended for use in an environment that provides specialized care for patients whose conditions can be life-threatening and who can require comprehensive care and constant monitoring in a professional healthcare facility; NOTE 1 For the purposes of this document, such an environment is referred to as a critical care environment. High-frequency ventilators for this environment are considered life-sustaining. NOTE 2 For the purposes of this document, such a high-frequency ventilator can provide transport within a professional healthcare facility (i.e. be a transit-operable ventilator). NOTE 3 A high-frequency ventilator intended for use in transport within a professional healthcare facility is not considered as an ventilator intended for the emergency medical services environment. – intended to be operated by a healthcare professional operator; – intended for those patients who need differing levels of support from artificial ventilation including ventilator-dependent patients; and – capable of providing more than 150 inflations/min. There are three principal designations of HFV: – high frequency percussive ventilation (HFPV, with a typical HFV frequency of (60 to 1 000) HFV inflations/min); – high frequency jet ventilation (HFJV, with a typical HFV frequency of (100 to 1 500) HFV inflations/min); and – high frequency oscillatory ventilation (HFOV, with a typical HFV frequency of (180 to 1200) HFV inflations/min and typically having an active expiratory phase). Additionally, HFV designations can be combined together or with ventilation at rates less than 150 inflations/min.

Keel: en
Alusdokumendid: EN ISO 80601-2-87:2021; ISO 80601-2-87:2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 13565-2:2019/AC:2021

Paiksed tulekustutussüsteemid. Vahtsüsteemide komponendid. Osa 2: Projekteerimine, ehitamine ja hooldus
Fixed firefighting systems - Foam systems - Part 2: Design, construction and maintenance

Standardi EVS-EN 13565-2:2019 parandus.

Keel: en, et
Alusdokumendid: EN 13565-2:2018+AC:2019/AC:2021
Parandab dokumenti: EVS-EN 13565-2:2019

EVS-EN 50136-3:2013/A1:2021

Alarm systems - Alarm transmission systems and equipment - Part 3: Requirements for Receiving Centre Transceiver (RCT)

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the receiving centre transceiver (RCT) installed in ARC and used in alarm transmission systems. The alarm transmission system requirements and classifications are defined within EN 50136 1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages. The term alarm message is used in this broad sense throughout the document. Where application specific standards exist, the RCT should comply with relevant standards called up by that application. The RCT can be either an integrated element of any receiving/annunciation equipment, or a stand-alone device. In either case, the requirements of this European Standard should apply. The function of the RCT is to monitor the ATPs, receive alarm messages, forward alarm messages to one or more AEs and send acknowledgements to the SPTs. Management of the transmission network is not in the scope of this European Standard.

Keel: en
Alusdokumendid: EN 50136-3:2013/A1:2021
Muudab dokumenti: EVS-EN 50136-3:2013

EVS-EN ISO 19085-12:2021

Puidutöötlemismasinad. Ohutus. Osa 12: Tappimis-/profileerimismasinad
Woodworking machines - Safety - Part 12: Tenoning/profiling machines (ISO 19085-12:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary, manually loaded and unloaded: - single end tenoning machines with manual feed sliding table, - single end tenoning machines with mechanical feed sliding table, - single end tenoning and/or profiling machines with mechanical feed, - double end tenoning and/or profiling machines with mechanical feed, also designed to be automatically loaded/unloaded, - angular systems for tenoning and profiling with mechanical feed, with maximum work-piece height capacity of 200 mm for single end machines and 500 mm for double end machines, hereinafter referred to as “machines”. It deals with all significant hazards, hazardous situations and events 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.

Keel: en
Alusdokumendid: ISO 19085-12:2021; EN ISO 19085-12:2021
Asendab dokumenti: EVS-EN 1218-1:2000+A1:2009
Asendab dokumenti: EVS-EN 1218-2:2004+A1:2009
Asendab dokumenti: EVS-EN 1218-5:2004+A1:2010

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 60051-2:2021

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 2: Erinõuded ampermeetritele ja voltmeetritele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 2: Special requirements for ammeters and voltmeters

IEC 60051-2:2018 applies to direct acting indicating ammeters and voltmeters having an analogue display. It also applies to: • direct acting indicating ammeters and voltmeters whose scale marks do not correspond directly to their electrical input quantity, provided that the relationship between them is known; • direct acting indicating ammeters and voltmeters and accessories having electronic devices in their measuring and/or auxiliary circuits. This document does not apply to: • special purpose instruments which are covered by their own IEC standards; • special purpose devices which are covered by their own IEC standards when they are used as accessories. IEC 60051-2:2018 cancels and replaces the fourth edition published in 1984. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test item. This International Standard is to be used in conjunction with IEC 60051-1:2016.

Keel: en
Alusdokumendid: IEC 60051-2:2018; EN IEC 60051-2:2021
Asendab dokumenti: EVS-EN 60051-2:2001

EVS-EN IEC 60051-3:2021

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 3: Erinõuded vattmeetritele ja varrmeetritele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 3: Special requirements for wattmeters and varmeters

IEC 60051-3:2018 applies to direct acting indicating wattmeters and varmeters having an analogue display. IEC 60051-3:2018 also applies to: • non-interchangeable accessories (as defined in 3.1.23 of IEC 60051-1:2016) used with wattmeters and varmeters; • a combination of the instruments and the accessories provided that the adjustments have been made for the combination; • direct acting indicating electrical measuring instruments whose scale marks do not correspond directly to their electrical input quantity, provided that the relationship between them is known; • instruments and accessories having electronic devices in their measuring and/or auxiliary circuits. IEC 60051-3:2018 does not apply to: • special purpose instruments which are covered by their own IEC standards; • special purpose devices which are covered by their own IEC standards when they are used as accessories. IEC 60051-3:2018 cancels and replaces the fourth edition published in 1984 and Amendment 1:1994. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items. IEC 60051-3:2018 is to be used in conjunction with IEC 60051-1:2016.

Keel: en
Alusdokumendid: EN IEC 60051-3:2021; IEC 60051-3:2018
Asendab dokumenti: EVS-EN 60051-3:2001

EVS-EN IEC 60051-4:2021

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadised. Osa 4: Erinõuded sagedusmõõturitele
Direct acting indicating analogue electrical measuring instruments and their accessories title - Part 4: Special requirements for frequency meters

IEC 60051-4:2018 applies to direct acting indicating analogue frequency meters of the following types: • pointer-type frequency meters (as defined in 3.2.11 of IEC 60051-1:2016); • vibrating-reed frequency meters (as defined in 3.2.12 of IEC 60051-1:2016). IEC 60051-4:2018 also applies to non-interchangeable accessories (as defined in 3.1.23 of IEC 60051-1:2016) used with frequency meters. IEC 60051-4:2018 cancels and replaces the fourth edition published in 1984. This edition constitutes a

technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) updating of content in line with new editions of IEC 60051-1 and IEC 60051-9; b) addition of Annex A to specify the nonconformity classification of test items. IEC 60051-4:2018 is to be used in conjunction with IEC 60051-1:2016.

Keel: en
Alusdokumendid: IEC 60051-4:2018; EN IEC 60051-4:2021
Asendab dokumenti: EVS-EN 60051-4:2001

EVS-EN IEC 60051-9:2021

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisatarvikud. Osa 9: Soovitatavad katsemeetodid
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 9: Recommended test methods

IEC 60051-9:2019 applies to direct acting indicating analogue electrical measuring instruments and their accessories and gives guidance for applicable test methods and for the performance of test equipment. This document does not apply to: – special purpose instruments that are covered by their own IEC International Standards; – special purpose devices that are covered by their own IEC International Standards when they are used as accessories. IEC 60051-9:2018 cancels and replaces the fourth edition published in 1988, Amendment 1:1994 and Amendment 2:1995. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) adding performance requirements for test equipment; b) updating the references to the applicable standards for test methods.

Keel: en
Alusdokumendid: EN IEC 60051-9:2021; IEC 60051-9:2019
Asendab dokumenti: EVS-EN 60051-9:2001

EVS-EN IEC 60216-3:2021

Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics

IEC 60216-3:2021 specifies the calculation procedures used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2, using fixed ageing temperatures and variable ageing times. The experimental data can be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests can be incomplete, in that it is possible that measurement of times taken to reach the end-point will have been terminated at some point after the median time but before all specimens have reached end-point. The procedures are illustrated by worked examples, and suitable computer programs are recommended to facilitate the calculations. This edition includes the following significant technical changes with respect to the previous edition: - a new computer program has been included; - Annex E " has been completely reworked.

Keel: en
Alusdokumendid: IEC 60216-3:2021; EN IEC 60216-3:2021
Asendab dokumenti: EVS-EN 60216-3:2006

EVS-EN IEC 62052-11:2021

Elektrimõõteseadmed. Üldnõuded, katsetused ja katsetingimused. Osa 11: Mõõteseadmed
Electricity metering equipment - General requirements, tests and test conditions - Part 11: Metering equipment

IEC 62052-11:2020 (E) specifies requirements and associated tests, with their appropriate conditions for type testing of AC and DC electricity meters. This document details functional, mechanical, electrical and marking requirements, test methods, and test conditions, including immunity to external influences covering electromagnetic and climatic environments. This document applies to electricity metering equipment designed to: • measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC, or 1 500 V DC; • have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays; • operate with integrated displays (electromechanical or static meters); • operate with detached indicating displays, or without an indicating display (static meters only); • be installed in a specified matching sockets or racks; • optionally, provide additional functions other than those for measurement of electrical energy. Meters designed for operation with Low Power Instrument Transformers (LPITs as defined in the IEC 61869 series) may be tested for compliance with this document and the relevant IEC 62053 series documents only if such meters and their LPITs are tested together as directly connected meters. This document is also applicable to auxiliary input and output circuits, operation indicators, and test outputs of equipment for electrical energy measurement. This document also covers the common aspects of accuracy testing such as reference conditions, repeatability and measurement of uncertainty. This document does not apply to: • meters for which the voltage line-to-neutral derived from nominal voltages exceeds 1 000 V AC, or 1 500 V DC; • meters intended for connection with low power instrument transformers (LPITs as defined in the IEC 61869 series of standards) when tested without such transformers; • metering systems comprising multiple devices (except of LPITs) physically remote from one another; • portable meters; • meters used in rolling stock, vehicles, ships and airplanes; • laboratory and meter test equipment; • reference standard meters; • data interfaces to the register of the meter; • matching sockets or racks used for installation of electricity metering equipment; • any additional functions provided in electrical energy meters. This document does not cover measures for the detection and prevention of fraudulent attempts to compromise a meter's performance (tampering). This second edition cancels and replaces the first edition published in 2003, and its amendment 1:2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) Removed all meter safety requirements; the meter safety requirements are covered in IEC 62052-31:2015; b) Included requirements for meter power consumption and voltage requirements from IEC 62053-61; IEC 62053-61 is withdrawn; c) Included requirements for meter symbols from IEC 62053-52; IEC 62053-52 is withdrawn; d) Included requirements for meter pulse output devices from IEC 62053-31; IEC 62053-31 is withdrawn; e) Added new requirements and tests including: meters

with detached indicating displays, and meters without indicating displays, meter sealing provisions; measurement uncertainty and repeatability; time-keeping accuracy; type test.

Keel: en
Alusdokumendid: IEC 62052-11:2020; EN IEC 62052-11:2021
Asendab dokumenti: EVS-EN 62052-11:2003
Asendab dokumenti: EVS-EN 62052-11:2003/A1:2017
Asendab dokumenti: EVS-EN 62052-11:2003/A1:2017/AC:2018
Asendab dokumenti: EVS-EN 62052-11:2003+A1:2017

19 KATSETAMINE

EVS-EN IEC 60068-2-20:2021

Environmental testing - Part 2-20: Tests - Test Ta and Tb: Test methods for solderability and resistance to soldering heat of devices with leads

IEC 60068-2-20:2021 outlines Tests Ta and Tb, applicable to devices with leads and leads themselves. Soldering tests for surface mounting devices (SMD) are described in IEC 60068-2-58. This document provides procedures for determining the solderability and resistance to soldering heat of devices in applications using solder alloys, which are eutectic or near eutectic tin lead (Pb), or lead-free alloys. The procedures in this document include the solder bath method and soldering iron method. The objective of this document is to ensure that component lead or termination solderability meets the applicable solder joint requirements of IEC 61191-3 and IEC 61191-4. In addition, test methods are provided to ensure that the component body can be resistant to the heat load to which it is exposed during soldering. This edition includes the following significant technical changes with respect to the previous edition: - update of and clarification of pre-conditioning (former "aging") and its relation to natural aging.

Keel: en
Alusdokumendid: IEC 60068-2-20:2021; EN IEC 60068-2-20:2021
Asendab dokumenti: EVS-EN 60068-2-20:2008

EVS-EN IEC 60068-2-38:2021

Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test

IEC 60068-2-38:2021 specifies a composite test procedure, primarily intended for component type specimens, to determine, in an accelerated manner, the resistance of specimens to the deteriorative effects of high temperature/humidity and cold conditions. This test standard does not apply to specimens that are energized during the complete test. Specimens can be energized during the constant phases of the tests. Measurements on energized specimens are typically carried out during constant phases of the test unless specified otherwise. This third edition cancels and replaces the second edition, published in 2009. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - the figures have been updated; - changes to the wording has been made for clarification purposes.

Keel: en
Alusdokumendid: IEC 60068-2-38:2021; EN IEC 60068-2-38:2021
Asendab dokumenti: EVS-EN 60068-2-38:2009

EVS-EN IEC 60216-3:2021

Electrical insulating materials - Thermal endurance properties - Part 3: Instructions for calculating thermal endurance characteristics

IEC 60216-3:2021 specifies the calculation procedures used for deriving thermal endurance characteristics from experimental data obtained in accordance with the instructions of IEC 60216-1 and IEC 60216-2, using fixed ageing temperatures and variable ageing times. The experimental data can be obtained using non-destructive, destructive or proof tests. Data obtained from non-destructive or proof tests can be incomplete, in that it is possible that measurement of times taken to reach the end-point will have been terminated at some point after the median time but before all specimens have reached end-point. The procedures are illustrated by worked examples, and suitable computer programs are recommended to facilitate the calculations. This edition includes the following significant technical changes with respect to the previous edition: - a new computer program has been included; - Annex E " has been completely reworked.

Keel: en
Alusdokumendid: IEC 60216-3:2021; EN IEC 60216-3:2021
Asendab dokumenti: EVS-EN 60216-3:2006

EVS-EN IEC 61010-2-091:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

IEC 61010-2-091:2019 specifies particular safety requirements for cabinet X-ray systems, which fall under any of categories a), b) or c) below. 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. NOTE 1 This includes bench-top power supplies intended to aid a testing or measuring operation on another piece of equipment. Power supplies intended to power equipment are within the scope of IEC 61558 (see 1.1.2 h)). This standard also applies to test equipment

integrated into manufacturing processes and intended for testing manufactured devices. NOTE 2 Manufacturing test equipment is likely to be installed adjacent to and interconnected with industrial machinery in this application. 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 equipment may also be used in areas other than laboratories; examples include selftest IVD equipment to be used in the home and inspection equipment to be used to check people or material during transportation. This second edition cancels and replaces the first edition published in 2012. It constitutes a technical revision. This edition includes the following significant changes from the first edition, as well as numerous other changes: - The scope of the document has been clarified and limited to equipment up to 500 kV. - Additional marking requirements for X-ray generating assemblies have been added. (5.1) - Requirements for high-voltage cables used in the X-ray assembly have been added. (6.5) - Insulation requirements have been added. (6.7) - Temperature requirements for beam-limiting devices have been added. (10.3) - Clarification has been provided on and , and test methods. (12) - Requirements for have been modified, taking into account functional safety standards. (15) - Requirements for reasonably foreseeable misuse have been clarified. (16) - Risk assessment has been made mandatory for specific aspects. (17).

Keel: en
Alusdokumendid: IEC 61010-2-091:2019; EN IEC 61010-2-091:2021
Asendab dokumenti: EVS-EN 61010-2-091:2012
Asendab dokumenti: EVS-EN 61010-2-091:2012/AC:2013

EVS-EN IEC 61010-2-091:2021/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

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

Keel: en
Alusdokumendid: EN IEC 61010-2-091:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-091:2021

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

EVS-EN 13411-9:2021

Terminations for steel wire ropes - Safety - Part 9: Solid thimbles

This document specifies the minimum requirements for solid thimbles made of steel or cast iron for terminations of stranded steel wire ropes. This document is applicable to ferrule-secured terminations with solid thimbles in combination with ferrules (see EN 13411-3), that have an efficiency factor KT of at least 0,9, and to spliced terminations with solid thimbles (see EN 13411-2), that have an efficiency factor KT of at least 0,8, which are used as accessories for steel wire ropes, such as slings or wire rope assemblies, having a lifting, lowering or load-bearing effect in hoisting equipment. Examples of designs of solid thimbles which meet the requirements of this standard are given in informative Annexes B and C. Round thimbles (thimble with rotational symmetry around the bore) are not subject to this document. This document is applicable to ferrule-secured terminations that are manufactured after the date of publication of this document. Hazards that are dealt with in this document are listed in Clause 4.

Keel: en
Alusdokumendid: EN 13411-9:2021

25 TOOTMISTEHNOLOOGIA

CEN ISO/TR 20172:2021

Welding - Grouping systems for materials - European materials (ISO/TR 20172:2021)

This document establishes a European grouping system for materials for welding purposes, classified in accordance with the grouping system of ISO/TR 15608. It is also applicable for other purposes such as heat treatment, forming and non-destructive testing. This document covers grouping systems for the following standardized materials: a) steel; b) aluminium and its alloys; c) copper and its alloys; d) cast irons; e) nickel and nickel alloys. For materials that are not assigned to a group in this document, the criteria of ISO/TR 15608 apply.

Keel: en
Alusdokumendid: ISO/TR 20172:2021; CEN ISO/TR 20172:2021
Asendab dokumenti: CEN ISO/TR 20172:2009

EVS-EN ISO 12671:2021

Thermal spraying - Thermally sprayed coatings - Symbolic representation on drawings (ISO 12671:2021)

This document specifies how the symbolic representation of thermally sprayed coatings is indicated on drawings.

Keel: en
Alusdokumendid: ISO 12671:2021; EN ISO 12671:2021
Asendab dokumenti: EVS-EN ISO 12671:2014

EVS-EN ISO 3834-2:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 2: Laialdased kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements (ISO 3834-2:2021)

See dokument määrab laialdased kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

Keel: en, et
Alusdokumendid: ISO 3834-2:2021; EN ISO 3834-2:2021
Asendab dokumenti: EVS-EN ISO 3834-2:2006

EVS-EN ISO 3834-3:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 3: Standardsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements (ISO 3834-3:2021)

See dokument määrab standardsed kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

Keel: en, et
Alusdokumendid: ISO 3834-3:2021; EN ISO 3834-3:2021
Asendab dokumenti: EVS-EN ISO 3834-3:2006

EVS-EN ISO 3834-4:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 4: Elementaarsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements (ISO 3834-4:2021)

See dokument määrab elementaarsed kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

Keel: en, et
Alusdokumendid: ISO 3834-4:2021; EN ISO 3834-4:2021
Asendab dokumenti: EVS-EN ISO 3834-4:2006

EVS-EN ISO 4518:2021

Metallic coatings - Measurement of coating thickness - Profilometric method (ISO 4518:2021)

This document specifies a method for the measurement of metal coating thickness by first forming a step between the surface of the coating and the surface of its substrate and then measuring the step height using a profile recording instrument. It covers the instrumentation characteristics and the procedure appropriate to this specific application of profilometric methods. The method is applicable to the measurement of thicknesses of metal coatings from 0,01 µm to 1 000 µm on flat surfaces and, if appropriate precautions are taken, on cylindrical surfaces. It is highly suitable for the measurement of minute thicknesses but, for thicknesses of less than 0,01 µm, surface flatness and surface smoothness are very critical and, accordingly, the method is not suitable for use down to the lowest level of measurement usual for electronic stylus instruments. The method is suitable for measuring coating thicknesses when preparing coating thickness reference standards.

Keel: en
Alusdokumendid: ISO 4518:2021; EN ISO 4518:2021
Asendab dokumenti: EVS-EN ISO 4518:1999

29 ELEKTROTEHNIKA

EVS-EN 50290-2-24:2021

Communication cables - Part 2-24: Common design rules and construction - Polyethylene sheathing compounds

This document gives specific requirements for halogen free polyolefin based sheathing compounds used for halogen free communication cables with improved characteristics in the case of fire. Compounds, described by this document, are commonly also named HFFR or HFFR-LS (halogen free, flame/fire retardant, low smoke), see also EN 50290-2-20. It is expected to be read in conjunction with EN 50290-2-20, the product standards EN 50288 series, EN 60794 series and other applicable product standards. Improved characteristics in the case of fire are demonstrated by specific fire tests on cables for flame/fire retardant applications (e.g. single or bunched cable fire test). Additional tests to prove the characteristics in case of fire, e.g. such as smoke emission test, might also be part of the dedicated product standard or specification. This document describes the compound types as given in Table 1.

Keel: en
Alusdokumendid: EN 50290-2-24:2021
Asendab dokumenti: EVS-EN 50290-2-24:2003
Asendab dokumenti: EVS-EN 50290-2-24:2003/A1:2009

EVS-EN 50290-2-27:2021

Communication cables - Part 2-27: Common design rules and construction - Halogen free polyolefin based sheathing compounds for cables having improved flame and fire properties (HFFR)

This document gives specific requirements for halogen free polyolefin based sheathing compounds used for halogen free communication cables with improved characteristics in the case of fire. Compounds, described by this document, are commonly also named HFFR or HFFR-LS (halogen free, flame/fire retardant, low smoke), see also EN 50290-2-20. It is expected to be read in conjunction with EN 50290-2-20, the product standards EN 50288 series, EN 60794 series and other applicable product standards. Improved characteristics in the case of fire are demonstrated by specific fire tests on cables for flame/fire retardant applications (e.g. single or bunched cable fire test). Additional tests to prove the characteristics in case of fire, e.g. such as smoke emission test, might also be part of the dedicated product standard or specification. This document describes the compound types as given in Table 1.

Keel: en
Alusdokumendid: EN 50290-2-27:2021
Asendab dokumenti: EVS-EN 50290-2-27:2003
Asendab dokumenti: EVS-EN 50290-2-27:2003/A1:2007
Asendab dokumenti: EVS-EN 50290-2-27:2003/A1:2007/AC:2010

EVS-EN 60400:2017/A1:2021

Lambipesad torukujulistele luminofoorlampidele ja süüturipesad
Lampholders for tubular fluorescent lamps and starterholders

Standardi EN 60400:2017 muudatus

Keel: en
Alusdokumendid: IEC 60400:2017/A1:2020; EN 60400:2017/A1:2021
Muudab dokumenti: EVS-EN 60400:2017

EVS-EN IEC 60598-2-1:2021

Valgustid. Osa 2-1: Erinõuded. Kohtkindlad üldtarbevalgustid
Luminaires - Part 2-1: Particular requirements - Fixed general purpose luminaires

IEC 60598-2-1:2020 specifies requirements for fixed general purpose luminaires for use with electric light sources on supply voltages not exceeding 1 000 V. This second edition cancels and replaces the first edition published in 1979 and Amendment 1:1987. This edition constitutes a technical revision. This edition includes the following technical changes with respect to the previous edition (there are no major technical changes, see Annex A): a) the scope has been modified to be in line with Part 1 to include all electric light sources, b) references to Part 1 have been updated.

Keel: en
Alusdokumendid: IEC 60598-2-1:2020; EN IEC 60598-2-1:2021
Asendab dokumenti: EVS-EN 60598-2-1:2001

EVS-EN IEC 60947-4-1:2019/AC:2021

Madalpingelised lülitusaparaadid. Osa 4-1: Kontaktorid ja mootorikäivitid. Elektromehaanilised kontaktorid ja mootorikäivitid
Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters

Corrigendum to EN IEC 60947-4-1:2019

Keel: en
Alusdokumendid: IEC 60947-4-1:2018/COR2:2021; EN IEC 60947-4-1:2019/AC:2021-04
Parandab dokumenti: EVS-EN IEC 60947-4-1:2019

EVS-EN IEC 62281:2019+A1:2021

Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2019 + IEC 62281:2019/A1:2021)

This International Standard specifies test methods and requirements for primary and secondary (rechargeable) lithium cells and batteries to ensure their safety during transport other than for recycling or disposal. Requirements specified in this document do not apply in those cases where special provisions given in the relevant regulations, listed in 7.3, provide exemptions. NOTE Different standards may apply for lithium-ion traction battery systems used for electrically propelled road vehicles.

Keel: en
Alusdokumendid: IEC 62281:2019; EN IEC 62281:2019; IEC 62281:2019/A1:2021; EN IEC 62281:2019/A1:2021
Konsolideerib dokumenti: EVS-EN IEC 62281:2019
Konsolideerib dokumenti: EVS-EN IEC 62281:2019/A1:2021

EVS-EN IEC 62680-1-2:2021

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

IEC 62680-1-2:2021 defines a power delivery system covering all elements of a USB system including: Hosts, Devices, Hubs, Chargers and cable assemblies. This specification describes the architecture, protocols, power supply behavior, connectors and cabling necessary for managing power delivery over USB at up to 100W. This specification is intended to be fully compatible and extend the existing USB infrastructure. It is intended that this specification will allow system OEMs, power supply and peripheral developers adequate flexibility for product versatility and market differentiation without losing backwards compatibility. This fourth edition cancels and replaces the fourth edition published in 2019 and constitutes a technical revision. It is also identified as USB Power Delivery Specification, Revision 3.0, Version 2.0 This updated release of the USB PD specification was made to incorporate all the ECNs that were made to USB PD 3.0, V1.2. This makes a full completed printed specifications with all ECNs incorporated into a hard copy specification.

Keel: en
Alusdokumendid: IEC 62680-1-2:2021; EN IEC 62680-1-2:2021
Asendab dokumenti: EVS-EN IEC 62680-1-2:2020

31 ELEKTROONIKA

EVS-EN IEC 61189-5-301:2021

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-301: General test methods for materials and assemblies - Soldering paste using fine solder particles

IEC 61189-5-301:2021 specifies methods for testing the characteristics of soldering paste using fine solder particles (hereinafter referred to as solder paste). This document is applicable to the solder paste using fine solder particle such as type 6, type 7 specified in IEC 61190-1-2 or finer particle sizes. This type of solder paste is used for connecting wiring and components in high-density printed circuit boards which are used in electronic or communication equipment and such, equipping fine wiring (e.g., minimum conductor widths and minimum conductor gaps of 60 µm or less). Test methods for the characteristics of solder paste in this document are considering the effect of surface activation force due to the fine sized solder particles which could affect the test result by existing test methods.

Keel: en
Alusdokumendid: IEC 61189-5-301:2021; EN IEC 61189-5-301:2021

EVS-EN IEC 61967-4:2021

Integrated circuits - Measurement of electromagnetic emissions - Part 4: Measurement of conducted emissions - 1 Ω/150 Ω direct coupling method

IEC 61967-4:2021 specifies a method to measure the conducted electromagnetic emission (EME) of integrated circuits by direct radio frequency (RF) current measurement with a 1 Ω resistive probe and RF voltage measurement using a 150 Ω coupling network. These methods ensure a high degree of reproducibility and correlation of EME measurement results. This edition includes the following significant technical changes with respect to the previous edition: - frequency range of 150 kHz to 1 GHz has been deleted from the title; - recommended frequency range for 1 Ω method has been reduced to 30 MHz; - Annex G with recommendations and guidelines for frequency range extension beyond 1 GHz has been added.

Keel: en
Alusdokumendid: EN IEC 61967-4:2021; IEC 61967-4:2021
Asendab dokumenti: EVS-EN 61967-4:2003
Asendab dokumenti: EVS-EN 61967-4:2003/A1:2006
Asendab dokumenti: EVS-EN 61967-4:2003/A1:2006/AC:2006
Asendab dokumenti: EVS-EN 61967-4:2003/AC:2017

33 SIDETEHNIKA

EVS-EN 302 186 V2.2.1:2021

Satelliitside maajaamad ja süsteemid (SES); Raadiosagedusalades 11/12/14 GHz töötavad liikuva satelliitside õhusõiduki maajaamad (AES); Raadiospektrile juurdepääsu harmoneeritud standard

Satellite Earth Stations and Systems (SES); Satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands; Harmonised Standard for access to radio spectrum

The present document specifies certain minimum technical performance requirements of Aircraft Earth Station (AES) equipment with both transmit and receive capabilities for provision of aeronautical mobile satellite service, in the frequency bands given in table 1. Table 1: Frequency bands for the AES equipment specified in the present document Mode of Operation; Frequency Band AES transmit; 14,00 GHz to 14,50 GHz AES transmit; 12,75 GHz to 13,25 GHz AES receive; 10,70 GHz to 12,75 GHz The AES has the following characteristics: • These AESs are equipment for installation on aircraft. • The AESs transmit in the 14,00 GHz to 14,50 GHz band receive within the range from 10,70 GHz to 12,75 GHz ("14 GHz"), referred to as "14 GHz AES" in the present document, are operating in one or more frequency ranges of the Fixed-Satellite Service and Mobile-Satellite Service. • The AESs transmit in the 12,75 GHz to 13,25 GHz band receive within the range from 10,70 GHz to12,75 GHz ("13 GHz"), referred to as "13 GHz AES" in the present document, are operating in one or more frequency ranges of the Fixed-Satellite Service. NOTE 1: When the term "AES" used in the present document without stating 13 GHz AES or 14 GHz AES, it is a reference to both 14 GHz AES and 13 GHz AES. • The AES could consist of a number of modules from the antenna subsystem to the user interfaces. • The AES uses linear polarization. • The AES system uses digital modulation. • The 14 GHz AES operates through a GSO satellite at least 3° away from any other geostationary satellite operating in the same frequency band and covering the same area. • The 13 GHz AES operates with a GSO satellite network whose frequency assignments are from the List of Appendix 30B of the Radio Regulations. • The antenna of the AES is directional, with means of tracking the satellites, which can be achieved by using either an active phase array or reflective type configuration. • These AESs are operating as part of a satellite network used for the distribution and/or exchange of information between users. • These AESs are controlled and monitored by a Network Control Facility (NCF). The NCF is outside the scope of the present document. • When on the ground, the 14 GHz AES does not transmit at elevation angles below 7° with respect to the local horizontal plane, except at locations where transmissions below 7° are permitted by the local Administration; (the minimum elevation angle is also limited as per clause 4.2). The technical requirements in the present document are in two major categories: • emission limits: to protect other radio services and systems from harmful interference generated by the AES in normal use; • AES Control and Monitoring Functions (CMFs): to protect other radio services and systems from unwanted transmissions from the AES. The CMF in each AES is capable of answering to commands from the Network Control Facility (NCF) for its supporting satellite network. The present document applies to the AESs with their ancillary equipment and its various ports, and when operated within the boundary limits of the operational environmental profile specified by the manufacturer. The technical requirements for the 14 GHz AES in regard to the Power Flux Density (PFD) limits to protect Fixed Service (FS) and Radio Astronomy Service (RAS) are based on annexes B and C of Recommendation ITU-R M.1643 and ECC Report 26. Furthermore, in relation to the protection of the Fixed Satellite Service (FSS) the technical requirements of the AES take into account annex A of Recommendation ITU-R M.1643. The technical requirements for the 13 GHz AES in regards to the PFD limits on earth for the protection of FS are based on the ECC Decision (19)04. The present document is intended to cover the provisions of Directive 2014/53/EU (RE Directive) article 3.2, which states that "… radio equipment shall be so constructed that it both effectively and supports the use of radio spectrum allocated in order to avoid harmful interference". 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. In addition to the present document, other ENs that specify technical requirements in respect of essential requirements of other parts of article 3 of the RE Directive may apply to equipment within the scope of the present document. NOTE 3: A list of such ENs is included on the web site at: https://ec.europa.eu/growth/single-market/europeanstandards/harmonised-standards/red_en. The present document does not cover equipment compliance with relevant civil aviation regulations. In this respect, an AES, for its installation and operation on board an aircraft is subject to additional national or international civil aviation airworthiness certification requirements, for example to EUROCAE ED-14.

Keel: en
Alusdokumendid: ETSI EN 302 186 V2.2.1

EVS-EN 50290-2-24:2021

Communication cables - Part 2-24: Common design rules and construction - Polyethylene sheathing compounds

This document gives specific requirements for halogen free polyolefin based sheathing compounds used for halogen free communication cables with improved characteristics in the case of fire. Compounds, described by this document, are commonly also named HFFR or HFFR-LS (halogen free, flame/fire retardant, low smoke), see also EN 50290-2-20. It is expected to be read in conjunction with EN 50290-2-20, the product standards EN 50288 series, EN 60794 series and other applicable product standards. Improved characteristics in the case of fire are demonstrated by specific fire tests on cables for flame/fire retardant applications (e.g. single or bunched cable fire test). Additional tests to prove the characteristics in case of fire, e.g. such as smoke emission test, might also be part of the dedicated product standard or specification. This document describes the compound types as given in Table 1.

Keel: en
Alusdokumendid: EN 50290-2-24:2021
Asendab dokumenti: EVS-EN 50290-2-24:2003
Asendab dokumenti: EVS-EN 50290-2-24:2003/A1:2009

EVS-EN 50290-2-27:2021

Communication cables - Part 2-27: Common design rules and construction - Halogen free polyolefin based sheathing compounds for cables having improved flame and fire properties (HFFR)

This document gives specific requirements for halogen free polyolefin based sheathing compounds used for halogen free communication cables with improved characteristics in the case of fire. Compounds, described by this document, are commonly also named HFFR or HFFR-LS (halogen free, flame/fire retardant, low smoke), see also EN 50290-2-20. It is expected to be read in conjunction with EN 50290-2-20, the product standards EN 50288 series, EN 60794 series and other applicable product standards. Improved characteristics in the case of fire are demonstrated by specific fire tests on cables for flame/fire retardant applications (e.g. single or bunched cable fire test). Additional tests to prove the characteristics in case of fire, e.g. such as smoke emission test, might also be part of the dedicated product standard or specification. This document describes the compound types as given in Table 1.

Keel: en
Alusdokumendid: EN 50290-2-27:2021
Asendab dokumenti: EVS-EN 50290-2-27:2003
Asendab dokumenti: EVS-EN 50290-2-27:2003/A1:2007
Asendab dokumenti: EVS-EN 50290-2-27:2003/A1:2007/AC:2010

EVS-EN IEC 61851-21-2:2021

Elektrisõidukite laadimissüsteem. Osa 21-1: Elektromagnetilise ühilduvuse nõuded elektrisõiduki pardavälisele laadimissüsteemile
Electric vehicle conductive charging system - Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply - EMC requirements for off board electric vehicle charging systems

IEC 61851-21-2:2018 defines the EMC requirements for any off-board components or equipment of such systems used to supply or charge electric vehicles with electric power by conductive power transfer (CPT), with a rated input voltage, according to IEC 60038:2009, up to 1 000 V AC or 1 500 V DC and an output voltage up to 1 000 V AC or 1 500 V DC. This document covers off-board charging equipment for mode 1, mode 2, mode 3 and mode 4 charging as defined in IEC 61851-1:2017. This first edition, together with IEC 61851-21-1, cancels and replaces IEC 61851-21:2001. It constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 61851-21:2001: a) this document addresses now only EMC related tests instead of other electrical tests; b) Clauses 2 and 3 have been updated; c) the port definition, the test-setups and their corresponding limits as well as the operation modes are defined more precisely; d) Annexes A to F have been added.

Keel: en
Alusdokumendid: IEC 61851-21-2:2018; EN IEC 61851-21-2:2021
Asendab osaliselt dokumenti: EVS-EN 61851-21:2002

EVS-EN IEC 61970-457:2021

Energy Management System Application Program Interface (EMS-API) – Part 457: Dynamics profile

IEC 61970-457:2021 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 steady-state 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 61970-457:2021; EN IEC 61970-457:2021

EVS-EN IEC 62148-15:2021

Fibre optic active components and devices - Package and interface standards - Part 15: Discrete vertical cavity surface emitting laser packages

IEC 62148-15:2021 covers the physical dimension and interface specifications for discrete vertical cavity surface emitting laser (VCSEL) devices in optical telecommunication and optical data transmission applications. The intent of this document is to adequately specify the physical requirements of VCSEL devices that will enable mechanical interchangeability of laser devices or transmitters complying with this document both at the printed circuit wiring board and for any panel-mounting requirement. This third edition cancels and replaces the second edition published in 2014. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: - the classification of optical/electrical interface types is generalized and referred to IEC 62148-1; - a new pin mode is added to Table 1; - several dimensions of the VCSEL TO CAN package are changed in Table 3 to reflect the current state of technology; - Figure 7 is updated to show the complete details of the VCSEL TOSA package.

Keel: en
Alusdokumendid: IEC 62148-15:2021; EN IEC 62148-15:2021
Asendab dokumenti: EVS-EN 62148-15:2014

EVS-EN IEC 62325-451-7:2021

Framework for energy market communications - Part 451-7: Balancing processes, contextual and assembly models for European style market

IEC 62325-451-7:2021 specifies a UML package for the electricity balancing business process and its associated document contextual models, assembly models and XML schemas for use within the European style electricity markets. This part of IEC 62325 is based on the European style market contextual model (IEC 62325-351). The business process covered by this part of IEC 62325 is described in Clause 5. The relevant aggregate core components (ACCs) defined in IEC 62325-351 have been contextualised into aggregated business information entities (ABIEs) to satisfy the requirements of the European style market publication business process. Note this document contains code components.

Keel: en
Alusdokumendid: IEC 62325-451-7:2021; EN IEC 62325-451-7:2021

EVS-EN IEC 62680-1-2:2021

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

IEC 62680-1-2:2021 defines a power delivery system covering all elements of a USB system including: Hosts, Devices, Hubs, Chargers and cable assemblies. This specification describes the architecture, protocols, power supply behavior, connectors and cabling necessary for managing power delivery over USB at up to 100W. This specification is intended to be fully compatible and extend the existing USB infrastructure. It is intended that this specification will allow system OEMs, power supply and peripheral developers adequate flexibility for product versatility and market differentiation without losing backwards compatibility. This fourth edition cancels and replaces the fourth edition published in 2019 and constitutes a technical revision. It is also identified as USB Power Delivery Specification, Revision 3.0, Version 2.0 This updated release of the USB PD specification was made to incorporate all the ECNs that were made to USB PD 3.0, V1.2. This makes a full completed printed specifications with all ECNs incorporated into a hard copy specification.

Keel: en
Alusdokumendid: IEC 62680-1-2:2021; EN IEC 62680-1-2:2021
Asendab dokumenti: EVS-EN IEC 62680-1-2:2020

35 INFOTEHNOLOOGIA

EVS-EN IEC 62680-1-2:2021

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

IEC 62680-1-2:2021 defines a power delivery system covering all elements of a USB system including: Hosts, Devices, Hubs, Chargers and cable assemblies. This specification describes the architecture, protocols, power supply behavior, connectors and cabling necessary for managing power delivery over USB at up to 100W. This specification is intended to be fully compatible and extend the existing USB infrastructure. It is intended that this specification will allow system OEMs, power supply and peripheral developers adequate flexibility for product versatility and market differentiation without losing backwards compatibility. This fourth edition cancels and replaces the fourth edition published in 2019 and constitutes a technical revision. It is also identified as USB Power Delivery Specification, Revision 3.0, Version 2.0 This updated release of the USB PD specification was made to incorporate all the ECNs that were made to USB PD 3.0, V1.2. This makes a full completed printed specifications with all ECNs incorporated into a hard copy specification.

Keel: en
Alusdokumendid: IEC 62680-1-2:2021; EN IEC 62680-1-2:2021
Asendab dokumenti: EVS-EN IEC 62680-1-2:2020

EVS-EN ISO 19148:2021

Geographic information - Linear referencing (ISO 19148:2021)

This document specifies a conceptual schema for locations relative to a one-dimensional object as measurement along (and optionally offset from) that object. It defines a description of the data and operations required to use and support linear

referencing. This document is applicable to transportation, utilities, environmental protection, location-based services and other applications which define locations relative to linear objects. For ease of reading, most examples discussed in this document come from the transportation domain.

Keel: en
Alusdokumendid: ISO 19148:2021; EN ISO 19148:2021
Asendab dokumenti: EVS-EN ISO 19148:2012

43 MAANTEESÕIDUKITE EHITUS

EVS-EN IEC 61851-21-2:2021

Elektrisõidukite laadimissüsteem. Osa 21-1: Elektromagnetilise ühilduvuse nõuded elektrisõiduki pardavälisele laadimissüsteemile
Electric vehicle conductive charging system - Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply - EMC requirements for off board electric vehicle charging systems

IEC 61851-21-2:2018 defines the EMC requirements for any off-board components or equipment of such systems used to supply or charge electric vehicles with electric power by conductive power transfer (CPT), with a rated input voltage, according to IEC 60038:2009, up to 1 000 V AC or 1 500 V DC and an output voltage up to 1 000 V AC or 1 500 V DC. This document covers off-board charging equipment for mode 1, mode 2, mode 3 and mode 4 charging as defined in IEC 61851-1:2017. This first edition, together with IEC 61851-21-1, cancels and replaces IEC 61851-21:2001. It constitutes a technical revision. This edition includes the following significant technical changes with respect to IEC 61851-21:2001: a) this document addresses now only EMC related tests instead of other electrical tests; b) Clauses 2 and 3 have been updated; c) the port definition, the test-setups and their corresponding limits as well as the operation modes are defined more precisely; d) Annexes A to F have been added.

Keel: en
Alusdokumendid: IEC 61851-21-2:2018; EN IEC 61851-21-2:2021
Asendab osaliselt dokumenti: EVS-EN 61851-21:2002

45 RAUDTEETEHNIKA

CEN/TR 14067-7:2021

Railway applications - Aerodynamics - Part 7: Fundamentals for test procedures for train-induced ballast projection

This document discusses: - economic aspects of ballast projection; - comparison of methods in France and Spain for rolling stock; - infrastructure assessment methods; - review of available literature; - next steps and recommendations regarding standardization and research.

Keel: en
Alusdokumendid: CEN/TR 14067-7:2021

EVS-EN 50702:2021

Railway applications - Rolling stock - Conductor rail current collectors (shoegear): Characteristics and tests

This document specifies the tests for the current collectors to enable current collection from the third or fourth rail system as well as associated fuses and short circuit devices. It also specifies the general assembly characteristics to be applied to current collectors. This document is applicable to all types of vehicles with third or fourth rail current collectors. This document does not apply to roof mounted pantographs.

Keel: en
Alusdokumendid: EN 50702:2021

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 4825:2021

Aerospace series - Steel X12CrNiMoV12-3 (1.4938) - Air melted and consumable electrode remelted - Hardened and tempered - Bars - De ≤ 150 mm - 900 MPa ≤ Rm ≤ 1 100 MPa

This document specifies the requirements relating to: Steel X12CrNiMoV12-3 (1.4938) Air melted and consumable electrode remelted, Hardened and tempered, Bars, De ≤ 150 mm 900 MPa ≤ Rm ≤ 1 100 MPa for aerospace applications.

Keel: en
Alusdokumendid: EN 4825:2021

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 13411-9:2021

Terminations for steel wire ropes - Safety - Part 9: Solid thimbles

This document specifies the minimum requirements for solid thimbles made of steel or cast iron for terminations of stranded steel wire ropes. This document is applicable to ferrule-secured terminations with solid thimbles in combination with ferrules (see EN 13411-3), that have an efficiency factor KT of at least 0,9, and to spliced terminations with solid thimbles (see EN 13411-2), that have an efficiency factor KT of at least 0,8, which are used as accessories for steel wire ropes, such as slings or wire rope assemblies, having a lifting, lowering or load-bearing effect in hoisting equipment. Examples of designs of solid thimbles which meet the requirements of this standard are given in informative Annexes B and C. Round thimbles (thimble with rotational symmetry around the bore) are not subject to this document. This document is applicable to ferrule-secured terminations that are manufactured after the date of publication of this document. Hazards that are dealt with in this document are listed in Clause 4.

Keel: en
Alusdokumendid: EN 13411-9:2021

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 1140:2021

Fibre ropes - Polyamide - 3-, 4-, 8- and 12-strand ropes (ISO 1140:2021)

This document specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes, 8-strand braided ropes and 12-strand braided ropes for general service made of polyamide, and gives rules for their designation. This document does not cover all variations in strength or product performance. The rope manufacturer is consulted to ensure the intended design meets the requirements of the application

Keel: en
Alusdokumendid: ISO 1140:2021; EN ISO 1140:2021
Asendab dokumenti: EVS-EN ISO 1140:2012

EVS-EN ISO 1141:2021

Fibre ropes - Polyester - 3-, 4-, 8- and 12-strand ropes (ISO 1141:2021)

This document specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes, 8-strand braided ropes and 12-strand braided ropes for general service made of polyester, and gives rules for their designation. This document does not cover all variations in strength or product performance. The rope manufacturer is consulted to ensure the intended design meets the requirements of the application.

Keel: en
Alusdokumendid: ISO 1141:2021; EN ISO 1141:2021
Asendab dokumenti: EVS-EN ISO 1141:2012

EVS-EN ISO 1346:2021

Fibre ropes - Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes (ISO 1346:2021)

This document specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes, 8-strand braided ropes and 12-strand braided ropes for general service made of polypropylene, and gives rules for their designation. This document does not cover all variations in strength or product performance. The rope manufacturer is consulted to ensure the intended design meets the requirements of the application.

Keel: en
Alusdokumendid: ISO 1346:2021; EN ISO 1346:2021
Asendab dokumenti: EVS-EN ISO 1346:2012

65 PÕLLUMAJANDUS

EVS-EN ISO 28139:2021

Taimekaitseseadmed. Seljas kantavad sisepõlemismootoriga suruõhkpritsid. Ohutus- ja keskkonnanõuded ning katsemeetodid
Equipment for crop protection - Knapsack combustion engine-driven airblast sprayers - Safety and environmental requirements and test methods (ISO 28139:2019)

This document specifies safety requirements and their verification, environmental requirements and related test methods, and minimum performance limits, for the design and construction of knapsack combustion engine-driven airblast sprayers as defined in 3.9. It describes methods for the elimination or reduction of hazards arising from their use. In addition, it specifies the type of information on safe working practices to be provided by the manufacturer. It addresses general operating parameters as well as the potential deposition of spray droplets under specified controlled conditions. This document deals with all significant hazards, hazardous situations and events, excepting those arising from vibration transmitted to the back of the operator. It is applicable to knapsack combustion engine-driven airblast sprayers when they are used as intended and under the conditions foreseeable by the manufacturer (see Table A.1). It is not applicable to: — hydraulic pressure sprayers; — thermal sprayers; — cold foggers; — sprayers adapted for the application of dry material. It is not applicable to knapsack combustion engine-driven airblast sprayers

manufactured before the date of its publication. The requirements of this document applies to products manufactured 18 months after publication.

Keel: en
Alusdokumendid: ISO 28139:2019; EN ISO 28139:2021
Asendab dokumenti: EVS-EN ISO 28139:2010

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 17203:2021

Foodstuffs - Determination of citrinin in food by HPLC-MS/MS

This document describes a procedure for the determination of the citrinin content in food (cereals, red yeast rice (RYR)), herbs and food supplements by liquid chromatography tandem mass spectrometry (LC-MS/MS). This method has been validated for citrinin in red yeast rice and in the formulated food supplements in the range of 2,5 µg/kg to 3 000 µg/kg and in wheat flour in the range of 2,5 µg/kg to 100 µg/kg. Laboratory experiences have shown that this method is also applicable to white rice, herbs such as a powder of ginkgo biloba leaves and the formulated food supplements in the range of 2,5 µg/kg to 50 µg/kg.

Keel: en
Alusdokumendid: EN 17203:2021
Asendab dokumenti: EVS-EN 17203:2018

71 KEEMILINE TEHNOLOOGIA

EVS-EN 16274:2021

Method for Analysis of Allergens - Quantification of an extended list of 57 suspected allergens in ready to inject fragrance materials by gas chromatography mass spectrometry

The present method permits the identification and quantification of the volatile compounds suspected as allergens, which are present in the fragrance compounds and fragrance raw materials used in cosmetic products. The analysis is performed by gas chromatography and mass spectrometry (GC-MS) on matrix samples which are "ready to be injected" and which are compatible with gas chromatography. The analytes covered by this procedure are based on the contents of Tables 13.1 and 13.2 in the SCCS 1459/11 opinion document (1) and as listed in the legislation proposed by the European Commission. The rationale behind the final choice of procedure analytes is given in the table found in Annex J. The method was validated at IFRA and CEN level.

Keel: en
Alusdokumendid: EN 16274:2021
Asendab dokumenti: EVS-EN 16274:2012

EVS-EN IEC 61010-2-091:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems

IEC 61010-2-091:2019 specifies particular safety requirements for cabinet X-ray systems, which fall under any of categories a), b) or c) below. 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. NOTE 1 This includes bench-top power supplies intended to aid a testing or measuring operation on another piece of equipment. Power supplies intended to power equipment are within the scope of IEC 61558 (see 1.1.2 h)). This standard also applies to test equipment integrated into manufacturing processes and intended for testing manufactured devices. NOTE 2 Manufacturing test equipment is likely to be installed adjacent to and interconnected with industrial machinery in this application. 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 equipment may also be used in areas other than laboratories; examples include selftest IVD equipment to be used in the home and inspection equipment to be used to check people or material during transportation. This second edition cancels and replaces the first edition published in 2012. It constitutes a technical revision. This edition includes the following significant changes from the first edition, as well as numerous other changes: - The scope of the document has been clarified and limited to equipment up to 500 kV. - Additional marking requirements for X-ray generating assemblies have been added. (5.1) - Requirements for high-voltage cables used in the X-ray assembly have been added. (6.5) - Insulation requirements have been added. (6.7) - Temperature requirements for beam-limiting devices have been added. (10.3) - Clarification has been provided on and , and test methods. (12) - Requirements for have been modified, taking into account functional safety standards. (15) - Requirements for reasonably foreseeable misuse have been clarified. (16) - Risk assessment has been made mandatory for specific aspects. (17).

Keel: en
Alusdokumendid: IEC 61010-2-091:2019; EN IEC 61010-2-091:2021
Asendab dokumenti: EVS-EN 61010-2-091:2012
Asendab dokumenti: EVS-EN 61010-2-091:2012/AC:2013

EVS-EN IEC 61010-2-091:2021/A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele

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

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

Keel: en
Alusdokumendid: EN IEC 61010-2-091:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 61010-2-091:2021

79 PUIDUTEHNOLOOGIA

EVS-EN ISO 19085-12:2021

Puidutöötlemismasinad. Ohutus. Osa 12: Tappimis-/profileerimismasinad

Woodworking machines - Safety - Part 12: Tenoning/profiling machines (ISO 19085-12:2021)

This part of ISO 19085 gives the safety requirements and measures for stationary, manually loaded and unloaded: - single end tenoning machines with manual feed sliding table, - single end tenoning machines with mechanical feed sliding table, - single end tenoning and/or profiling machines with mechanical feed, - double end tenoning and/or profiling machines with mechanical feed, also designed to be automatically loaded/unloaded, - angular systems for tenoning and profiling with mechanical feed, with maximum work-piece height capacity of 200 mm for single end machines and 500 mm for double end machines, hereinafter referred to as “machines”. It deals with all significant hazards, hazardous situations and events 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.

Keel: en
Alusdokumendid: ISO 19085-12:2021; EN ISO 19085-12:2021
Asendab dokumenti: EVS-EN 1218-1:2000+A1:2009
Asendab dokumenti: EVS-EN 1218-2:2004+A1:2009
Asendab dokumenti: EVS-EN 1218-5:2004+A1:2010

83 KUMMI- JA PLASTITÖÖSTUS

CEN/TS 17627:2021

Plastics - Recycled plastics - Determination of solid contaminants content

This document specifies a method for determination by melt filtration of solid contaminants content in a sample of recycled thermoplastic material, evaluating their number and, optionally, their size and substance (material).

Keel: en
Alusdokumendid: CEN/TS 17627:2021

85 PABERITEHNOLOOGIA

EVS-EN ISO 12625-17:2021

Tissue paper and tissue products - Part 17: Determination of disintegration in water (ISO 12625-17:2021)

The aim of the present standard is to determine the time necessary to disintegrate a test piece of toilet paper, in specified conditions. This test method is applicable to every type of toilet paper, with exception to papers used in toilets with a specific way of paper removal [for example watertight chemical toilets in some means of transport: see NF F 31-829 (French standard)]. Removal problems encountered in this latter case may then justify a greater degree of resistance of the product and thus a very long disintegration time, or even no disintegration at all.

Keel: en

Alusdokumendid: ISO 12625-17:2021; EN ISO 12625-17:2021

91 EHITUSMATERJALID JA EHITUS

EVS-EN 115-2:2021

Safety of escalators and moving walks - Part 2: Rules for the improvement of safety of existing escalators and moving walks

This document gives rules for improving the safety of existing escalators and moving walks with the aim of reaching an equivalent level of safety to that of a newly installed escalator and moving walk by the application of today's state of the art for safety. NOTE Due to situations such as the existing machine or building designs, it might not be possible in all cases to reach today's state of the art for safety. Nevertheless, the objective is to improve the level of safety wherever possible. This document includes the improvement of safety of existing escalators and moving walks for: a) users; b) maintenance and inspection personnel; c) persons outside the escalator or moving walk (but in its immediate vicinity); d) authorized persons. This document is not applicable to: 1) safety during transport, installation, repairs and dismantling of escalators and moving walks; 2) spiral escalators; 3) accelerating moving walks. However, this document can usefully be taken as a reference basis.

Keel: en
Alusdokumendid: EN 115-2:2021
Asendab dokumenti: EVS-EN 115-2:2010

EVS-EN ISO 10140-2:2021

Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation (ISO 10140-2:2021)

This document specifies a laboratory method for measuring the airborne sound insulation of building products, such as walls, floors, doors, windows, shutters, façade elements, façades, glazing, small technical elements, for instance transfer air devices, airing panels (ventilation panels), outdoor air intakes, electrical raceways, transit sealing systems and combinations, for example walls or floors with linings, suspended ceilings or floating floors. The test results can be used to compare the sound insulation properties of building elements, classify elements according to their sound insulation capabilities, help design building products which require certain acoustic properties and estimate the in situ performance in complete buildings. The measurements are performed in laboratory test facilities in which sound transmission via flanking paths is suppressed. The results of measurements made in accordance with this document are not applicable directly to the field situation without accounting for other factors affecting sound insulation, such as flanking transmission, boundary conditions and total loss factor.

Keel: en
Alusdokumendid: ISO 10140-2:2021; EN ISO 10140-2:2021
Asendab dokumenti: EVS-EN ISO 10140-2:2010

EVS-EN ISO 10140-3:2021

Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation (ISO 10140-3:2021)

This document specifies laboratory methods for measuring the impact sound insulation of floor assemblies. The test results can be used to compare the sound insulation properties of building elements, classify elements according to their sound insulation capabilities, help design building products which require certain acoustic properties and estimate the in situ performance in complete buildings. The measurements are performed in laboratory test facilities in which sound transmission via flanking paths is suppressed. The results of measurements made in accordance with this document are not applicable directly to the field situation without accounting for other factors affecting sound insulation, such as flanking transmission, boundary conditions, and loss factor. A test method is specified that uses the standard tapping machine (see ISO 10140-5:2021, Annex E) to simulate impact sources like human footsteps when a person is wearing shoes. Alternative test methods, using a modified tapping machine or a heavy/soft impact source (see ISO 10140-5:2021, Annex F) to simulate impact sources with strong low frequency components, such as human footsteps (bare feet) or children jumping, are also specified. This document is applicable to all types of floors (whether heavyweight or lightweight) with all types of floor coverings. The test methods apply only to laboratory measurements.

Keel: en
Alusdokumendid: ISO 10140-3:2021; EN ISO 10140-3:2021
Asendab dokumenti: EVS-EN ISO 10140-3:2010
Asendab dokumenti: EVS-EN ISO 10140-3:2010/A1:2015

EVS-EN ISO 10140-4:2021

Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements (ISO 10140-4:2021)

This document specifies the basic measurement procedures for airborne and impact sound insulation of building elements in laboratory test facilities.

Keel: en
Alusdokumendid: ISO 10140-4:2021; EN ISO 10140-4:2021
Asendab dokumenti: EVS-EN ISO 10140-4:2010

EVS-EN ISO 10140-5:2021

Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment (ISO 10140-5:2021)

This document specifies laboratory test facilities and equipment for sound insulation measurements of building elements, such as: - components and materials; - building elements; - technical elements (small building elements); - sound insulation improvement systems. It is applicable to laboratory test facilities with suppressed radiation from flanking elements and structural isolation between source and receiving rooms. This document specifies qualification procedures for use when commissioning a new test facility with equipment for sound insulation measurements. It is intended that these procedures be repeated periodically to ensure that there are no issues with the equipment and the test facility.

Keel: en
Alusdokumendid: ISO 10140-5:2021; EN ISO 10140-5:2021
Asendab dokumenti: EVS-EN ISO 10140-5:2010
Asendab dokumenti: EVS-EN ISO 10140-5:2010/A1:2014

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 15371-1:2021

Safety of toys - Interpretations - Part 1: Replies to requests for interpretation of EN 71-1, EN 71-2, EN 71-8 and EN 71-14

The purpose of this document is to provide replies to requests for interpretations of EN 71-1:2014+A1:2018, Safety of toys - Part 1: Mechanical and physical properties, EN 71-2:2020, Safety of toys - Part 2: Flammability, EN 71-8:2018, Safety of toys - Part 8: Activity toys for domestic use and EN 71-14:2018 and Safety of toys - Part 14: Trampolines for domestic use.

Keel: en
Alusdokumendid: CEN/TR 15371-1:2021
Asendab dokumenti: CEN/TR 15371-1:2017

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

CEN ISO/TS 80004-6:2015

Nanotehnoloogiad. Sõnastik. Osa 6: Nanoobjektide karakteriseerimine
Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2013)

Keel: en, et
Alusdokumendid: ISO/TS 80004-6:2013; CEN ISO/TS 80004-6:2015
Asendatud järgmise dokumendiga: CEN ISO/TS 80004-6:2021
Standardi staatus: Kehtetu

EVS-EN 1041:2008+A1:2013

Tootja antav info meditsiiniseadmete kohta
Information supplied by the manufacturer of medical devices

Keel: en
Alusdokumendid: EN 1041:2008+A1:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 20417:2021
Standardi staatus: Kehtetu

EVS-EN ISO 12671:2014

Thermal spraying - Thermally sprayed coatings - Symbolic representation on drawings (ISO 12671:2012)

Keel: en
Alusdokumendid: ISO 12671:2012; EN ISO 12671:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 12671:2021
Standardi staatus: Kehtetu

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 80004-6:2015

Nanotehnoloogiad. Sõnastik. Osa 6: Nanoobjektide karakteriseerimine
Nanotechnologies - Vocabulary - Part 6: Nano-object characterization (ISO/TS 80004-6:2013)

Keel: en, et
Alusdokumendid: ISO/TS 80004-6:2013; CEN ISO/TS 80004-6:2015
Asendatud järgmise dokumendiga: CEN ISO/TS 80004-6:2021
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 1041:2008+A1:2013

Tootja antav info meditsiiniseadmete kohta
Information supplied by the manufacturer of medical devices

Keel: en
Alusdokumendid: EN 1041:2008+A1:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 20417:2021
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 14522:2005

Gaaside ja aurude isesüttimistemperatuuri määramine
Determination of the auto ignition temperature of gases and vapours

Keel: en
Alusdokumendid: EN 14522:2005
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 60051-2:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 2: Erinõuded ampermeetritele ja voltmeetritele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 2: Special requirements for ammeters and voltmeters

Keel: en
Alusdokumendid: IEC 51-2:1984; EN 60051-2:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-2:2021
Standardi staatus: Kehtetu

EVS-EN 60051-3:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 3: Erinõuded vattmeetritele ja varrmeetritele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 3: Special requirements for wattmeters and varmeters

Keel: en
Alusdokumendid: IEC 51-3:1984 + A1:1994; EN 60051-3:1989; EN 60051-3:1989/A1:1995
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-3:2021
Standardi staatus: Kehtetu

EVS-EN 60051-4:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 4: Erinõuded sagedusmõõturitele
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 4: Special requirements for frequency meters

Keel: en
Alusdokumendid: IEC 51-4:1984; EN 60051-4:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-4:2021
Standardi staatus: Kehtetu

EVS-EN 60051-9:2001

Otsetoimelised elektrilised analoog-näitmõõteriistad ja nende lisaseadmed. Osa 9: Soovitatavad katsetusmeetodid
Direct acting indicating analogue electrical measuring instruments and their accessories - Part 9: Recommended test methods

Keel: en
Alusdokumendid: IEC 51-9 + A1,2:1988; EN 60051-9:1989; EN 60051-9:1989/A2:1995; EN 60051-9:1989/A1:1995
Asendatud järgmise dokumendiga: EVS-EN IEC 60051-9:2021
Standardi staatus: Kehtetu

EVS-EN 60216-3:2006

Electrical insulating materials - Thermal endurance properties Part 3: Instructions for calculating thermal endurance characteristics

Keel: en
Alusdokumendid: IEC 60216-3:2006; EN 60216-3:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60216-3:2021
Standardi staatus: Kehtetu

EVS-EN 62052-11:2003

Elektrimõõteseadmed vahelduvvoolule. Üldnõuded, katsetused ja katsetingimused. Osa 11: Arvestid
Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment

Keel: en, et
Alusdokumendid: IEC 62052-11:2003; EN 62052-11:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 62052-11:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 62052-11:2003+A1:2017
Muudetud järgmise dokumendiga: EVS-EN 62052-11:2003/A1:2017
Standardi staatus: Kehtetu

EVS-EN 62052-11:2003/A1:2017

Elektrimõõteseadmed vahelduvvoolule. Üldnõuded, katsetused ja katsetingimused. Osa 11: Arvestid
Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment

Keel: en, et
Alusdokumendid: IEC 62052-11:2003/A1:2016; EN 62052-11:2003/A1:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62052-11:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 62052-11:2003+A1:2017
Parandatud järgmise dokumendiga: EVS-EN 62052-11:2003/A1:2017/AC:2018
Standardi staatus: Kehtetu

EVS-EN 62052-11:2003/A1:2017/AC:2018

Elektrimõõteseadmed vahelduvvoolule. Üldnõuded, katsetused ja katsetingimused. Osa 11: Arvestid
Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment

Keel: en
Alusdokumendid: IEC 62052-11:2003/A1:2016/COR1:2018; EN 62052-11:2003/A1:2017/AC:2018-04
Asendatud järgmise dokumendiga: EVS-EN IEC 62052-11:2021
Standardi staatus: Kehtetu

EVS-EN 62052-11:2003+A1:2017

Elektrimõõteseadmed vahelduvvoolule. Üldnõuded, katsetused ja katsetingimused. Osa 11: Arvestid
Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment

Keel: en, et
Alusdokumendid: IEC 62052-11:2003; EN 62052-11:2003/A1:2017; EN 62052-11:2003; IEC 62052-11:2003/A1:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 62052-11:2021
Standardi staatus: Kehtetu

EVS-EN ISO 4518:1999

Metallkatted. Katte paksuse mõõtmine. Profilomeetriameetod
Metallic coatings - Measurement of coating thickness - Profilometric method

Keel: en
Alusdokumendid: ISO 4518:1980; EN ISO 4518:1995
Asendatud järgmise dokumendiga: EVS-EN ISO 4518:2021
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 60068-2-20:2008

Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads

Keel: en
Alusdokumendid: IEC 60068-2-20:2008; EN 60068-2-20:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60068-2-20:2021
Standardi staatus: Kehtetu

EVS-EN 60068-2-38:2009

Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test

Keel: en
Alusdokumendid: IEC 60068-2-38:2009; EN 60068-2-38:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60068-2-38:2021
Standardi staatus: Kehtetu

EVS-EN 60216-3:2006

Electrical insulating materials - Thermal endurance properties Part 3: Instructions for calculating thermal endurance characteristics

Keel: en
Alusdokumendid: IEC 60216-3:2006; EN 60216-3:2006

Asendatud järgmise dokumendiga: EVS-EN IEC 60216-3:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-091:2012

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet x-ray systems

Keel: en
Alusdokumendid: IEC 61010-2-091:2012; EN 61010-2-091:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-091:2021
Parandatud järgmise dokumendiga: EVS-EN 61010-2-091:2012/AC:2013
Standardi staatus: Kehtetu

EVS-EN 61010-2-091:2012/AC:2013

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet x-ray systems

Keel: en
Alusdokumendid: IEC 61010-2-091:2012; EN 61010-2-091:2012/AC:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-091:2021
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

CEN ISO/TR 20172:2009

Welding - Grouping systems for materials - European materials

Keel: en
Alusdokumendid: ISO/TR 20172:2009; CEN ISO/TR 20172:2009
Asendatud järgmise dokumendiga: CEN ISO/TR 20172:2021
Standardi staatus: Kehtetu

EVS-EN ISO 12671:2014

Thermal spraying - Thermally sprayed coatings - Symbolic representation on drawings (ISO 12671:2012)

Keel: en
Alusdokumendid: ISO 12671:2012; EN ISO 12671:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 12671:2021
Standardi staatus: Kehtetu

EVS-EN ISO 3834-2:2006

Keevituse kvaliteedinõuded. Metallide sulakeevitus. Osa 2: Laialdased kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements

Keel: en, et
Alusdokumendid: ISO 3834-2:2005; EN ISO 3834-2:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 3834-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 3834-3:2006

Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 3: Standardsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements

Keel: en, et
Alusdokumendid: ISO 3834-3:2005; EN ISO 3834-3:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 3834-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 3834-4:2006

Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 4: Elementaarsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements

Keel: en, et
Alusdokumendid: ISO 3834-4:2005; EN ISO 3834-4:2005
Asendatud järgmise dokumendiga: EVS-EN ISO 3834-4:2021
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50107-3:2018

Product standard covering luminous signs with discharge lamps and/or LED (light emitting diodes) and/or EL (electroluminescent) lightsources with a nominal voltage not exceeding 1000 V, with the exclusion of general lighting, traffic- or emergency related purpose

Keel: en
Alusdokumendid: EN 50107-3:2018
Parandatud järgmise dokumendiga: EVS-EN 50107-3:2018/AC:2018
Standardi staatus: Kehtetu

EVS-EN 50290-2-24:2003

Kommunikatsioonikaablid. Osa 2-24: Projekteerimise üldjuhised ja konstruktsioon. Polüeteenmantel
Communication cables - Part 2-24: Common design rules and construction PE sheathing

Keel: en
Alusdokumendid: EN 50290-2-24:2002
Asendatud järgmise dokumendiga: EVS-EN 50290-2-24:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-24:2003/A1:2009
Standardi staatus: Kehtetu

EVS-EN 50290-2-24:2003/A1:2009

Kommunikatsioonikaablid. Osa 2-24: Projekteerimise üldjuhised ja konstruktsioon. Polüeteenmantel
Communication cables - Part 2-24: Common design rules and construction - PE sheathing

Keel: en
Alusdokumendid: EN 50290-2-24:2002/A1:2008
Asendatud järgmise dokumendiga: EVS-EN 50290-2-24:2021
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002
Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003/A1:2007

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002/A1:2007
Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Parandatud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007/AC:2010
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003/A1:2007/AC:2010

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002/A1:2007/AC:2010

Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007
Standardi staatus: Kehtetu

EVS-EN 60216-3:2006

Electrical insulating materials - Thermal endurance properties Part 3: Instructions for calculating thermal endurance characteristics

Keel: en
Alusdokumendid: IEC 60216-3:2006; EN 60216-3:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60216-3:2021
Standardi staatus: Kehtetu

EVS-EN 60598-2-1:2001

Valgustid. Osa 2: Erinõuded. Jagu 1. Kohtkindlad üldotstarbelised valgustid
Luminaires - Part 2: Particular requirements - Section One - Fixed general purpose luminaires

Keel: en
Alusdokumendid: IEC 598-2-1:1979 + A1:1987; EN 60598-2-1:1989
Asendatud järgmise dokumendiga: EVS-EN IEC 60598-2-1:2021
Standardi staatus: Kehtetu

EVS-EN IEC 62680-1-2:2020

Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

Keel: en
Alusdokumendid: IEC 62680-1-2:2019; EN IEC 62680-1-2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-2:2021
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61967-4:2003

Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions, 1 ohm/150 ohm direct coupling method

Keel: en
Alusdokumendid: IEC 61967-4:2002; EN 61967-4:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 61967-4:2021
Muudetud järgmise dokumendiga: EVS-EN 61967-4:2003/A1:2006
Parandatud järgmise dokumendiga: EVS-EN 61967-4:2003/AC:2017
Standardi staatus: Kehtetu

EVS-EN 61967-4:2003/A1:2006

Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz Part 4: Measurement of conducted emissions - 1 ohm/150 ohm direct coupling method

Keel: en
Alusdokumendid: IEC 61967-4:2002/A1:2006; EN 61967-4:2002/A1:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 61967-4:2021
Parandatud järgmise dokumendiga: EVS-EN 61967-4:2003/A1:2006/AC:2006
Standardi staatus: Kehtetu

EVS-EN 61967-4:2003/A1:2006/AC:2006

Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions - 1 ohm/150 ohm direct coupling method

Keel: en
Alusdokumendid: EN 61967-4:2002/A1:2006/Corr:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 61967-4:2021
Muudetud järgmise dokumendiga: EVS-EN 61967-4:2003/A1:2006
Standardi staatus: Kehtetu

EVS-EN 61967-4:2003/AC:2017

Integrated circuits - Measurement of electromagnetic emissions, 150 kHz to 1 GHz - Part 4: Measurement of conducted emissions - 1 ohm/150 ohm direct coupling method

Keel: en
Alusdokumendid: IEC 61967-4:2002/COR1:2017; EN 61967-4:2002/AC:2017-07
Asendatud järgmise dokumendiga: EVS-EN IEC 61967-4:2021
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 50290-2-24:2003

Kommunikatsioonikaablid. Osa 2-24: Projekteerimise üldjuhised ja konstruktsioon. Polüeteenmantel
Communication cables - Part 2-24: Common design rules and construction - PE sheathing

Keel: en
Alusdokumendid: EN 50290-2-24:2002
Asendatud järgmise dokumendiga: EVS-EN 50290-2-24:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-24:2003/A1:2009
Standardi staatus: Kehtetu

EVS-EN 50290-2-24:2003/A1:2009

Kommunikatsioonikaablid. Osa 2-24: Projekteerimise üldjuhised ja konstruktsioon. Polüeteenmantel
Communication cables - Part 2-24: Common design rules and construction - PE sheathing

Keel: en
Alusdokumendid: EN 50290-2-24:2002/A1:2008
Asendatud järgmise dokumendiga: EVS-EN 50290-2-24:2021
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002
Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003/A1:2007

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002/A1:2007
Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Parandatud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007/AC:2010
Standardi staatus: Kehtetu

EVS-EN 50290-2-27:2003/A1:2007/AC:2010

Kommunikatsioonikaablid. Osa 2-27: Projekteerimise üldjuhised ja konstruktsioon. Halogeenivabad rasksüttivad termoplastilised mantlimaterjalid
Communication cables - Part 2-27: Common design rules and construction - Halogen free flame retardant thermoplastic sheathing compounds

Keel: en
Alusdokumendid: EN 50290-2-27:2002/A1:2007/AC:2010
Asendatud järgmise dokumendiga: EVS-EN 50290-2-27:2021
Muudetud järgmise dokumendiga: EVS-EN 50290-2-27:2003/A1:2007
Standardi staatus: Kehtetu

EVS-EN 62148-15:2014

Fibre optic active components and devices - Package and interface standards - Part 15: Discrete vertical cavity surface emitting laser packages

Keel: en
Alusdokumendid: IEC 62148-15:2014; EN 62148-15:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62148-15:2021
Standardi staatus: Kehtetu

EVS-EN IEC 62680-1-2:2020
Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

Keel: en
Alusdokumendid: IEC 62680-1-2:2019; EN IEC 62680-1-2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-2:2021
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN IEC 62680-1-2:2020
Universal serial bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery specification

Keel: en
Alusdokumendid: IEC 62680-1-2:2019; EN IEC 62680-1-2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62680-1-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 19148:2012
Geographic information - Linear referencing (ISO 19148:2012)

Keel: en
Alusdokumendid: ISO 19148:2012; EN ISO 19148:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 19148:2021
Standardi staatus: Kehtetu

37 VISUAALTEHNIKA

EVS-EN 60604:2011
'Topflash/Flipflash' photographic flash lamp array

Keel: en
Alusdokumendid: IEC 60604:1980; EN 60604:1993
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 61851-21:2002
Elektrisõidukite juhtivuslik laadimissüsteem. Osa 21: Elektrisõidukite nõuded juhtivuslikule ühendusele vahelduv- või alalisvoolutoitega
Electric vehicle conductive charging system - Part 21: Electric vehicle requirements for conductive connection to an a.c/d.c. supply

Keel: en
Alusdokumendid: IEC 61851-21:2001; EN 61851-21:2002
Osaliselt asendatud järgmise dokumendiga: EVS-EN 61851-21-1:2017
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61851-21-2:2021
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 1140:2012
Fibre ropes - Polyamide - 3-, 4-, 8- and 12-strand ropes (ISO 1140:2012)

Keel: en
Alusdokumendid: ISO 1140:2012; EN ISO 1140:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 1140:2021
Standardi staatus: Kehtetu

EVS-EN ISO 1141:2012
Fibre ropes - Polyester - 3-, 4-, 8- and 12-strand ropes (ISO 1141:2012)

Keel: en
Alusdokumendid: ISO 1141:2012; EN ISO 1141:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 1141:2021
Standardi staatus: Kehtetu

EVS-EN ISO 1346:2012

Fibre ropes - Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) - 3-, 4-, 8- and 12-strand ropes (ISO 1346:2012)

Keel: en
Alusdokumendid: ISO 1346:2012; EN ISO 1346:2012
Asendatud järgmise dokumendiga: EVS-EN ISO 1346:2021
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

EVS-EN ISO 28139:2010

Põllumajandus- ja metsamasinad. Seljaskantavad sisepõlemismootoriga udupihustid. Ohutusnõuded
Agricultural and forestry machinery - Knapsack combustion-engine-driven mistblowers - Safety requirements

Keel: en
Alusdokumendid: ISO 28139:2009; EN ISO 28139:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 28139:2021
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 17203:2018

Foodstuffs - Determination of citrinin in food by liquid chromatography tandem mass spectrometry (LC-MS/MS)

Keel: en
Alusdokumendid: EN 17203:2018
Asendatud järgmise dokumendiga: EVS-EN 17203:2021
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 16274:2012

Methods for analysis of allergens - Quantification of suspected fragrance allergens in consumer products - Step 1: GC analysis of ready-to-inject sample

Keel: en
Alusdokumendid: EN 16274:2012
Asendatud järgmise dokumendiga: EVS-EN 16274:2021
Standardi staatus: Kehtetu

EVS-EN 61010-2-091:2012

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet x-ray systems

Keel: en
Alusdokumendid: IEC 61010-2-091:2012; EN 61010-2-091:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-091:2021
Parandatud järgmise dokumendiga: EVS-EN 61010-2-091:2012/AC:2013
Standardi staatus: Kehtetu

EVS-EN 61010-2-091:2012/AC:2013

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 2-091: Erinõuded kapptüüpi röntgenseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet x-ray systems

Keel: en
Alusdokumendid: IEC 61010-2-091:2012; EN 61010-2-091:2012/AC:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-2-091:2021

79 PUIDUTEHNOLOOGIA

EVS-EN 1218-1:2000+A1:2009
Puidutöötlemismasinate ohutus. Tappimismasinad. Osa 1: Ühesisendilised liuglauaga tappimismasinad KONSOLIDEERITUD TEKST
Safety of woodworking machines - Tenoning machines - Part 1: Single end tenoning machines with sliding table CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1218-1:1999+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-12:2021
Standardi staatus: Kehtetu

EVS-EN 1218-2:2004+A1:2009
Puidutöötlemismasinate ohutus. Tappimismasinad. Osa 2: Topelt tappimise/profileerimismasina keti või kettidega fiider KONSOLIDEERITUD TEKST
Safety of woodworking machines - Tenoning machines - Part 2: Double end tenoning and/or profiling machines fed by chain or chains CONSOLIDATED TEXT

Keel: en
Alusdokumendid: EN 1218-2:2004+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-12:2021
Standardi staatus: Kehtetu

EVS-EN 1218-5:2004+A1:2010
Puidutöötlemismasinate ohutus.Tappimismasinad. Osa 5: Fikseeritud alusega rullik- või kettfiidriga ühe serva töötlemisseadmed KONSOLIDEERITUD TEKST
Safety of woodworking machines - Tenoning machines - Part 5: One side profiling machines with fixed table and feed rollers or feed chain CONSOLIDATE TEXT

Keel: en
Alusdokumendid: EN 1218-5:2004+A1:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 19085-12:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 115-2:2010
Eskalaatorite ja liikurteede ohutus. Osa 2: Nõuded olemasolevate eskalaatorite ja liikurteede ohutuse parandamiseks
Safety of escalators and moving walks - Part 2: Rules for the improvement of safety of existing escalators and moving walks

Keel: en
Alusdokumendid: EN 115-2:2010
Asendatud järgmise dokumendiga: EVS-EN 115-2:2021
Standardi staatus: Kehtetu

EVS-EN 60604:2011
'Topflash/Flipflash' photographic flash lamp array

Keel: en
Alusdokumendid: IEC 60604:1980; EN 60604:1993
Standardi staatus: Kehtetu

EVS-EN ISO 10140-2:2010
Acoustics - Laboratory measurement of sound insulation of building elements - Part 2: Measurement of airborne sound insulation

Keel: en
Alusdokumendid: ISO 10140-2:2010; EN ISO 10140-2:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10140-3:2010
Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation

Keel: en
Alusdokumendid: ISO 10140-3:2010; EN ISO 10140-3:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-3:2021
Muudetud järgmise dokumendiga: EVS-EN ISO 10140-3:2010/A1:2015
Standardi staatus: Kehtetu

EVS-EN ISO 10140-3:2010/A1:2015

Acoustics - Laboratory measurement of sound insulation of building elements - Part 3: Measurement of impact sound insulation - Amendment 1 (ISO 10140-3:2010/Amd 1:2015)

Keel: en
Alusdokumendid: ISO 10140-3:2010/Amd 1:2015; EN ISO 10140-3:2010/A1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-3:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10140-4:2010

Acoustics - Laboratory measurement of sound insulation of building elements - Part 4: Measurement procedures and requirements

Keel: en
Alusdokumendid: ISO 10140-4:2010; EN ISO 10140-4:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-4:2021
Standardi staatus: Kehtetu

EVS-EN ISO 10140-5:2010

Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment

Keel: en
Alusdokumendid: ISO 10140-5:2010; EN ISO 10140-5:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-5:2021
Muudetud järgmise dokumendiga: EVS-EN ISO 10140-5:2010/A1:2014
Standardi staatus: Kehtetu

EVS-EN ISO 10140-5:2010/A1:2014

Acoustics - Laboratory measurement of sound insulation of building elements - Part 5: Requirements for test facilities and equipment - Amendment 1: Rainfall sound (ISO 10140-5:2010/Amd 1:2014)

Keel: en
Alusdokumendid: ISO 10140-5:2010/Amd 1:2014; EN ISO 10140-5:2010/A1:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 10140-5:2021
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 15371-1:2017

Safety of toys - Interpretations - Part 1: Replies to requests for interpretation of EN 71-1, EN 71-2, EN 71-8 and EN 71-14

Keel: en
Alusdokumendid: CEN/TR 15371-1:2017
Asendatud järgmise dokumendiga: CEN/TR 15371-1:2021
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

prEVS JUHEND 4

Eesti standardi ja standardilaadse dokumendi ülesehitus, sõnastus ja vormistus
Structure, formulation and presentation of an Estonian Standard and publication

Juhend kirjeldab Eesti standardite, standardilaadsete dokumentide ja nende kavandite ülesehituse, sõnastuse ning vormistamise nõudeid. Esitatud on ka nõuded dokumentide muudatuste ja paranduste kohta.

Keel: et
Asendab dokumenti: EVS JUHEND 4:2020

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEVS JUHEND 6

Standardimise tehnilise komitee ja projektkomitee asutamine ning töökord
Establishment and working procedures of standardisation technical committee and project committee

Juhend kehtestab nõuded Eesti Standardimis- ja Akrediteerimiskeskuse juures registreeritud standardimise tehnilise komitee ja projektkomitee asutamisele, tegutsemisele ning tegevuse lõpetamisele.

Keel: et
Asendab dokumenti: EVS JUHEND 6:2019

Arvamusküsitluse lõppkuupäev: 15.07.2021

11 TERVISEHOOLDUS

prEN ISO 18778

Respiratory equipment - Particular requirements for basic safety and essential performance of equipment for infant cardiorespiratory monitors (ISO/DIS 18778:2021)

This document specifies a method for assessing the bath stability of electro-deposition coatings used for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO/DIS 18778; prEN ISO 18778
Asendab dokumenti: EVS-EN ISO 18778:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 20776-2

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

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

Keel: en
Alusdokumendid: ISO/DIS 20776-2; prEN ISO 20776-2
Asendab dokumenti: EVS-EN ISO 20776-2:2008

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 80369-2

Small-bore connectors for liquids and gases in healthcare applications - Part 2: Connectors for respiratory applications (ISO/DIS 80369-2:2021)

This document specifies dimensions for two respiratory small-bore connectors. One (R1) for use on medical devices subjected to pressures up to 15 kPa such as a breathing system, the other (R2) for use on medical devices subjected to higher pressures between 15 kPa and 600 kPa such as oxygen therapy tubing. This document also specifies the performance requirements used to verify the dimensions. This document does not specify requirements for the medical devices or accessories that use these connectors. Such requirements are given in particular International Standards for specific medical devices or accessories. This document does not specify requirements for connectors for pressurizing and depressurizing the retention mechanism (e.g. balloon) used to hold invasive respiratory medical devices in place. NOTE 1 Manufacturers are encouraged to incorporate the small-bore connectors specified in this part of ISO 80369 into medical devices, medical systems or accessories of breathing systems or respirable driving gas applications even if currently not required by the relevant particular medical device standards. It is expected that when the relevant particular medical device standards are revised, requirements for small-bore connectors, as specified in this part of ISO 80369, will be included. NOTE 2 ISO 80369-1:2018, Clause 7, specifies alternative methods of conformance with ISO 80369-1:2018, for small-bore connectors intended for use as an ancillary port connection in the breathing system or in the respirable driving gas applications of medical devices or accessories, which do not conform with this part of ISO 80369.

Keel: en
Alusdokumendid: ISO/DIS 80369-2; prEN ISO 80369-2

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 81060-3:2021

Non-invasive sphygmomanometers - Part 3: Clinical investigation of continuous automated measurement type (ISO/DIS 81060-3:2021)

This document specifies the requirements and methods for the CLINICAL INVESTIGATION of CONTINUOUS NON-INVASIVE AUTOMATED SPHYGMOMANOMETERS used for the DETERMINATION of the BLOOD PRESSURE of a subject. This document covers CONTINUOUS NON-INVASIVE AUTOMATED SPHYGMOMANOMETERS intended for use in all subject populations (e.g. all age and weight ranges), and all conditions of use (e.g. ambulatory BLOOD PRESSURE monitoring, stress testing BLOOD PRESSURE monitoring and BLOOD PRESSURE monitors for the HOME HEALTHCARE ENVIRONMENT or self-measurement as well as use in professional healthcare facility or the EMERGENCY MEDICAL SERVICE ENVIRONMENT (EMS)). This document specifies additional disclosure requirements for the ACCOMPANYING DOCUMENTS of CONTINUOUS NON-INVASIVE AUTOMATED SPHYGMOMANOMETERS that have undergone CLINICAL INVESTIGATION 124 according to this document.

Keel: en
Alusdokumendid: ISO/DIS 81060-3.2; prEN ISO 81060-3:2021

Arvamusküsitluse lõppkuupäev: 15.06.2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 12477

Protective gloves for welders

This document specifies requirements and test methods for protective gloves for use in manual metal welding, cutting and allied processes. Protective gloves for welders protect the hands and the wrists during the process of welding and related tasks. Protective gloves for welders protect against small splashes of molten metal, short contact exposure to limited flame, convective heat and contact heat and U.V. radiation from the arc. The glove’s material provides minimum electrical resistance up to 100 V (DC) for arc welding. Besides, they protect against mechanical aggressions. WARNING - It is not meant to bring any protection in case of defective or wrong use of the welding equipment. It does not qualify the glove for protection against electrical shock where protective gloves designed according to EN 60903 shall be used. According to their performance, protective gloves for welders are classified into two types: - Type A: lower dexterity (with higher other performance); - Type B: higher dexterity (with lower other performance). Protective gloves for special welding processes are outside the scope of this document.

Keel: en
Alusdokumendid: prEN 12477
Asendab dokumenti: EVS-EN 12477:2002

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-1

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 1: Durability of self-closing of hinged and pivoted steel doorsets

This document covers single and double leaf, hinged and pivoted, steel based doorsets as covered by EN 15269-2 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability of self-closing test(s) conducted in accordance with EN 1191. Subject to the completion of the appropriate self-closing test(s), the extended application can cover all or some of the following non-exhaustive list — door leaf; — side, transom and/or overpanels; — ventilation grilles and/or louvres; — wall/ceiling fixed elements (frame/suspension system); — glazing for door leaf, side, transom and flush over panels; — items of building hardware; — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-1

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-2

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 2: Durability of self-closing of steel rolling shutters

This document covers steel rolling shutters as covered by EN 15269-10 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability self-closing test(s) conducted in accordance with EN 16034. Subject to the completion of the appropriate self-closing test or tests, the extended application could cover all or some of the following non-exhaustive list: — shutter curtain; — wall/ceiling fixed elements (frame/suspension system); — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-2

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-3

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 3: Durability of self-closing of steel sliding doorsets

This document is applicable to the following types of steel based doorsets: horizontally sliding doorsets (single and double), telescopic doorsets (single and double) and single vertically sliding doorsets as covered by EN 15269-7 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability of self-closing test(s) conducted in accordance with EN 12605:2017+A1:2020 or EN 1191. Subject to the completion of the appropriate self-closing test(s), the extended application can cover all or some of the following non-exhaustive list: — door leaf; — pass doors; — wall/ceiling fixed elements (frame/suspension system); — ventilation grilles and/or louvres; — glazing for door leaf; — items of building hardware; — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-3

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 50131-2-3:2021

Alarm systems - Intrusion and hold-up systems - Part 2-3: Requirements for microwave detectors

This document is for microwave detectors installed in buildings and provides for security grades 1 to 4 (see EN 50131-1), specific or non-specific wired or wire-free detectors, and uses environmental classes I to IV (see EN 50130-5). This document does not include requirements for detectors intended for use outdoors. The purpose of the detector is to emit microwave signals and analyse the signals that are returned to detect an intruder and to provide the necessary range of signals or messages to be used by the rest of the intrusion alarm system. The grade-dependent requirements of this document apply and it is essential that a detector fulfils all the requirements of the specified grade. Functions additional to the mandatory functions specified in this document can be included in the detector, providing they do not influence the correct operation of the mandatory functions. Requirements for system interconnections are not included in this document.

Keel: en
Alusdokumendid: prEN 50131-2-3:2021
Asendab dokumenti: EVS-EN 50131-2-3:2008
Asendab dokumenti: EVS-EN 50131-2-3:2008/IS1:2014

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 15537

Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO/DIS 15537:2021)

This International Standard establishes methods for determining the composition of groups of persons whose anthropometric characteristics are to be representative of the intended user population of any specific object under test. This International Standard is applicable to the testing of anthropometric aspects of industrial products and designs having direct contact with the human body or dependent on human body measurements, e.g. machinery, work equipment, personal protective equipment (PPE), consumer goods, working spaces, architectural details or transportation equipment. This International Standard is also applicable to the testing of such safety aspects of products that are dependent on human body measurements. It does not deal with other aspects of the task or other requirements, such as perception of information (except geometrical arrangement of the viewing targets) and the use of controls (except their geometrical placement). Although this International Standard deals with selecting test persons from an anthropometric perspective, similar general principles could be applied for other test variables, e.g. biomechanical aspects.

Keel: en
Alusdokumendid: ISO/DIS 15537; prEN ISO 15537
Asendab dokumenti: EVS-EN ISO 15537:2005

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 9241-20

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO/DIS 9241-20:2021)

This document provides a) an introduction to the importance of accessibility to human-systems interaction b) a discussion of the relationship of principles within the ISO 9241 series and accessibility c) activities related to the processes in ISO 9241-210 that focus on accessibility; d) references to standards relevant to the accessibility of interactive systems.

Keel: en
Alusdokumendid: ISO/DIS 9241-20; prEN ISO 9241-20
Asendab dokumenti: EVS-EN ISO 9241-20:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEVS-ISO 11665-4

Radioaktiivsuse mõõtmine keskkonnas. Õhk: radoon-222. Osa 4: Integreeritud mõõtemeetod aktiivsuskontsentratsiooni keskväärtuse määramiseks passiivse proovivõtu ja hilisema analüüsi kasutamisega
Measurement of radioactivity in the environment - Air: radon-222 - Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis (ISO 11665-4:2021, identical)

Selles dokumendis kirjeldatakse passiivse proovivõtuga radoon-222 integreeritud mõõtemeetodeid. Selles antakse juhised õhus sisalduva radoon-222 keskmise aktiivsuskontsentratsiooni määramiseks mõõtmiste abil, mis põhinevad lihtsasti kasutataval ja odaval passiivsel proovivõtul, ning andurite kasutamise tingimused. Selles dokumendis käsitletakse proove, mis on pidevalt võetud paarist päevast ühe aastani varieeruvate ajavahemike jooksul. Kõnealune mõõtemeetod on rakendatav õhuproovide suhtes, milles radooni aktiivsuskontsentratsioon on suurem kui 5 Bq/m3.

Keel: en
Alusdokumendid: ISO 11665-4:2021
Asendab dokumenti: EVS-ISO 11665-4:2020

Arvamusküsitluse lõppkuupäev: 15.07.2021

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 60118-16:2021

Electroacoustics - Hearing aids - Part 16: Definition and verification of hearing aid features

This part of IEC 60118 gives definitions for common hearing aid features such as noise reduction or feedback reduction, etc. Only acoustical inputs are considered. Binaural features are currently not covered in this document. In addition, measurement procedures are described to verify hearing aid features. The objective is not to evaluate the performance of features but to verify their existence and functionality. Furthermore, definitions and procedures are kept as general as possible so that this document can be applied to various types of hearing aids, e.g. air conduction hearing aids or bone conduction hearing aids. To this end, the general definition for hearing aid of IEC 60118-0:2015 is adopted, and this document does not refer to any specific ear simulator or acoustic coupler but uses a general definition of a coupler. However, if a general view is not applicable or leads to unclear or complex wording, the situation for an air conduction hearing aid is considered, only. Nevertheless, in Clause 4, an explanation is given on how this document can be applied to hearing aids which do not use air conduction.

Keel: en
Alusdokumendid: IEC 60118-16:202X; prEN IEC 60118-16:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60318-8:2021

Electroacoustics - Simulators of human head and ear - Part 8: Acoustic coupler for highfrequency measurements of hearing aids and earphones coupled to the ear by means of ear inserts

This part of IEC 60318 describes an acoustic coupler for loading a hearing aid or insert earphone with a specified impedance when testing its acoustic performance, in the frequency range up to 16 kHz. It is suitable for air conduction hearing aids and earphones, coupled to the ear by means of ear inserts e.g. earmoulds or similar devices. The acoustic coupler does not simulate the human ear. It has however, an effective volume of only 0,4 cm^3, which is small enough not to produce significant resonances in the coupler in the frequency range below 16 kHz. Therefore, it will load the earphone with a known acoustic impedance, which allows repeatable measurements with low uncertainty to be obtained on earphones used in extended high-frequency audiometry.

Keel: en
Alusdokumendid: IEC 60318-8:202X; prEN IEC 60318-8:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60404-17:2021

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grainoriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor

This part of IEC 60404 is applicable to grain-oriented electrical steel strip and sheet specified in IEC 60404-8-7 for the measurement of magnetostriction characteristics under an applied AC magnetic field at 50 Hz or 60Hz. This document defines the general principles and technical details of the measurement of magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor. NOTE 1 The accelerometer method [5] is also an established method for the measurement of magnetostriction. However, it is more suited to the measurement of magnetostriction under an externally applied tensile or compressive stress, not zero stress, because it places a weight on the test specimen to prevent a deformation of the test specimen. Since this document includes the measurement at zero stress, the optical sensor method is provided as the optimum method. This document is applicable to the measurement of: - the butterfly loop; - the peak-to-peak value λp-p; - the zero-to-peak value λ0-p. The magnetostriction characteristics are determined for a sinusoidal induced secondary voltage, for a specified peak value of the magnetic polarization and at a specified magnetizing frequency. NOTE 2 Throughout this document the term “magnetic polarization” is used as described in IEC 60050-121-11-54. In some standards of the 60404 series, the term “magnetic flux density” is used.

Keel: en
Alusdokumendid: IEC 60404-17:202X; prEN IEC 60404-17:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60599:2021

Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis

This International Standard describes how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This standard is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes (see Annex A). This standard may be applied, but only with caution, to other liquid-solid insulating systems. In any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgment.

Keel: en
Alusdokumendid: IEC 60599:202X; prEN IEC 60599:2021
Asendab dokumenti: EVS-EN 60599:2016

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEVS-ISO 11665-4

Radioaktiivsuse mõõtmine keskkonnas. Õhk: radoon-222. Osa 4: Integreeritud mõõtemeetod aktiivsuskontsentratsiooni keskväärtuse määramiseks passiivse proovivõtu ja hilisema analüüsi kasutamisega
Measurement of radioactivity in the environment - Air: radon-222 - Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis (ISO 11665-4:2021, identical)

Selles dokumendis kirjeldatakse passiivse proovivõtuga radoon-222 integreeritud mõõtemeetodeid. Selles antakse juhised õhus sisalduva radoon-222 keskmise aktiivsuskontsentratsiooni määramiseks mõõtmiste abil, mis põhinevad lihtsasti kasutataval ja odaval passiivsel proovivõtul, ning andurite kasutamise tingimused. Selles dokumendis käsitletakse proove, mis on pidevalt võetud paarist päevast ühe aastani varieeruvate ajavahemike jooksul. Kõnealune mõõtemeetod on rakendatav õhuproovide suhtes, milles radooni aktiivsuskontsentratsioon on suurem kui 5 Bq/m3.

Keel: en
Alusdokumendid: ISO 11665-4:2021
Asendab dokumenti: EVS-ISO 11665-4:2020

Arvamusküsitluse lõppkuupäev: 15.07.2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 15714-5

Industrial valves - Actuators - Part 5: Pneumatic linear actuators for industrial valves - Basic requirements

This document provides basic requirements for piston type pneumatic linear actuators for industrial valve, both double acting and single acting, used for on-off and modulating control duties. It includes criteria, method and guidelines for design, qualification, corrosion protection, control and testing. It does not apply to diaphragm actuators and to pneumatic actuators which are integral parts of control valves. Other requirements, or conditions of use, different from those indicated in this document, are subject to negotiations, between the purchaser and the manufacturer/supplier, prior to order.

Keel: en
Alusdokumendid: prEN 15714-5

Arvamusküsitluse lõppkuupäev: 15.06.2021

prEN 1591-1

Flanges and their joints - Design rules for gasketed circular flange connections - Part 1: Calculation

This document defines a calculation method for bolted, gasketed, circular flange joints. Its purpose is to ensure structural integrity and control of leak tightness. It uses gasket parameters based on definitions and test methods specified in EN 13555:2014. The calculation method is not applicable to joints with a metallic contact out of the sealing face or to joints whose rigidity varies appreciably across gasket width. For gaskets in incompressible materials, which permit large deformations, the results given by the calculation method can be excessively conservative (i.e. required bolting load too high, allowable pressure of the fluid too low, required flange thickness too large, etc.).

Keel: en
Alusdokumendid: prEN 1591-1
Asendab dokumenti: EVS-EN 1591-1:2014

Arvamusküsitluse lõppkuupäev: 15.07.2021

25 TOOTMISTEHNOLOOGIA

EN 62841-4-2:2019/prA1

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers

Amendment to EN 62841-4-2:2019

Keel: en
Alusdokumendid: IEC 62841-4-2:2017/A1:202X; EN 62841-4-2:2019/prA1
Muudab dokumenti: EVS-EN 62841-4-2:2019

Arvamusküsitluse lõppkuupäev: 15.07.2021

EN 62841-4-2:2019/prAA

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers

Amendment to EN 62841-4-2:2019

Keel: en
Alusdokumendid: EN 62841-4-2:2019/prAA
Muudab dokumenti: EN 62841-4-2:2019/prA1
Muudab dokumenti: EVS-EN 62841-4-2:2019

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61131-9:2021

Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)

This part of IEC 61131 specifies a single-drop digital communication interface technology for small sensors and actuators SDCI (commonly known as IO-LinkTM2), which extends the traditional digital input and digital output interfaces as defined in IEC 61131-2 towards a point-to-point communication link. This technology enables the transfer of parameters to Devices and the delivery of diagnostic information from the Devices to the automation system. This technology is mainly intended for use with simple sensors and actuators in factory automation, which include small and cost-effective microcontrollers. This part specifies the SDCI communication services and protocol (physical layer, data link layer and application layer in accordance with the ISO/OSI reference model) for both SDCI Masters and Devices. This part also includes EMC test requirements. This part does not cover communication interfaces or systems incorporating multiple point or multiple drop linkages, or integration of SDCI into higher level systems such as fieldbuses.

Keel: en
Alusdokumendid: IEC 61131-9:202X; prEN IEC 61131-9:2021

Asendab dokumenti: EVS-EN 61131-9:2013

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 17636-2

Non-destructive testing of welds - Radiographic testing - Part 2: X- and gamma-ray techniques with digital detectors (ISO/DIS 17636-2:2021)

This document specifies fundamental techniques of digital radiography with the object of enabling satisfactory and repeatable results to be obtained economically. The techniques are based on generally recognized practice and fundamental theory of the subject. This document applies to the digital radiographic examination of fusion welded joints in metallic materials. It applies to the joints of plates and pipes. Besides its conventional meaning, “pipe”, as used in this document, covers other cylindrical bodies such as tubes, penstocks, boiler drums, and pressure vessels. NOTE This document complies with most requirements of ISO 16371-2.[3] This document specifies the requirements for digital radiographic X- and gamma-ray testing by either computed radiography (CR) or radiography with digital detector arrays (DDA) of the welded joints of metallic plates and tubes for the detection of imperfections. Digital detectors provide a digital grey value (GV) image which can be viewed and evaluated using a computer. This document specifies the recommended procedure for detector selection and radiographic practice. Selection of computer, software, monitor, printer and viewing conditions are important, but are not the main focus of this document. The procedure specified in this document provides the minimum requirements for radiographic practice which permit exposure and acquisition of digital radiographs with equivalent sensitivity for detection of imperfections as film radiography, as specified in ISO 17636-1. This document does not specify acceptance levels for any of the indications found on the digital radiographs. ISO 10675 provides information on acceptance levels. If contracting parties apply lower test criteria, it is possible that the quality achieved is significantly lower than when this document is strictly applied.

Keel: en
Alusdokumendid: ISO/DIS 17636-2; prEN ISO 17636-2
Asendab dokumenti: EVS-EN ISO 17636-2:2013

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 18278-1

Resistance welding - Weldability - Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO/DIS 18278-1:2021)

This part of ISO 18278 specifies procedures for assessing the generic weldability for resistance welding of uncoated and coated metals. It is assumed for this and other linked standards that their application is entrusted to appropriately trained, skilled, and experienced personnel. For the quality of welded structures, the relevant part of ISO 14554 is applicable. The specification of procedures is to follow guidelines as in ISO 15609-5. The purpose of the tests are to a) compare the metallurgical weldability of different metals, b) assess the weldability of differing component designs, e.g. dimensional configuration, stack-up, projection geometry, etc., c) investigate the effect of changes in welding parameters such as welding current, weld time, electrode force or complex welding schedules including pulse welding, current stepping etc. on weldability, and/or d) compare the performance of resistance welding equipment. Precise details of the test procedure to be used will depend on which aspect of items a) to d) will be evaluated relative to the welding result obtained.

Keel: en
Alusdokumendid: ISO/DIS 18278-1; prEN ISO 18278-1
Asendab dokumenti: EVS-EN ISO 18278-1:2015

Arvamusküsitluse lõppkuupäev: 15.07.2021

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN 17669

Energy Performance Contracting - Minimum requirements

Scope of the new standard(s) is to define the minimum requirements of an Energy Performance Contract between the beneficiary and the provider of an energy efficiency measure that delivers a contractually agreed level of energy efficiency improvement and other agreed energy performance criterion and meet the requirements of: - cost effectiveness in relation to the benefits generated by the energy efficiency measure (appropriateness of the EPC); - risk mitigation and risk allocation toolkit; - Eurostat and IASB requirements for statistical treatment and financial accounting; - due diligence and underwriting procedures of financial institutions and assets evaluators.

Keel: en
Alusdokumendid: prEN 17669

Arvamusküsitluse lõppkuupäev: 15.07.2021

29 ELEKTROTEHNIKA

EN 50525-1:2011/prA1:2021

Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 1: General requirements

This European Standard gives the general requirements for rigid and flexible energy cables of rated voltages U0/U up to and including 450/750 V a.c., used in power installations and with domestic and industrial appliances and equipment. NOTE 1 For some types of flexible cables, the term "cord" is used. NOTE 2 Rated voltages are given by reference to alternating current (a.c.) systems. Use of the cables in direct current (d.c.) systems is permitted. NOTE 3 National regulations may prescribe

additional performance requirements for cables that are not given in the particular requirements. For example for buildings with high levels of public access, additional fire performance requirements may be applicable, The test methods for checking conformity with the requirements are given in other standards (see Introduction). The particular types of cables are specified in EN 50525-2 (series) and EN 50525-3 (series). The individual parts within those two series are collectively referred to hereafter as "the particular specifications". Only the sizes (conductor class, cross-sectional area), number of cores, other constructional features and rated voltages given in the particular specification apply to the individual cable type. The code designations of these types of cables are in accordance with HD 361.

Keel: en
Alusdokumendid: EN 50525-1:2011/prA1:2021
Muudab dokumenti: EVS-EN 50525-1:2011

Arvamusküsitluse lõppkuupäev: 15.07.2021

EN 60598-2-11:2013/prA1:2021

Luminaires - Part 2-11: Particular requirements - Aquarium luminaires

Amendment to EN 60598-2-11:2013

Keel: en
Alusdokumendid: IEC 60598-2-11:2013/A1:202X; EN 60598-2-11:2013/prA1:2021
Muudab dokumenti: EVS-EN 60598-2-11:2013

Arvamusküsitluse lõppkuupäev: 15.07.2021

EN IEC 60230:2018/prA1:2021

Impulse tests on cables and their accessories

Amendment to EN IEC 60230:2018

Keel: en
Alusdokumendid: IEC 60230:2018/A1:202X; EN IEC 60230:2018/prA1:2021
Muudab dokumenti: EVS-EN IEC 60230:2018

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60127-6:2021

Miniature fuses - Part 6: Fuse-holders for miniature fuse-links

This part of IEC 60127 is applicable to fuse-holders for miniature cartridge fuse-links according to IEC 60127-2, sub-miniature fuse-links according to IEC 60127-3, universal modular fuse'-inks to IEC 60127-4 and miniature fuse-links for special applications to IEC 60127-7 for the protection of electric appliances, electronic equipment and component parts thereof, normally intended for use indoors. Requirements for IEC 60127-4 and IEC 60127-7 are under consideration

Keel: en
Alusdokumendid: IEC 60127-6:202X; prEN IEC 60127-6:2021
Asendab dokumenti: EVS-EN 60127-6:2014

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60204-32:2021

Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines

This part of IEC 60204 applies to electrical, electronic, programmable electronic equipment and systems to hoisting machines and related equipment, including a group of hoisting machines working together in a co-ordinated manner NOTE 1 In this part of IEC 60204, the term "electrical" includes both electrical and electronic matters (i.e. "electrical equipment" means both the electrical, electronic and programmable electronic equipment). NOTE 2 In the context of this part of IEC 60204, the term “person” refers to any individual and includes those persons who are assigned and instructed by the user or user’s agent(s) in the use and care of the hoisting machine in question. The equipment covered by this part of IEC 60204 commences at the point of connection of the supply to the electrical equipment of the hoisting machine (crane-supply-switch) and includes systems for power supply and control feeders situated outside of the hoisting machine, for example, flexible cables or conductor wires or conductor bars (see Figure 3). NOTE 3 The requirements for the electrical supply installation of electrical equipment of a hoisting machine are given in IEC 60364. This standard is applicable to equipment or parts of equipment not exceeding 1 000 V AC or 1 500 V DC between lines and with nominal frequencies not exceeding 200 Hz. NOTE 4 Special requirements for electrical equipment of hoisting machines intended to be operated at higher voltages, see IEC 60204-11 (Annex D) This part of IEC60204 does not cover all the requirements (for example guarding, interlocking, or control) that are needed or required by other standards or regulations in order to protect persons from hazards other than electrical hazards. Each type of hoisting machine has unique requirements to be accommodated to provide adequate safety. This part of 60204 doesn´t cover noise risks and vibration risks. Additional and special requirements can apply to the electrical equipment of hoisting machines including those that - handle or transport potentially explosive material (e.g. paint or sawdust); - are intended for use in potentially explosive and/or flammable atmospheres; - have special risks when transporting or moving certain materials - are intended for use in mines. For the purposes of this standard, hoisting machines include cranes of all types, winches of all types and storage and retrieval machines. The following product groups are included: - overhead travelling cranes; - mobile cranes; - tower cranes; - slewing luffing cranes; - gantry cranes; - offshore cranes; - floating cranes; - winches of all types; - hoists and accessories; - loader cranes; - cable cranes; - load holding devices; - storage and retrieval machines; - monorail hoists; - straddle carriers; - rubber tyred gantry cranes (RTGs). NOTE 5 Definition of the different crane types see ISO 4306-1 This standard does not cover individual items of electrical equipment other than their selection for use and their erection.

Keel: en
Alusdokumendid: IEC 60204-32:202X; prEN IEC 60204-32:2021
Asendab dokumenti: EVS-EN 60204-32:2008

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60404-17:2021

Magnetic materials - Part 17: Methods of measurement of the magnetostriction characteristics of grainoriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor

This part of IEC 60404 is applicable to grain-oriented electrical steel strip and sheet specified in IEC 60404-8-7 for the measurement of magnetostriction characteristics under an applied AC magnetic field at 50 Hz or 60Hz. This document defines the general principles and technical details of the measurement of magnetostriction characteristics of grain-oriented electrical steel strip and sheet by means of a single sheet tester and an optical sensor. NOTE 1 The accelerometer method [5] is also an established method for the measurement of magnetostriction. However, it is more suited to the measurement of magnetostriction under an externally applied tensile or compressive stress, not zero stress, because it places a weight on the test specimen to prevent a deformation of the test specimen. Since this document includes the measurement at zero stress, the optical sensor method is provided as the optimum method. This document is applicable to the measurement of: - the butterfly loop; - the peak-to-peak value λp-p; - the zero-to-peak value λ0-p. The magnetostriction characteristics are determined for a sinusoidal induced secondary voltage, for a specified peak value of the magnetic polarization and at a specified magnetizing frequency. NOTE 2 Throughout this document the term “magnetic polarization” is used as described in IEC 60050-121-11-54. In some standards of the 60404 series, the term “magnetic flux density” is used.

Keel: en
Alusdokumendid: IEC 60404-17:202X; prEN IEC 60404-17:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60475:2021

Method of sampling insulating liquids

This International Standard is applicable to the procedure to be used for insulating liquids in delivery containers and in electrical equipment such as power and instrument transformers, reactors, bushings, oil-filled cables, oil-filled tank-type capacitors, switchgear and load tap changers (LTCs). This standard applies to liquids the viscosity of which at the sampling temperature is less than 1 500 mm2/s (or cSt). It applies to mineral oils and non-mineral oils (such as synthetic esters, natural esters, vegetable oils or silicones).

Keel: en
Alusdokumendid: IEC 60475:202X; prEN IEC 60475:2021
Asendab dokumenti: EVS-EN 60475:2011

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60599:2021

Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis

This International Standard describes how the concentrations of dissolved gases or free gases may be interpreted to diagnose the condition of oil-filled electrical equipment in service and suggest future action. This standard is applicable to electrical equipment filled with mineral insulating oil and insulated with cellulosic paper or pressboard-based solid insulation. Information about specific types of equipment such as transformers (power, instrument, industrial, railways, distribution), reactors, bushings, switchgear and oil-filled cables is given only as an indication in the application notes (see Annex A). This standard may be applied, but only with caution, to other liquid-solid insulating systems. In any case, the indications obtained should be viewed only as guidance and any resulting action should be undertaken only with proper engineering judgment.

Keel: en
Alusdokumendid: IEC 60599:202X; prEN IEC 60599:2021
Asendab dokumenti: EVS-EN 60599:2016

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61558-2-14:2021

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers for general applications

This part of IEC 61558 deals with the safety of variable transformers for general applications and power supply units incorporating variable transformers for general applications. Variable transformers incorporating electronic circuits are also covered by this document. NOTE 1 Safety includes electrical, thermal, mechanical and chemical aspects. Unless otherwise specified, from here onward, the term transformer covers variable transformers for general applications and power supply units incorporating variable 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 together with this document. Where two requirements are in conflict, the most severe take precedence. This document does not apply to transformers covered by IEC 60076-11. This document is applicable to stationary or portable, single-phase or polyphase, air-cooled (natural or forced) independent or associated variable dry-type transformers. - variable auto-transformers; - variable separating transformers; - variable isolating transformers; - variable safety isolating transformers. The windings can be encapsulated or non-encapsulated. The rated supply

voltage does not exceed 1 000 V AC and the rated supply frequency and the internal operational frequencies do not exceed 500 Hz. The rated output does not exceed: - 40 kVA for single-phase variable auto-transformers; - 200 kVA for poly-phase variable auto-transformers; - 1 kVA for single-phase variable separating transformers; - 5 kVA for poly-phase variable separating transformers; - 25 kVA for single-phase variable isolating transformers; - 40 kVA for poly-phase variable isolating transformers; - 10 kVA for single-phase variable safety isolating transformers; - 16 kVA for poly-phase variable safety isolating transformers. This document is applicable to variable transformers without limitation of the rated output subject to an agreement between the purchaser and the manufacturer. NOTE 2 Transformers intended to supply distribution networks are not included in the scope. [...]

Keel: en
Alusdokumendid: IEC 61558-2-14:202X; prEN IEC 61558-2-14:2021
Asendab dokumenti: EVS-EN 61558-2-14:2013

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61558-2-15:2021

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for medical IT systems for the supply of medical locations

This part of IEC 61558 deals with safety of isolating transformers for medical IT systems for the supply of medical locations. NOTE 1 Safety includes electrical, thermal and mechanical aspects. Unless otherwise specified, from here onward, the term transformer covers isolating transformers for medical IT systems for the supply of medical locations. This document is applicable to isolating transformers, single-phase or three-phase, air-cooled (natural or forced) dry-type transformers for the supply of medical IT system for group 2 medical locations, designed to be permanently connected to the fixed wiring and intended to form the medical IT system on the secondary side. The windings can be encapsulated or non encapsulated. NOTE 2 IT systems are defined in IEC 60364-1. The installation rules for medical IT system for group 2 medical locations are covered by IEC 60364-7-710. Transformers covered by this document are intended for medical IT systems for the supply of medical locations. All other transformers or equipments connected downstream from the transformer are not covered by this document. The rated supply voltage does not exceed 1 000 V AC. The rated supply frequency and internal operational frequency do not exceed 500 Hz. The rated output does not be less than 0,5 kVA and does not exceed 10 kVA for single-phase and three-phase transformers for medical IT system for group 2 medical locations. This document may be applicable to isolating transformers intended to supply other medical installations that are not group 2 medical locations without limitation of the rated output subject to an agreement between the purchaser and the manufacturer. NOTE 3 Transformers intended to supply distribution networks other than medical IT systems are not included in the scope. The no-load output voltage and the rated output voltage does not exceed 250 V AC for single-phase or three-phase transformer (phase-to-phase voltage). This document does not cover power supply units and is not intended to be used in conjunction with IEC 61558-2-16 for switch mode power supply units. 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. Transformers covered by this document are used in applications where double or reinforced insulation between circuits is required by the installation rules or by the appliance specification. NOTE National installation rules of some countries have different or additional requirements listed in Annex C of IEC 60364-7-710:2021. Attention is drawn 193 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. 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 61558-2-15:202X; prEN IEC 61558-2-15:2021
Asendab dokumenti: EVS-EN 61558-2-15:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 62641:2021

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors

This document specifies the mechanical and electrical properties of round and formed wires for equivalent diameters up to the values as per Table 3 for aluminium and aluminium alloys and as per Table 4 for thermal resistant alloys. This document is applicable to aluminium and aluminium alloy wires for the manufacture of concentric lay overhead electrical stranded conductors with or without gap(s) for power transmission purposes. The various materials and their designations are listed in Table 1. For calculation purposes, the values listed in Table 1 shall be used.

Keel: en
Alusdokumendid: IEC 62641:202X; prEN IEC 62641:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 62641:2021/prAA

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors

Amendment to prEN IEC 62641

Keel: en
Alusdokumendid: prEN IEC 62641:2021/prAA
Muudab dokumenti: prEN IEC 62641:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 63248:2021

Conductors for overhead lines - Coated or cladded metallic wire for concentric lay stranded conductors

This document specifies the properties of wires in the diameter range of, but not limited to, 1,25 mm to 5,50 mm. This standard is applicable to coated or cladded metallic wires before stranding used either as concentric lay overhead stranded conductors, or in the manufacture of cores for concentric lay overhead stranded conductors, for power transmission purposes. The various wire types and their designations are listed in Table A.1. For calculation purposes the values listed in Table B.1 shall be used.

Keel: en
Alusdokumendid: IEC 63248:202X; prEN IEC 63248:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 63248:2021/prAA

Conductors for overhead lines - Coated or cladded metallic wire for concentric lay stranded conductors

Amendment to prEN IEC 63248

Keel: en
Alusdokumendid: prEN IEC 63248:2021/prAA
Muudab dokumenti: prEN IEC 63248:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

33 SIDETEHNIKA

EN IEC 61970-301:2020/prA1:2021

Energy management system application program interface (EMS-API) - Part 301: Common information model (CIM) base

Amendment to EN IEC 61970-301:2020

Keel: en
Alusdokumendid: IEC 61970-301:2020/A1:202X; EN IEC 61970-301:2020/prA1:2021
Muudab dokumenti: EVS-EN IEC 61970-301:2020

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 301 192 V1.7.1

Digital Video Broadcasting (DVB); DVB specification for data broadcasting

The present document specifies transport and encapsulation protocols, and signalling for carrying general purpose data over DVB Transport Streams. The present document is designed to be used in conjunction with ETSI EN 300 468. Data broadcasting is an important extension of the MPEG-2 based DVB transmission standards. Examples are the download of software over satellite, cable or terrestrial links, the delivery of Internet services over broadcast channels (IP tunnelling), interactive TV, etc.

Keel: en
Alusdokumendid: Draft ETSI EN 301 192 V1.7.1

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 55011:2021 {fragment 1}

Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement - Requirements for air-gap wireless power transfer (WPT)

Fragment 1 of new edition to EN 55011:2016

Keel: en
Alusdokumendid: CISPR 11:202X {frag 1}; prEN IEC 55011:2021 {fragment 1}
Asendab dokumenti: EVS-EN 55011:2016
Asendab dokumenti: EVS-EN 55011:2016/A1:2017
Asendab dokumenti: EVS-EN 55011:2016/A11:2020
Asendab dokumenti: EVS-EN 55011:2016+A1:2017
Asendab dokumenti: EVS-EN 55011:2016+A1+A11:2020

Arvamusküsitluse lõppkuupäev: 15.06.2021

prEN IEC 60966-4-2:2021

Radio frequency and coaxial cable assemblies – Part 4-2: Detail specification for semi rigid cable assemblies (jumper), Frequency range up to 6000MHz, Type 50-9 semi-rigid coaxial cable, applicable to ISO/IEC 11801-1

This part of IEC 60966 is a detail specification that relates to semi-rigid cable assemblies composed of type 50-9 semi-rigid coaxial cables with foamed polyethylene dielectric and connectors such as type 7-16 (IEC 61169-4), type 4.1-9.5 (IEC 61169-11), type N (IEC 61169-16),type S7-16 (IEC 61169-53) or type 4.3-10 (IEC 61169-54). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are used as jumper cables for mobile communication, mainly used between main feeder and antennas or between main feeder and equipment system or between remote radio heads and antennas. The operating frequency is up to 6000MHz. The qualification will be conducted in accordance with 12.2 of IEC 60966-4:2003. Once one variant obtains qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in 12.3 of IEC 60966-4:2003 and described in the CM(capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in 12.3 of IEC 60966-4:2003 and described in the CM.

Keel: en
Alusdokumendid: IEC 60966-4-2:202X; prEN IEC 60966-4-2:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 60966-4-3:2021

Radio frequency and coaxial cable assemblies – Part 4-3: Detail specification for semi-rigid cable assemblies, Frequency range up to 6000MHz, Type 50-12 low loss semi-rigid coaxial cable, applicable to ISO/IEC 11801-1

This part of IEC 60966 is a detail specification that relates to semi-rigid cable assemblies composed of type 50-12 low loss semi-rigid coaxial cable and connectors such as type 7-16 (IEC 61169-4), type 4.1-9.5 (IEC 61169-11), type N (IEC 61169-16), type S7-16 (IEC 61169-53) or type 4.3-10 (IEC 61169-54). It gives subfamily detail requirements and severities which shall be applied. These cable assemblies are used as jumper cables for mobile communication, mainly used between main feeder and antennas or between main feeder and equipment system or between remote radio heads and antennas. The operating frequency is up to 6 000 MHz. The qualification will be conducted in accordance with 12.2 of IEC 60966-4:2003. Once one variant obtains qualification approval, the other variant with same cable and connection type can obtain qualification approval by conducting tests whose results might depend on the variants. Under capability approval, the qualification will be conducted on the relating CQCs (capability qualifying components) as defined in 12.3 of IEC 60966-4:2003 and described in the CM (capability manual). Unless otherwise specified in the CM, only lot-by-lot tests from groups Ba and Eb will be conducted on delivered products, all other tests will be performed on CQCs as defined in 12.3 of IEC 60966-4:2003 and described in the CM.

Keel: en
Alusdokumendid: IEC 60966-4-3:202X; prEN IEC 60966-4-3:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61169-1-5:2021

Radio frequency connectors – Part 1-5: Electrical test methods – Rise time degradation

This part of IEC 61169 provides test methods for the rise time degradation of radio frequency (RF) connector. This document is applicable to triaxial and other radio frequency connectors.

Keel: en
Alusdokumendid: IEC 61169-1-5:202X; prEN IEC 61169-1-5:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61169-1-6:2021

Radio frequency connectors - Part 1-6: Electrical test methods- RF power

This part of IEC 61169 provides test methods for RF power rating and power handling of RF connectors at specified frequency, temperature and altitude. The standard is applicable to cabled RF connectors, microstrip RF connectors and RF connector adapters. It is also suitable to test RF channels in multi-channel RF connectors and hybrid connectors.

Keel: en
Alusdokumendid: IEC 61169-1-6:202X; prEN IEC 61169-1-6:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61169-21:2021

Radio-frequency connectors - Part 21: Sectional specification for RF connectors with inner diameter of outer conductor 9,5 mm (0,374 in) with screw coupling-Characteristic impedance 50 ohms (Type SC)

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for preparation of detail specification for type SC threaded RF coaxial connectors with 50 Ω characteristic impedance. The connectors are used with flexible and semi-rigid cables. And they are recommended to be utilized in medium power and low reflection applications up to 11 GHz. The dielectric filled interface is especially beneficial in applications involving severe environmental exposure. It prescribes mating face dimensions, dimensional details, gauging information for general connectors - grade 2 and standard test

connectors - grade 0 as well as test schedules and inspection requirements selected from IEC 61169-1, applicable to all detail specifications relating to type SC RF connectors. Type SC interface specified in this specification is equivalent to type SC-B interface in IEC 60169-21:1985. This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H. NOTE: For this part, original dimensions are in inches. All undimensioned pictorial configurations are for reference purpose only.

Keel: en
Alusdokumendid: IEC 61169-21:202X; prEN IEC 61169-21:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61169-67:2021

Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for series TRL threaded triaxial connectors. Series TRL threaded triaxial connectors with high reliability, small size, good salt characteristics can be connected with symmetrically twisted pair cables or triaxial cables. It has been used in 1553B data bus systems or other communication systems for digital signal transmission. It prescribes mating face dimensions for series TRL threaded triaxial connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series TRL threaded triaxial connectors. This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H. Note: Metric dimensions are original dimensions. All undimensioned pictorial configurations are for reference purpose only.

Keel: en
Alusdokumendid: IEC 61169-67:202X; prEN IEC 61169-67:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 61169-68:2021

Radio frequency connectors - Part 68: Sectional specification for series TRK bayonet coupling triaxial connectors

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for series TRK bayonet coupling triaxial connectors. The series TRK bayonet coupling triaxial connectors with the advantages of quick connection and separation, high reliability, small size, good salt characteristics, four polarizations to prevent error-mate etc., can be connected with symmetrically twisted pair cables or triaxial cables. It has been widely used in 1553B data bus systems or other communication systems for digital signal transmission. It prescribes mating face dimensions for series TRK bayonet coupling triaxial connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series TRK triaxial connectors. This specification indicates recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H. Note: Metric dimension are original dimensions. All undimensioned pictorial configurations are for reference purpose only.

Keel: en
Alusdokumendid: IEC 61169-68:202X; prEN IEC 61169-68:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN IEC 63295:2021

Specification for WB series glass beads with 50Ω impedance for RF connectors

This standard provides the requirements of WB series glass beads with 50Ω impedance for RF connectors, including the structure dimensions, IEC type designation, rating and characteristics and quality assessments, etc. These glass beads are used for adaption of coaxial systems to microstrip circuits extensively in microwave communication systems such as TR modules, power modules, integrated circuits and etc. where hermetic seal is required. They can serve as a part of an RF coaxial connector, multi-channel RF connector or hybrid connector, or can be applied directly in various communication module systems as an independent product. They provide 50Ω normative impedance with operating frequency limit up to 65 GHz.

Keel: en
Alusdokumendid: IEC 63295:202X; prEN IEC 63295:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 14982-1

Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria - Part 1: General EMC requirements (ISO/DIS 14982-1:2021)

This International Standard specifies the test methods and acceptance criteria for evaluating the electromagnetic compatibility of tractors, and all kinds of mobile (including hand-held or battery powered) agricultural and forestry machines, landscaping and gardening machines [referred to hereafter as machine(s)] as supplied by the machine manufacturer. It is applicable to machines and electrical/electronic sub-assemblies (ESA's) which are manufactured after the date of publication of this International Standard. This Part specifies general EMC requirements under typical EMC environmental conditions. ISO 14982-2:2021 deals with EMC requirements specifically related to functional safety. Electrical/electronic components or sub-assemblies intended for fitting in machines are also within the scope of this standard, except regarding immunity for those parts whose functions are not involved in the direct control and modification of the state of the functions of the machine. The following electromagnetic phenomena are to be evaluated: - radiated electromagnetic emissions; - electromagnetic field immunity; - electrostatic

discharge; - conducted transients. This International Standard is not applicable to machines directly supplied with current from public electrical mains. Exceptions to machines or electrical/electronic systems or ESA's that may not require testing in accordance with this International Standard are given in clause 12.

Keel: en
Alusdokumendid: ISO/DIS 14982-1; prEN ISO 14982-1
Asendab dokumenti: EVS-EN ISO 14982:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 14982-2

Agricultural and forestry machinery - Electromagnetic compatibility - Part 2: Additional EMC requirements for functional safety (ISO/DIS 14982-2:2021)

This International Standard specifies test methods and acceptance criteria for evaluating the electromagnetic compatibility of tractors, and all kinds of mobile (including hand-held) agricultural machinery, forestry machinery, landscaping and gardening machinery [referred to hereafter as machine(s)] as supplied by the machine manufacturer. It is applicable to machines and electrical/electronic sub-assemblies (ESA's) which are manufactured after the date of publication of this International Standard. It specifies additional EMC requirements under aspect of functional safety for machinery, ESA and separate ESAs. This International Standard is only relevant for functions of machine control system failures which when risk assessed to ISO 25119 (or the equivalent when other electronic functional safety standards are used), are greater than or equal to AgPLr b (or the equivalent). Machinery utilizing systems not complying ISO 25119 (or the equivalent), need not test to this part of ISO 14982. Electrical and electronic components or separate ESAs intended to be used in the applicable machinery control functions are also dealt with by this International Standard. The following electromagnetic disturbance phenomena are evaluated: - radiated electromagnetic field by off-board sources with various field strength and frequency; - radiated electromagnetic field by portable transmitters (antenna inside/outside) with various field strength and frequency; - electrical field (wire conducted electrical fields); - electrostatic discharge. This International Standard is not applicable to machines directly supplied with low voltage current from public electrical mains.

Keel: en
Alusdokumendid: ISO/DIS 14982-2; prEN ISO 14982-2
Asendab dokumenti: EVS-EN ISO 14982:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 50715:2021

Electromagnetic compatibility - Radio frequency emission - Statistical considerations in the determination of compliance for mass-produced products with emission requirements

To provide a Standard (not TR) This standard to provide statistical methods for the determination of compliance with radio frequency emission limits for mass-produced products. This standard to be derived from the basic EMC technical report CISPR TR 16-4-3 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-3: Uncertainties, statistics and limit modelling - Statistical considerations in the determination of EMC compliance of mass-produced products."

Keel: en
Alusdokumendid: prEN 50715:2021

Arvamusküsitluse lõppkuupäev: 15.07.2021

35 INFOTEHNOLOOGIA

prEN IEC 61131-9:2021

Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)

This part of IEC 61131 specifies a single-drop digital communication interface technology for small sensors and actuators SDCI (commonly known as IO-LinkTM2), which extends the traditional digital input and digital output interfaces as defined in IEC 61131-2 towards a point-to-point communication link. This technology enables the transfer of parameters to Devices and the delivery of diagnostic information from the Devices to the automation system. This technology is mainly intended for use with simple sensors and actuators in factory automation, which include small and cost-effective microcontrollers. This part specifies the SDCI communication services and protocol (physical layer, data link layer and application layer in accordance with the ISO/OSI reference model) for both SDCI Masters and Devices. This part also includes EMC test requirements. This part does not cover communication interfaces or systems incorporating multiple point or multiple drop linkages, or integration of SDCI into higher level systems such as fieldbuses.

Keel: en
Alusdokumendid: IEC 61131-9:202X; prEN IEC 61131-9:2021
Asendab dokumenti: EVS-EN 61131-9:2013

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 9241-20

Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO/DIS 9241-20:2021)

This document provides a) an introduction to the importance of accessibility to human-systems interaction b) a discussion of the relationship of principles within the ISO 9241 series and accessibility c) activities related to the processes in ISO 9241-210 that focus on accessibility; d) references to standards relevant to the accessibility of interactive systems.

Keel: en
Alusdokumendid: ISO/DIS 9241-20; prEN ISO 9241-20
Asendab dokumenti: EVS-EN ISO 9241-20:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

45 RAUDTEETEHNIKA

EN 50463-4:2017/prA1:2021

Railway applications - Energy measurement on board trains - Part 4: Communication

This New Work Item Proposal has the scope to provide an amendment of the European standard EN 50463-4 in order to update the reference to prEN 61375-2-6:2016 following the publication of the EN 61375-2-6:2018.

Keel: en
Alusdokumendid: EN 50463-4:2017/prA1:2021
Muudab dokumenti: EVS-EN 50463-4:2017

Arvamusküsitluse lõppkuupäev: 15.07.2021

47 LAEVAEHITUS JA MERE-EHITISED

prHD 60364-7-730

Low-voltage electrical installations - Part 7-730: Requirements for special installations or locations - Onshore units of electrical shore connections for inland navigation vessels

The particular requirements specified in this part of HD 60364 apply to on-shore installations dedicated to supply inland navigation vessels for commercial and administrative purpose, berthed in ports and berths. For single- and three-phase supplies to pleasure craft, use HD 60364-7-709. This document applies to the electric installations specified in EN 15869-1, EN 15869-2 and EN 16840. Additional requirements which are not related to electrical requirements are given in EN 15869-1, EN 15869-2 and EN 16840. The particular requirements do not apply to the on-board installations of inland navigation vessels, including the shore-connection cables. Additional requirements on the on-board installation are given in EN 15869-3.

Keel: en
Alusdokumendid: prHD 60364-7-730
Asendab dokumenti: EVS-HD 60364-7-730:2015

Arvamusküsitluse lõppkuupäev: 15.07.2021

53 TÕSTE- JA TEISALDUS-SEADMED

prEN IEC 60204-32:2021

Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines

This part of IEC 60204 applies to electrical, electronic, programmable electronic equipment and systems to hoisting machines and related equipment, including a group of hoisting machines working together in a co-ordinated manner NOTE 1 In this part of IEC 60204, the term "electrical" includes both electrical and electronic matters (i.e. "electrical equipment" means both the electrical, electronic and programmable electronic equipment). NOTE 2 In the context of this part of IEC 60204, the term “person” refers to any individual and includes those persons who are assigned and instructed by the user or user’s agent(s) in the use and care of the hoisting machine in question. The equipment covered by this part of IEC 60204 commences at the point of connection of the supply to the electrical equipment of the hoisting machine (crane-supply-switch) and includes systems for power supply and control feeders situated outside of the hoisting machine, for example, flexible cables or conductor wires or conductor bars (see Figure 3). NOTE 3 The requirements for the electrical supply installation of electrical equipment of a hoisting machine are given in IEC 60364. This standard is applicable to equipment or parts of equipment not exceeding 1 000 V AC or 1 500 V DC between lines and with nominal frequencies not exceeding 200 Hz. NOTE 4 Special requirements for electrical equipment of hoisting machines intended to be operated at higher voltages, see IEC 60204-11 (Annex D) This part of IEC60204 does not cover all the requirements (for example guarding, interlocking, or control) that are needed or required by other standards or regulations in order to protect persons from hazards other than electrical hazards. Each type of hoisting machine has unique requirements to be accommodated to provide adequate safety. This part of 60204 doesn´t cover noise risks and vibration risks. Additional and special requirements can apply to the electrical equipment of hoisting machines including those that - handle or transport potentially explosive material (e.g. paint or sawdust); - are intended for use in potentially explosive and/or flammable atmospheres; - have special risks when transporting or moving certain materials - are intended for use in mines. For the purposes of this standard, hoisting machines include cranes of all types, winches of all types and storage and retrieval machines. The following product groups are included: - overhead travelling cranes; - mobile cranes; - tower cranes; - slewing luffing cranes; - gantry cranes; - offshore cranes; - floating cranes; - winches of all types; - hoists and accessories; - loader cranes; - cable cranes; - load holding devices; - storage and retrieval machines; - monorail hoists; - straddle carriers; - rubber tyred gantry cranes (RTGs). NOTE 5 Definition of the different crane types see ISO 4306-1 This standard does not cover individual items of electrical equipment other than their selection for use and their erection.

Keel: en
Alusdokumendid: IEC 60204-32:202X; prEN IEC 60204-32:2021
Asendab dokumenti: EVS-EN 60204-32:2008

Arvamusküsitluse lõppkuupäev: 15.07.2021

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN 17665

Packaging - Test methods and requirements to demonstrate that plastic caps and lids of single-use beverage containers with a capacity of up to three litres remain attached to the containers during the product's intended use stage

This document defines test methods and requirements to demonstrate that plastic caps and lids of single-use beverage containers with a capacity of up to three litres remain attached to the containers during the product's intended use stage, addressing the need to ensure the necessary strength, reliability and safety of beverage container closures, including those for carbonated drinks. This document addresses the strength reliability and safety of the beverage closures impacted by the attachment features and not those of the overall closure system.

Keel: en
Alusdokumendid: prEN 17665

Arvamusküsitluse lõppkuupäev: 15.07.2021

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 30023

Textiles - Qualification symbols for labelling workwear to be industrially laundered (ISO/FDIS 30023:2021)

This document — establishes a system of graphical symbols, intended for use in the marking of workwear articles and protective clothing providing information on the suitability for professional industrial laundering using ISO 15797, and — specifies the use of these symbols in qualifying garments as potentially suitable for industrial laundering. The following professional industrial laundering treatments are covered: washing, bleaching, tunnel finishing and tumble drying after washing. Textile-care treatments in dry and wet cleaning are covered in ISO 3175 (all parts). This document applies to articles of workwear and protective clothing in the form in which they are supplied to the professional launderer.

Keel: en
Alusdokumendid: ISO/FDIS 30023; prEN ISO 30023
Asendab dokumenti: EVS-EN ISO 30023:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

65 PÕLLUMAJANDUS

prEN 15749

Fertilizers - Determination of sulfates content using three different methods

This document specifies three different methods (Methods A, B and C) for the determination of sulfur present in fertilizers extracts in the form of sulfates. Method A specifies the gravimetric method. Method B specifies the method using inductively coupled plasma optical spectrometry (ICP-OES). Method C specifies the method using ion chromatography (IC).

Keel: en
Alusdokumendid: prEN 15749
Asendab dokumenti: EVS-EN 15749:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 14982-1

Agricultural and forestry machinery - Electromagnetic compatibility - Test methods and acceptance criteria - Part 1: General EMC requirements (ISO/DIS 14982-1:2021)

This International Standard specifies the test methods and acceptance criteria for evaluating the electromagnetic compatibility of tractors, and all kinds of mobile (including hand-held or battery powered) agricultural and forestry machines, landscaping and gardening machines [referred to hereafter as machine(s)] as supplied by the machine manufacturer. It is applicable to machines and electrical/electronic sub-assemblies (ESA's) which are manufactured after the date of publication of this International Standard. This Part specifies general EMC requirements under typical EMC environmental conditions. ISO 14982-2:2021 deals with EMC requirements specifically related to functional safety. Electrical/electronic components or sub-assemblies intended for fitting in machines are also within the scope of this standard, except regarding immunity for those parts whose functions are not involved in the direct control and modification of the state of the functions of the machine. The following electromagnetic phenomena are to be evaluated: - radiated electromagnetic emissions; - electromagnetic field immunity; - electrostatic discharge; - conducted transients. This International Standard is not applicable to machines directly supplied with current from public electrical mains. Exceptions to machines or electrical/electronic systems or ESA's that may not require testing in accordance with this International Standard are given in clause 12.

Keel: en
Alusdokumendid: ISO/DIS 14982-1; prEN ISO 14982-1
Asendab dokumenti: EVS-EN ISO 14982:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 14982-2

Agricultural and forestry machinery - Electromagnetic compatibility - Part 2: Additional EMC requirements for functional safety (ISO/DIS 14982-2:2021)

This International Standard specifies test methods and acceptance criteria for evaluating the electromagnetic compatibility of tractors, and all kinds of mobile (including hand-held) agricultural machinery, forestry machinery, landscaping and gardening machinery [referred to hereafter as machine(s)] as supplied by the machine manufacturer. It is applicable to machines and electrical/electronic sub-assemblies (ESA's) which are manufactured after the date of publication of this International Standard. It specifies additional EMC requirements under aspect of functional safety for machinery, ESA and separate ESAs. This International Standard is only relevant for functions of machine control system failures which when risk assessed to ISO 25119 (or the equivalent when other electronic functional safety standards are used), are greater than or equal to AgPLr b (or the equivalent). Machinery utilizing systems not complying ISO 25119 (or the equivalent), need not test to this part of ISO 14982. Electrical and electronic components or separate ESAs intended to be used in the applicable machinery control functions are also dealt with by this International Standard. The following electromagnetic disturbance phenomena are evaluated: - radiated electromagnetic field by off-board sources with various field strength and frequency; - radiated electromagnetic field by portable transmitters (antenna inside/outside) with various field strength and frequency; - electrical field (wire conducted electrical fields); - electrostatic discharge. This International Standard is not applicable to machines directly supplied with low voltage current from public electrical mains.

Keel: en
Alusdokumendid: ISO/DIS 14982-2; prEN ISO 14982-2
Asendab dokumenti: EVS-EN ISO 14982:2009

Arvamusküsitluse lõppkuupäev: 15.07.2021

71 KEEMILINE TEHNOLOOGIA

prEN 351-1

Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

This part of EN 351 establishes a classification of preservative-treated wood in terms of preservative penetration and gives guidance on a classification of retention. These shall be used as a basis for specifying preservative treatments for particular products. This part of EN 351 provides terminology to be used by the specifier when preparing a preservative treatment specification or product standard. It is not a treatment specification in itself. This part of EN 351 is applicable to the production of preservative-treated solid wood, including glued laminated timber, suitable for use in those service conditions defined by the use classes in EN 335. It does not apply to any subsequent examination of treated wood in service. This part of EN 351 is applicable to the protection of wood against attack by wood-destroying and wood-disfiguring fungi, insects and marine organisms. NOTE Protection against wood-disfiguring fungi is an optional property verified by testing in accordance with EN 599-1. This part of EN 351 does not consider other properties of treated wood, for example odour, compatibility with other materials, such as corrosivity of fasteners. Nor does it consider any properties from the health, safety and environmental point of view. This part of EN 351 does not apply to wood to be treated with formulations which are applied to timber in service to eliminate or control an existing fungal or insect infestation, or the prevention of attack by sapstain fungi, or insects in green timber. Annex A (informatives) provides a decision process for defining preservative treatment requirements. Annex B (informative) gives an example of the marking system.

Keel: en
Alusdokumendid: prEN 351-1
Asendab dokumenti: EVS-EN 351-1:2007

Arvamusküsitluse lõppkuupäev: 15.06.2021

prEN 351-2

Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

This part of EN 351 gives guidance on the general procedures to be used in obtaining samples of preservative-treated wood for the determination of penetration and retention of wood preservative. It also gives guidance on how to measure the penetration and retention of a wood preservative in the treated wood. This part of EN 351 is applicable to the production of preservative-treated solid wood, including glued laminated timber, suitable for use in those service conditions defined by the use classes in EN 335. This part of EN 351 is not applicable to preservative-treated wood in service. However, the sampling guidance provided within this part of EN 351 may be applied for the subsequent examination of treated wood in service. Annex A (informative) provide a selection of number of sampling units. Annex B (informative) provides examples of retention measurements.

Keel: en
Alusdokumendid: prEN 351-2
Asendab dokumenti: EVS-EN 351-2:2007

Arvamusküsitluse lõppkuupäev: 15.06.2021

73 MÄENDUS JA MAAVARAD

prEN 1467
Natural stone - Rough blocks - Requirements

This document specifies requirements for rough blocks of natural stone from which products for use in building or commemorative stones and other similar applications are made. It does not cover artificially agglomerated stony material nor installation.

Keel: en
Alusdokumendid: prEN 1467
Asendab dokumenti: EVS-EN 1467:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 1468
Natural stone - Rough slabs - Requirements

This document specifies requirements for rough slabs of natural stone from which products for use in buildings or commemorative stones and other similar applications are made. It does not cover artificially agglomerated stony material nor installation.

Keel: en
Alusdokumendid: prEN 1468
Asendab dokumenti: EVS-EN 1468:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

75 NAFTA JA NAFTATEHNOLOOGIA

prEN ISO 3421
Petroleum and natural gas industries - Drilling and production equipment - Offshore conductor design, setting depth, and installation (ISO/DIS 3421:2021)

This document gives requirements for the design, setting depth and installation of conductors used by the offshore petroleum and natural gas industries. This document covers: - design of the conductor, i.e. determination of the diameter, wall thickness, and steel grade; - determination of the setting depth for three installation methods, namely, driving, drilling/cementing, and jetting; - installation requirements for the installation methods, i.e. selection principles, operating procedures and parameters. This document is applicable to: - Platform conductors: installed through a guide hole in the platform drill floor and then through guides attached to the jacket at appropriate intervals through the water column to support the conductor withstand metocean actions and prevent excessive displacements. - Jack-up supported conductors: a temporary conductor used only during drilling operations, which is installed by a jack-up drilling rig. In some cases, the conductor is tensioned by tensioners attached to the drilling rig. - Free-standing conductors: a self-supporting caisson in cantilever mode installed in shallow water, typically depths of about 10 m to 20 m. It provides sole support for the well and sometimes supports a small access deck and boat landing. - Subsea wellhead conductors: a fully submerged conductor extending only a few metres above the seafloor. This document does not apply to drilling risers.

Keel: en
Alusdokumendid: ISO/DIS 3421; prEN ISO 3421

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 6368
Petroleum, petrochemical and natural gas industries - Dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders (ISO/DIS 6368:2021)

This document is applicable to dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders as described in ISO 10439 (all parts), ISO 10440-1 and ISO 10440-2. Although intended for use primarily in oil refineries, it is also applicable to petrochemical facilities, gas plants, liquefied natural gas (LNG) facilities and oil and gas production facilities. The information provided is designed to aid in the selection of the system that is most appropriate for the risks and circumstances involved in various installations. This document does not apply to other types of shaft seals such as clearance seals, restrictive ring seals or oil seals. This document is a supplement to API Std 692, 1st edition (2018), the requirements of which are applicable with the exceptions specified in this document.

Keel: en
Alusdokumendid: ISO/DIS 6368; prEN ISO 6368
Asendab dokumenti: EVS-EN ISO 10438-4:2008

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEVS-ISO 1928-MOD
Kivisüsi ja koks. Küttevääртuse määramine
Coal and coke - Determination of gross calorific value (ISO 1928:2020, modified)

See rahvusvaheline standard käsitleb meetodit mineraalsete kütuste ülemise küttevääртuse määramiseks konstantse ruumala ja referentstemperatuuri 25 °C juures kalorimeetrilises põletusanumas, mis on kalibreeritud sertifitseeritud bensoehappe põletamisega. Saadud tulemus on analüüsitava proovi ülemine küttevääртus konstantsel ruumalal koos kõigi põlemisproduktide

veega vedela vee kujul. Praktikas on kütus põletatud konstantsel (atmosfääri) rõhul ja vesi ei kondenseeru, vaid eraldub auruna koos suitsugaasidega. Nendes tingimustes on tegelik põlemise soojus kütuse ülemine küttevääртus konstantsel rõhul. Võib kasutada ka ülemist küttevääртust konstantse ruumala juures, võrrandid on antud mõlema väärtuse arvutamise jaoks. Üldised põhimõtted ja kalibreerimisprotseduurid ning kütuste testid on esitatud põhitekstis, samal ajal kui eri tüüpi kalorimeetrilise aparatuuri kasutamisse puutuv on kirjeldatud lisades A kuni C. Lisa D sisaldab loendeid kirjeldatud kalorimeetrite tüüpidel kalibreerimise ja kütuste testimise läbiviimiseks. Lisa E annab näiteid mõnede arvutuste illustreerimiseks. Lisa F käsitleb kalorimeetriliste põletusanumate ohutut kasutamist, hooldust ja testimist. MÄRKUS Märksõnad: tahked kütused, süsi, koks, [MOD] põlevkivi [MOD], testid, määramine, küttevääртus, arvutusmeetodid, kalorimeetria.

Keel: en
Alusdokumendid: ISO 1928:2020
Asendab dokumenti: EVS-ISO 1928:2016

Arvamusküsitluse lõppkuupäev: 15.07.2021

79 PUIDUTEHNOLOOGIA

prEN 351-1

Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

This part of EN 351 establishes a classification of preservative-treated wood in terms of preservative penetration and gives guidance on a classification of retention. These shall be used as a basis for specifying preservative treatments for particular products. This part of EN 351 provides terminology to be used by the specifier when preparing a preservative treatment specification or product standard. It is not a treatment specification in itself. This part of EN 351 is applicable to the production of preservative-treated solid wood, including glued laminated timber, suitable for use in those service conditions defined by the use classes in EN 335. It does not apply to any subsequent examination of treated wood in service. This part of EN 351 is applicable to the protection of wood against attack by wood-destroying and wood-disfiguring fungi, insects and marine organisms. NOTE Protection against wood-disfiguring fungi is an optional property verified by testing in accordance with EN 599-1. This part of EN 351 does not consider other properties of treated wood, for example odour, compatibility with other materials, such as corrosivity of fasteners. Nor does it consider any properties from the health, safety and environmental point of view. This part of EN 351 does not apply to wood to be treated with formulations which are applied to timber in service to eliminate or control an existing fungal or insect infestation, or the prevention of attack by sapstain fungi, or insects in green timber. Annex A (informatives) provides a decision process for defining preservative treatment requirements. Annex B (informative) gives an example of the marking system.

Keel: en
Alusdokumendid: prEN 351-1
Asendab dokumenti: EVS-EN 351-1:2007

Arvamusküsitluse lõppkuupäev: 15.06.2021

prEN 351-2

Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

This part of EN 351 gives guidance on the general procedures to be used in obtaining samples of preservative-treated wood for the determination of penetration and retention of wood preservative. It also gives guidance on how to measure the penetration and retention of a wood preservative in the treated wood. This part of EN 351 is applicable to the production of preservative-treated solid wood, including glued laminated timber, suitable for use in those service conditions defined by the use classes in EN 335. This part of EN 351 is not applicable to preservative-treated wood in service. However, the sampling guidance provided within this part of EN 351 may be applied for the subsequent examination of treated wood in service. Annex A (informative) provide a selection of number of sampling units. Annex B (informative) provides examples of retention measurements.

Keel: en
Alusdokumendid: prEN 351-2
Asendab dokumenti: EVS-EN 351-2:2007

Arvamusküsitluse lõppkuupäev: 15.06.2021

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 13885-1

Gel permeation chromatography (GPC) - Part 1: Tetrahydrofuran (THF) as eluent (ISO 13885-1:2020)

This document specifies the determination of the molar-mass distribution and the average molar mass values Mn (number average) and Mw (weight average) of polymers that are soluble in tetrahydrofuran (THF) by gel permeation chromatography (GPC). NOTE Also known as size exclusion chromatography (SEC). Even though the chromatograms obtained show good repeatability, it is possible that this method cannot be used with certain polymer types because of specific interactions (e.g. adsorption) within the sample/eluent/column system. The conditions specified in this document are not applicable to the GPC analysis of polymer samples with Mw values greater than 106 g/mol and/or of polymers with elution limits outside the calibration range (see 7.6 and Annex C). This document includes no correction method (e.g. for the elimination of peak broadening. If absolute molar-mass values are required, an absolute method (e.g. membrane osmometry for Mn or light scattering for Mw) can be used.

Keel: en

Alusdokumendid: ISO 13885-1:2020; prEN ISO 13885-1

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 13885-2

Gel permeation chromatography (GPC) - Part 2: N,N-Dimenthylacetamide (DMAC) as eluent (ISO 13885-2:2020)

This document specifies the determination of the molar-mass distribution and the average molar mass values Mn (number average) and Mw (weight average) of polymers that are soluble in DMAC (N,N-Dimethylacetamide) by gel permeation chromatography (GPC). NOTE Also known as size exclusion chromatography (SEC). Even though the chromatograms obtained show good repeatability, it is possible that this method cannot be used with certain polymer types because of specific interactions (e.g. adsorption) within the sample/eluent/column system. The conditions specified in this document are not applicable to the GPC analysis of polymer samples with Mw values greater than 106 g/mol and/or polymers with elution limits outside the calibration range (see 7.6 and Annex C). This document includes no correction method (e.g. for the elimination of peak broadening). If absolute molar mass values are required, an absolute method (e.g. membrane osmometry for Mn or light scattering for Mw) can be used.

Keel: en
Alusdokumendid: ISO 13885-2:2020; prEN ISO 13885-2

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 13885-3

Gel permeation chromatography (GPC) - Part 3: Water as eluent (ISO 13885-3:2020)

This document specifies the determination of the molar-mass distribution and the average molar mass values Mn (number average) and Mw (weight average) of polymers that are soluble in water by gel permeation chromatography (GPC). NOTE Also known as size exclusion chromatography (SEC). This method is applicable to neutral polymers and polyanions (e.g. polycarboxylates, polysaccharides, fully hydrolyzed polyvinyl alcohols and high-molecular polyethylene oxides). It is not applicable to polycations [e.g. polyvinylpyrrolidone, polyvinylpyridine, salts of poly(diallyl N,N dimethyl azacyclopentane), chitosan]. Despite good solubility in the mobile phase and even though the chromatograms obtained show good repeatability, it is possible that this method cannot be used with certain polymer types because of specific interactions (e.g. adsorption) within the sample/eluent/column system (see also Clause 12). The conditions specified in this document are not applicable to the GPC analysis of polymer samples with Mw values greater than 106 g/mol and/or polymers with elution limits outside the calibration range (see 7.6 and Annex C). This document includes no correction methods (e.g. for the elimination of peak broadening). If absolute molar mass values are required, an absolute method (e.g. membrane osmometry for Mn or light scattering for Mw) can be used.

Keel: en
Alusdokumendid: ISO 13885-3:2020; prEN ISO 13885-3

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 22553-11

Paints and varnishes - Electro-deposition coatings - Part 11: Bath stability (ISO 22553-11:2020)

This document specifies a method for assessing the bath stability of electro-deposition coatings used for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-11:2020; prEN ISO 22553-11

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 22553-12

Paints and varnishes - Electro-deposition coatings - Part 12: Sedimentation on horizontal areas (ISO 22553-12:2020)

This document specifies a method for assessing the sedimentation of electro-deposition coating materials on horizontal surfaces used for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-12:2020; prEN ISO 22553-12

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 22553-7

Paints and varnishes - Electro-deposition coatings - Part 7: Electrical wet-film resistance (ISO 22553-7:2020)

This document specifies a method for determining the wet-film resistivity of an electro-deposition coating (e coat) for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-7:2020; prEN ISO 22553-7

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 22553-8

Paints and varnishes - Electro-deposition coatings - Part 8: Electric charge density (ISO 22553-8:2020)

This document specifies a method for determining the electric charge density of an electro-deposition coating (e coat) for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-8:2020; prEN ISO 22553-8

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 22553-9

Paints and varnishes - Electro-deposition coatings - Part 9: Stoving loss (ISO 22553-9:2020)

This document specifies a method for determining the volatile-matter content of electro-deposition coatings (e-coats) during stoving (stoving loss) used for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-9:2020; prEN ISO 22553-9

Arvamusküsitluse lõppkuupäev: 15.07.2021

91 EHITUSMATERJALID JA EHITUS

prEN 14488-3

Testing sprayed concrete - Part 3: Flexural strengths (first peak, ultimate and residual) of fibre reinforced beam specimens

This part of European Standard specifies a method for the determination of the flexural (first peak, ultimate and residual) strength of specimens of hardened sprayed concrete.

Keel: en
Alusdokumendid: prEN 14488-3
Asendab dokumenti: EVS-EN 14488-3:2006

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 1467

Natural stone - Rough blocks - Requirements

This document specifies requirements for rough blocks of natural stone from which products for use in building or commemorative stones and other similar applications are made. It does not cover artificially agglomerated stony material nor installation.

Keel: en
Alusdokumendid: prEN 1467
Asendab dokumenti: EVS-EN 1467:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 1468

Natural stone - Rough slabs - Requirements

This document specifies requirements for rough slabs of natural stone from which products for use in buildings or commemorative stones and other similar applications are made. It does not cover artificially agglomerated stony material nor installation.

Keel: en
Alusdokumendid: prEN 1468
Asendab dokumenti: EVS-EN 1468:2012

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 15780

Ventilation for buildings - Ductwork - Cleanliness of ventilation systems

This European Standard applies to both new and existing ventilation and air conditioning systems and specifies the assessment criteria of cleanliness, cleaning procedures of these systems, and the validation of the effectiveness of cleaning applies also to products, which conform to EN 1505, EN 1506, EN 13053, EN 13180 and EN 13403, used in air conditioning and ventilation systems for human occupancy defined in the scope of CEN/TC 156. This European Standard does not apply to installations for industrial processes. Cleanliness of ventilation systems is considered important for human comfort and health, energy consumption, system service life and for cleanliness of operations or processes carried out in the ventilated area. Considerations for change of component as an alternative for cleaning (e.g. in case of flexible ducts and air filters) are also included. This European Standard specifies general requirements and procedures necessary in assessing and maintaining the cleanliness of ducted ventilation, including: - cleanliness quality classification; - how to assess the need for cleaning (visual, measurements); - assessment frequency (general guidance); guidance of system inspections in accordance with EN 15239,

and EN 15240 when relevant; - selection of cleaning method – to be in line with handing over documentation according to EN 12599; - how to assess the result of cleaning. This European Standard is a parallel standard to EN 12097, which specifies requirements for dimension, shape and location for access panels for cleaning and service in ductwork systems. This European Standard is made as an umbrella standard with informative annexes that can be revised, completed and further added in future revisions of this European Standard for specific system types, and products or applications in the system, such as: - Air Handling Units (AHU); - filter; - humidifiers; - heat recovery units; - decentralised air treatment units such as fan-coil units.

Keel: en
Alusdokumendid: prEN 15780
Asendab dokumenti: EVS-EN 15780:2011

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-1

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 1: Durability of self-closing of hinged and pivoted steel doorsets

This document covers single and double leaf, hinged and pivoted, steel based doorsets as covered by EN 15269-2 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability of self-closing test(s) conducted in accordance with EN 1191. Subject to the completion of the appropriate self-closing test(s), the extended application can cover all or some of the following non-exhaustive list — door leaf; — side, transom and/or overpanels; — ventilation grilles and/or louvres; — wall/ceiling fixed elements (frame/suspension system); — glazing for door leaf, side, transom and flush over panels; — items of building hardware; — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-1

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-2

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 2: Durability of self-closing of steel rolling shutters

This document covers steel rolling shutters as covered by EN 15269-10 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability self-closing test(s) conducted in accordance with EN 16034. Subject to the completion of the appropriate self-closing test or tests, the extended application could cover all or some of the following non-exhaustive list: — shutter curtain; — wall/ceiling fixed elements (frame/suspension system); — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-2

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17020-3

Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows - Part 3: Durability of self-closing of steel sliding doorsets

This document is applicable to the following types of steel based doorsets: horizontally sliding doorsets (single and double), telescopic doorsets (single and double) and single vertically sliding doorsets as covered by EN 15269-7 or EN 15269-20. This document prescribes the methodology for extending the application of test results obtained from durability of self-closing test(s) conducted in accordance with EN 12605:2017+A1:2020 or EN 1191. Subject to the completion of the appropriate self-closing test(s), the extended application can cover all or some of the following non-exhaustive list: — door leaf; — pass doors; — wall/ceiling fixed elements (frame/suspension system); — ventilation grilles and/or louvres; — glazing for door leaf; — items of building hardware; — decorative finishes; — intumescent, smoke, draught or acoustic seals; — alternative supporting construction(s).

Keel: en
Alusdokumendid: prEN 17020-3

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 17662

Execution of steel structures and aluminium structures - Environmental Product Declarations - Product category rules complementary to EN 15804 for Steel, Iron and Aluminium structural products for use in construction works.

This European standard provides product category rules (c-PCR), that are complementary to EN 15804, for Type III environmental declarations for steel components and aluminium components fabricated from steel or aluminium constituent products to be used for structural purposes in buildings and civil engineering works where their characteristic affects the mechanical resistance and stability of these construction works or parts thereof, where there does not exist a more specific specification for the product. This standard also provides guidance for other metal construction products where a specific PCR as EN standard does not exist.

Keel: en
Alusdokumendid: prEN 17662

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN 50470-3

Electricity metering equipment (AC) - Part 3: Particular requirements - Static meters for active energy (class indexes A, B and C)

This document applies only to static watt-hour meters of accuracy classes A, B and C for the measurement of alternating current electrical active energy in 50 Hz or 60 Hz networks and it applies to their type tests only. NOTE 1 For general requirements, such as construction, EMC, safety, dependability etc., see the relevant EN 62052 series or EN 62059 series. This document applies to electricity metering equipment designed to: — measure and control electrical energy on electrical networks (mains) with voltage up to 1 000 V AC; NOTE 2 For AC electricity meters, the voltage mentioned above is the line-to-neutral voltage derived from nominal voltages. See EN 62052-31:2016, Table 7. — have all functional elements, including add-on modules, enclosed in, or forming a single meter case with exception of indicating displays; — operate with integrated or detached indicating displays; — be installed in a specified matching sockets or racks; — optionally, provide additional functions other than those for measurement of electrical energy. Meters designed for operation with low power instrument transformers (LPITs as defined in the IEC 61869 series) can be tested for compliance with this document only if such meters and their LPITs are tested together and meet the requirements for directly connected meters. NOTE 3 Modern electricity meters typically contain additional functions such as measurement of voltage magnitude, current magnitude, power, frequency, power factor, etc.; measurement of power quality parameters; load control functions; delivery, time, test, accounting, recording functions; data communication interfaces and associated data security functions. The relevant standards for these functions could apply in addition to the requirements of this document. However, the requirements for such functions are outside the scope of this document. NOTE 4 Product requirements for power metering and monitoring devices (PMDs) and measurement functions such as voltage magnitude, current magnitude, power, frequency, etc., are covered in EN 61557-12. However, devices compliant with EN 61557-12 are not intended to be used as billing meters unless they are also compliant with the EN IEC 62052-11:2021 and prEN 50470-3:2021 standards. NOTE 5 Product requirements for power quality instruments (PQIs) are covered in EN 62586-1. Requirements for power quality measurement techniques (functions) are covered in EN 61000-4-30. Requirements for testing of the power quality measurement functions are covered in EN 62586-2. This document does not apply to: — meters for which the voltage line-to-neutral derived from nominal voltages exceeds 1 000 V AC; — meters intended for connection with low power instrument transformers (LPITs as defined in the EN 61869 series) when tested without such transformers; — metering systems comprising multiple devices (except of LPITs) physically remote from one another; — portable meters; NOTE 6 Portable meters are meters that are not permanently connected. — meters used in rolling stock, vehicles, ships and airplanes; — laboratory and meter test equipment — reference standard meters; — data interfaces to the register of the meter; — matching sockets or racks used for installation of electricity metering equipment; — any additional functions provided in electrical energy meters. This document does not cover measures for the detection and prevention of fraudulent attempts to compromise meter's performance (tampering). NOTE 7 Nevertheless, specific tampering detection and prevention requirements, and test methods, as relevant for a particular market are subject to the agreement between the manufacturer and the purchaser. NOTE 8 Specifying requirements and test methods for fraud detection and prevention would be counterproductive, as such specifications would provide guidance for potential fraudsters. NOTE 9 There are many types of meter tampering reported from various markets; therefore, designing meters to detect and prevent all types of tampering could lead to unjustified increase in costs of meter design, verification and validation. NOTE 10 Billing systems, such as, smart metering systems, are capable of detecting irregular consumption patterns and irregular network losses which enable discovery of suspected meter tampering. NOTE 11 For transformer operated meters paired with current transformers (CTs) according EN 61869-2: the standard CT measuring range is specified from 0,05 In to I max for accuracy classes 0,1, 0,2, 0,5 and 1 and these CTs are used for meters of class C, B and A according to this document. NOTE 12 This document does not specify emission requirements, these are specified in EN IEC 62052-11:2021, 9.3.14.

Keel: en
Alusdokumendid: prEN 50470-3
Asendab dokumenti: EVS-EN 50470-3:2007
Asendab dokumenti: EVS-EN 50470-3:2007/A1:2019
Asendab dokumenti: EVS-EN 50470-3:2007+A1:2019

Arvamusküsitluse lõppkuupäev: 15.07.2021

prEN ISO 10121-3

Test methods for assessing the performance of gas-phase air cleaning media and devices for general ventilation - Part 3: Classification system for GPACDs applied to treatment of outdoor air (ISO/DIS 10121-3:2021)

This part of ISO 10121 establishes a classification system for GPACD's supplying make-up air to general ventilation systems using outdoor air polluted by local urban sources and/or long-distance pollution. The classification system is intended to aid in assessing molecular pollution besides the particulate pollution dealt with by ISO 16890-1.

Keel: en
Alusdokumendid: ISO/DIS 10121-3; prEN ISO 10121-3

Arvamusküsitluse lõppkuupäev: 15.07.2021

97 OLME. MEELELAHUTUS. SPORT

prEN ISO 23659

Sports and recreational facilities - Trampoline parks - Safety requirements (ISO/DIS 23659:2021)

This European Standard applies to trampoline parks and their components. This European Standard specifies safety requirements for the design, construction, inspection and maintenance of trampoline parks and their components. This European Standard also specifies minimum operational requirements to ensure an appropriate level of safety and service when used for recreational, training, educational or therapeutic purposes. This European Standard does not apply to -trampolines defined as gymnastic equipment according to EN 13219:2001, -trampolines for domestic use according to EN 7114:2014+A1:2017, and -children's playgrounds (see EN 1176 all parts).

Keel: en
Alusdokumendid: ISO/DIS 23659; prEN ISO 23659

Arvamusküsitluse lõppkuupäev: 15.07.2021

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.

EN ISO 13485:2016/prA1

Meditsiiniseadmed. Kvaliteedijuhtimissüsteemid. Normatiivsed nõuded

Standardi EN ISO 13485:2016 muudatus

Keel: et
Alusdokumendid: EN ISO 13485:2016/prA1

Kommenteerimise lõppkuupäev: 15.06.2021

EVS-EN 14654-3:2021

Äravoolu- ja kanalisatsioonisüsteemid väljaspool hooneid. Käitustegevuste haldamine ja kontroll. Osa 3: Puhastamine

Käesoleva dokumendiga kehtestatakse nõuded väljaspool hooneid asuvate äravoolu- ja kanalisatsioonisüsteemide tegevuse juhtimisele ja kontrollile ning täpsustatakse tööprogrammide väljatöötamise ja rakendamise ning tehnikate valiku nõudeid. Käesolev dokument hõlmab äravoolu ja kanalisatsiooni puhastamise haldamist ja kontrolli. Seda kohaldatakse kanalisatsioonisüsteemide suhtes alates punktist, kus reovesi väljub hoonest, katuse äravoolusüsteemist või sillutatud alalt, kuni punktini, kus see juhitakse reoveepuhastisse või vett vastuvõtvasse veekogusse. Siia kuuluvad hoonete all asuvad äravoolutorud ja kanalisatsioon, tingimusel et need ei kuulu hoone drenaažisüsteemi.

Keel: et
Alusdokumendid: EN 14654-3:2021

Kommenteerimise lõppkuupäev: 15.06.2021

prEN 12390-1

Kivistunud betooni katsetamine. Osa 1: Kuju, mõõtmed ja muud katsekehadele ja vormidele esitatavad nõuded

See dokument esitab betoonist vormitud kuubi-, silindri- ja prismakujuliste katsekehade ja nende valmistamisel kasutatavate vormide kuju, mõõtmed ja tolerantsid. MÄRKUS Selles dokumendis kindlaks määratud tolerantsid tulenevad tugevuskatse vajadustest, kuid neid võib kasutada ka teiste omaduste katsetamisel.

Keel: et
Alusdokumendid: prEN 12390-1

Kommenteerimise lõppkuupäev: 15.06.2021

prEN 1627

Uksed, aknad, rippfassaadid, võred ja luugid. Sissemurdmiskindlus. Nõuded ja klassifikatsioon

Selles dokumendis kirjeldatakse nõudeid sissemurdmist tõkestavatele käiguustele, akendele, rippfassaadidele, võredele ja luukidele ning nende klassifikatsiooni. Standard on kasutatav järgmiste avamisviiside puhul: pööramine, kallutamine, voltimine, pöördkallutamine, ümber kesktelje pöörlemine, lükkamine (horisontaalselt ja vertikaalselt) pööramine ümber (horisontaalse ja vertikaalse) telje, väljapööramine ja rullimine, ning samuti mitteavatavate konstruktsioonide puhul. Käsitlusalasse kuuluvad ka tooted, mis sisaldavad selliseid elemente nagu pilud kirjade jaoks või ventilatsioonivõred. Esitatakse nõuded ehitustoote sissemurdmiskindlusele (nagu määratletud selle dokumendi jaotises 3.1). MÄRKUS 1 Rippfassaadielemendid loetakse kuuluvaks gruppi 1 kuni 4, olenevalt nende kujundusest. Selles standardis ei käsitleta lukkude ja lukusüdamike vastupidavust muukraudadega (with picking tools) toimuva ründe suhtes. Sulused on ülalnimetatud toodete komponendid ja neid ei saa selle dokumendi kohaselt sellistena klassifitseerida. See dokument ei käsitle seinu ja katuseid, samuti uksi, väravaid ja tõkkeid, mis on ette nähtud paigaldamiseks isikute teenindamise piirkonnas ja mille peamine kasutusala on kaupade ja sõidukite (millega sõidab kaasa või mida juhib isik) turvalise juurdepääsu kindlustamine tööstus-, kommerts- ja eluhoonetes, nagu käsitletakse standardis EN 13241-1:2003+A2:2016. NOTE 2 On tähtis, et konstruktsioonid, millest on võimalik sõidukitega läbi sõita, tuleb kindlustada vastavate abinõudega, nagu tõkked, liigutatavad rambid jne. Nõuded elektroonilisele turvasüsteemile (nt juurdepääsu ohjesüsteemile) elektromehaaniliste lukkude ja vasturaudade ohjamiseks vastavalt standardile EN 14846, ei kuulu käesoleva dokumendi käsitlusalasse. MÄRKUS 3 Standardi EN 14846:2008 kohased lukud ja vasturauad vajavad volitatud ja turvaliseks juurdepääsuks juurdepääsu kontrollsüsteemi (võrreldav lukusüdamikuga). Samuti tuleb arvestada signaali edastamisega luku ja juurdepääsu kontrollsüsteemi vahel (nt juhtmestik). (Signaal edastatakse krüpteeritud kujul või ei ole ligipääsetav manuaalse ründe ajal). Selle dokumendi tulevased versioonid võivad sellist viidet sisaldada.

Keel: et
Alusdokumendid: prEN 1627

Kommenteerimise lõppkuupäev: 15.06.2021

prEN 1629

Uksed, aknad, rippfassaadid, võred ja luugid. Sissemurdmiskindlus. Katsemeetod vastupidavuse määramiseks dünaamilisele koormusele

See dokument spetsifitseerib katsemeetodi vastupidavuse määramiseks dünaamilisele koormusele, mida kasutatakse käiguuksekomplektide, akende, rippfassaadide, võrede ja luukide sissemurdmiskindluse hindamisel. Standard on kasutatav järgmiste avamisviiside korral: pööramine küljelt, kallutamine, voltimine, pöördkallutamine, pööramine ülevalt või alt, lükkamine (horisontaalselt ja vertikaalselt), pööramine ümber (horisontaalse või vertikaalse) telje, väljapööramine (projecting) ja rullimine, ning samuti mitteavatavate konstruktsioonide puhul. Tunnistatakse, et ehitustoodete sissemurdmiskindluse toimivusel on kaks aspekti, nende normaalne vastupidavus füüsilisele jõule ja võime jääda hoonele kinnitatuks. Käesolev katsemeetod hoonesse kinnitumist ei hinda. Juhendid toote kinnitamiseks on esitatud tootja paigaldusjuhendis. Tootja paigaldusjuhendi sisu näide on antud standardi EN 1627:2021 lisas A. See dokument ei käsitle seinu ja katuseid, samuti uksi, väravaid ja tõkkeid, mis on ette nähtud paigaldamiseks isikute teenindamise piirkonnas ja mille peamine kasutusala on kaupade ja sõidukite (millega sõidab kaasa või mida juhib isik) turvalise juurdepääsu kindlustamine tööstus, kommerts- ja eluhoonetes, nagu käsitletakse standardis EN 13241-1:2003+A2:2016. MÄRKUS On oluline, et sõidukitele juurde- või läbipääsetavad ehitustooted oleksid kaitstud asjakohaste abinõudega, nagu tõkked, teisaldatavad rambid jne.

Keel: et
Alusdokumendid: prEN 1629

Kommenteerimise lõppkuupäev: 15.06.2021

prEN ISO 15614-12

Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine. Keevituse protseduuri katse. Osa 12: Punkt-, joon- ja projektsioonkeevitus

See ISO 15614 osa määratleb katsetused, mida võib kasutada keevitusprotseduuri spetsifikaatide kvalifitseerimisel punkt-, joon- ja projektsioonkeevituseprotsesside korral. See rahvusvaheline standard on osa ISO 15614 sarjast. See sari on detailselt toodud ISO 15607 lisas A. See ISO 15614 osa defineerib tingimused katsete teostamiseks ja keevitusprotseduuride kehtivuse ulatuse määratlemiseks kõigile praktilistele operatsioonidele, mida katab ISO 15614 see osa. Protseduuri kvalifitseerimiseks vajalikud katsed, mis sõltuvad spetsiifilise komponendi/koostu toimivuse ja kvaliteedi nõuetest, peavad olema määratud kindlaks enne kvalifitseerimise toimumist. Katsetused peavad olema läbi viidud vastavuses ISO 15614 selle osaga, kui kohalduva rakendusstandardiga või rakenduva lepinguga ei ole määratud rangemaid katseid. Heakskiit, rakendamaks ISO 15614 selle osa põhimõtteid teiste takistuskeevituse protsesside korral, peaks olema sätestatud enne igat kvalifitseerimise toimumist. MÄRKUS Erikasutusala, materjal või tootmistingimused võivad nõuda laiahaardelisemat katsetamist kui määratletud selles dokumendid. Sellised katsed võivad hõlmata: — punktkeevisliidete väsimuskatsemeetodit; — keha mõõtmed ja protseduurid löök-, lõike- ja risti-tõmbekatseteks punkt- ja projektsioonkeevistele; — paindekatset; — pinnapragude tuvastamist; — ultraheli- ja röntgenkatset; — keemilisi analüüse ja korrosioonikatseid; — mikrostruktuuri analüüsi, sisaldades kuumpragude hindamist; — keevitatud komponentide või lõppkoostude katsetusi. See ISO 15614 osa käsitleb järgmisi takistuskeevituse protsesse, nagu määratletud standardis ISO 4063: — 21 – punktkontaktkeevitus; — 211 – kaudpunktkeevitus (ingl indirect spot welding); — 212 – otsepunktkeevitus (ingl direct spot welding); — 22 – joonkontaktkeevitus; — 221 – katteliide joonkeevitus (ingl lap seam welding); — 222 – deformatsioon joonkeevitus (ingl mash seam welding); — 225 – foolium põkk-joonkeevitus (ingl foil butt-seam welding); — 226 – joonkeevitus ribana (ingl seam welding with strip); — 23 – projektsioonkeevitus; — 231 – kaud-projektsioonkeevitus (ingl indirect projecton welding); — 232 – otseprojektsioonkeevitus (ingl direct projecton welding).

Keel: et
Alusdokumendid: ISO/DIS 15614-12; prEN ISO 15614-12

Kommenteerimise lõppkuupäev: 15.06.2021

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.

ÜLEVAATUSKÜSITLUS

EVS-ISO 8909-1:2001

Saagikoristusmasinad. Rohusöödakoristid. Osa 1: Sõnavara
Equipment for harvesting - Forage harvesters - Part 1: Vocabulary

Standardi käesolev osa täpsustab rohusöödakoristite ja nende koostiosadega seotud terminid ja määratlused. Koos standardiga ISO 8909-2, mis käsitleb karakteristkute mõõtmismeetodeid ja terminitega talitlusnõudeid, määratleb ISO 8909 käesolev osa mõõtmeid ja teisi karakteristikuid selleks, et masinate tööd paremini võrrelda ning inseneride ja teadurite omavahelist suhtlust lihtsustada.

Ülevaatusküsitluse lõppkuupäev: 15.06.2021

EVS-ISO 8909-2:2001

Saagikoristusmasinad. Rohusöödakoristid. Osa 2: Karakteristikute ja tootlikkuse määramine
Equipment for harvesting - Forage harvesters - Part 2: Specification of characteristics and performance

Standardi käesolev osa täpsustab standardis ISO 8909-1 määratletud söödakoristi ja selle tööosade mõõtmete ning suutlikkuse hindamise meetodeid ja nõudeid. See võimaldab võrrelda ka söödakoristi suutlikkust võrdluskatse kaudu.

Ülevaatusküsitluse lõppkuupäev: 15.06.2021

EVS-ISO 8909-3:2001

Saagikoristusmasinad. Rohusöödakoristid. Osa 3: Katsemeetodid
Equipment for harvesting - Forage harvesters - Part 3: Test methods

Standardi ISO 8909 käesolev osa täpsustab katsemeetodid rohusöödakoristi töötamise ja suutlikkuse hindamiseks, hõlmates masinad, mis koristavad saagi laus- või reas-niitmisega (-lõikamisega) või koguvad eelnevalt mahalõigatud saagi. See kehtib aktiivnugadega rohusöödakoristitele, mis hekseldavad saagi ja toimetavad selle punkrisse, konteinerisse, eraldi veokile või haagisele. Need koristid võivad olla traktorile paigaldatavad, traktoriga veetavad (haake- ja poolripp-) või liikurmasinad.

Ülevaatusküsitluse lõppkuupäev: 15.06.2021

PIKENDAMISKÜSITLUS

EVS 876:2016

Kontonumbrid
Bank account numbers

See Eesti standard rakendub kõigile makseteenuse pakkujatele ja nende filiaalidele, kelle juriidiline tegevuskoht on Eesti Vabariik. Selles Eesti standardis kirjeldatakse Eesti kontonumbri struktuuri, kasutatavaid makseteenuse pakkujate tunnuskoode, kontrolljärkude arvutamise algoritmi, esituskuju ja kasutusreegleid.

Pikendamisküsitluse lõppkuupäev: 15.06.2021

EVS 928:2016

Ehitusinformatsiooni modelleerimise (BIM) terminid
Building Information Modelling (BIM) terminology

Selles Eesti standardis kirjeldatakse/määratletakse enim levinud ehitusinformatsiooni modelleerimise (BIM) terminid ning akronüümid. Seda Eesti standardit on võimalik rakendada kõikidele BIM-i projektidele.

Pikendamisküsitluse lõppkuupäev: 15.06.2021

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 892:2007

Hajusallikate heitkoguste mõõtmine. Põhimõtted
Determination of diffusive emissions by measurements – Basic concepts

Käesolevas standardis käsitletakse hajusallikate heitkoguste mõõtmise põhimõtteid ja meetodeid. Kuna hajusallikate puhul heitgaasi voog ei liigu torus, ei saa seda mõõta punktsaasteallikate heitkoguste määramise standardite alusel. Käesolevas standardis kirjeldatud hajusallikate heitkoguste mõõtmine põhineb ainekontsentratsioonide ja meteoroloogiliste parameetrite määramisel ning vajadusel arvutusmudelite kasutamisel. Mõõtmised hajusallikate juures tehakse saasteallika pinnalt või maapinnalähedases õhukihis.

Kehtima jätmise alus: EVS/TK 28 otsus 13-05.2021 2-5/23; teade pikendamisküsitlusest 15.03.2021 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-HD 391 S3:2003

Dimensions for the mounting of single-hole, bush- mounted, spindle-operated electronic components

Specifies mounting dimensions for spindle-operated, single-hole, bush-mounted components including switches, potentiometers and variable capacitors, primarily intended for use in equipment for telecommunications and in electronic devices employing similar techniques.

Keel: en
Alusdokumendid: IEC 60620:1984; HD 391 S3:1988
Tühistamisküsitluse lõppkuupäev: 15.06.2021

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

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

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

EVS-EN 13565-2:2019/AC:2021

Paiksed tulekustutussüsteemid. Vahtsüsteemide komponendid. Osa 2: Projekteerimine, ehitamine ja hooldus

Fixed firefighting systems - Foam systems - Part 2: Design, construction and maintenance

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 ISO 3834-2:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 2: Laialdased kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements (ISO 3834-2:2021)

See dokument määrab laialdased kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

EVS-EN ISO 3834-3:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 3: Standardsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 3: Standard quality requirements (ISO 3834-3:2021)

See dokument määrab standardsed kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

EVS-EN ISO 3834-4:2021

Metallide sulakeevituse kvaliteedinõuded. Osa 4: Elementaarsed kvaliteedinõuded
Quality requirements for fusion welding of metallic materials - Part 4: Elementary quality requirements (ISO 3834-4:2021)

See dokument määrab elementaarsed kvaliteedinõuded metalsete materjalide sulakeevituseks nii töökodades kui ka ehitusplatsidel.

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 13949:2003	Hingamisvahendid. Avatud tsükliga, väliskeskkonnast isoleeritud, surulämmastikku ja hapnikku kasutav sukeldumisaparaat. Nõuded, katsetamine, märgistus	Hingamisvahendid. Avatud tsükliga, väliskeskkonnast isoleeritud, Nitroxi ja hapnikku kasutav vette sukeldumise aparaat. Nõuded, katsetamine, märgistus
EVS-EN 14225-1:2017	Tuukriülikonnad. Osa 1: Kummiülikonnad. Nõuded ja katsemeetodid	Sukeldumisülikonnad. Osa 1: Märgülikonnad. Nõuded ja katsemeetodid
EVS-EN 14225-2:2017	Tuukriülikonnad. Osa 2: Kuivad kummiülikonnad. Nõuded ja katsemeetodid	Sukeldumisülikonnad. Osa 2: Kuivülikonnad. Nõuded ja katsemeetodid
EVS-EN 144-3:2003	Hingamisteede kaitsevahendid. Gaasisilindri klapid. Osa 3: Sukeldumisgaaside Nitrox ja hapnik väljalaske liitmikud	Hingamisteede kaitsevahendid. Gaasiballooni ventiilid. Osa 3: Sukeldumisgaaside Nitrox ja hapnik rõhualandajate kinnitusliitmikud
EVS-EN 14593-1:2018	Hingamisteede kaitsevahendid. Suruõhusüsteemiga ühendatud hingamisaparaadid, mis on varustatud koormusventiiliga. Osa 1: Täismaskiga seadmed. Nõuded, katsetamine, tähistamine	Hingamisteede kaitsevahendid. Suruõhusüsteemiga ühendatud hingamisseadmed, mis on varustatud tagasivooluklapiga. Osa 1: Täismaskiga seadmed. Nõuded, katsetamine ja märgistus