EVS Teataja

Avaldatud 01.06.2023

Uued Eesti standardid

Standardikavandite **arvamusküsitlus**

Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite **tõlked kommenteerimisel**

Uued harmoneeritud standardid

Standardipealkirjade muutmine

Uued eestikeelsed standardid

Ilmub alates 1993. aastast

ISSN 2806-1802

SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 11610:2023

Protective clothing - Vocabulary (ISO 11610:2023)

This document contains a list of terms which are frequently used in the standardization of protective clothing (5.1.4) and protective equipment worn on the body, including hand and arm protection and lifejackets, and definitions of these terms. The definitions are intended to support an unambiguous use of the terms listed. This document is intended to serve as a reference document for the Working Groups of CEN/TC 162 and ISO/TC 94/SC 13 to ascertain what definitions already exist and may be used for setting up new standards and to provide guidance in the elaboration of new definitions. NOTE - In addition to text written in the official ISO languages (English, French), this document gives text in German. This text is published under the responsibility of the Member Body for Germany (DIN) and is given for information only. Only the text given in the official lan-guages can be considered as ISO text.

Keel: en
Alusdokumendid: ISO 11610:2023; EN ISO 11610:2023
Asendab dokumenti: CEN ISO/TR 11610:2004

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

CWA 17987:2023

Good practice recommendations for implementation of career-tracking survey of doctorate holders

This document gives practical recommendations for implementation of career-tracking surveys. The current guidelines are meant for universities wishing to set up an institutional career-tracking survey. These surveys can be set up by higher education institutions, grant funding agencies or national statistics bodies, with the purpose to improve doctoral education and/or assess its quality and impact at an institutional or national level. It includes among others, surveys that trace back doctorate holders' careers over several years, cohort studies at several moments in time or longitudinal surveys (based on the definition of career tracking of researchers, European Science Foundation, 2012 [3]; definition of tracking in EUA's "Tracking Learners' and Graduates' Progression Paths" project [4]).

Keel: en
Alusdokumendid: CWA 17987:2023

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN 17694-1:2023

Hydrometry - Minimum performance requirements and test procedures for water monitoring equipment - Devices for the determination of flow - Part 1: Open channel instrumentation

This document specifies general requirements, minimum performance requirements and test procedures for open channel instrumentation used to determine either volumetric flow-rate and/or total volume passed of waters in artificial open channels. It covers the following technology categories: - Level sensors with associated electronics designed to be used with a conventional gauging structure. (The requirements and test procedures for gauging structures, such as weirs and flumes, are excluded. The stage discharge characteristics for many of these structures are established and published in national and international standards). - Water velocity sensors. - Integrated velocity area instruments comprising level and velocity sensors that may be separate or combined in a single assembly. - Velocity sensors that determine the mean water velocity through a channel. It is recognized that for some OCIs, certain tests cannot be carried out.

Keel: en
Alusdokumendid: EN 17694-1:2023

11 TERVISEHOOLDUS

EVS 944:2023/AC:2023

Puhastamisnõuded tervishoiuasutustes
Requirements for cleaning in health care institutions

Standardi EVS 944:2023 parandus.

Keel: et
Parandab dokumenti: EVS 944:2023

EVS-EN IEC 61676:2023

Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology

IEC 61676:2023 specifies the performance requirements of instruments as used in the non-invasive measurement of X-RAY tube voltage up to 150 kV and the relevant compliance tests. This document also describes the method for calibration and gives guidance for estimating the uncertainty in measurements performed under conditions different from those during calibration. Applications for such measurement are found in diagnostic radiology including mammography, computed tomography (CT), dental radiology and radioscopy. This document is not concerned with the safety aspect of such instruments. The requirements for electrical safety applying to them are contained in IEC 61010-1. IEC 61676:2023 cancels and replaces first edition published in 2002, Amendment 1:2008. This edition constitutes a technical revision. It includes an assessment of the combined standard uncertainty for the performance of a hypothetical instrument for the non-invasive measurement of the tube high voltage (in Annex A) which replaces Annex A of the edition 1.1 titled "Recommended performance criteria for the invasive divider".

Keel: en
Alusdokumendid: IEC 61676:2023; EN IEC 61676:2023
Asendab dokumenti: EVS-EN 61676:2003
Asendab dokumenti: EVS-EN 61676:2003/A1:2009

EVS-EN ISO 10993-15:2023

Meditsiiniseadmete bioloogiline hindamine. Osa 15: Metallide ja sulamite degradatsioonisaaduste tuvastamine ja koguseline kindlaksmääramine
Biological evaluation of medical devices - Part 15: Identification and quantification of degradation products from metals and alloys (ISO 10993-15:2019)

This document specifies general requirements for the design of tests for identifying and quantifying degradation products from final metallic medical devices or corresponding material samples finished as ready for clinical use. This document is applicable only to those degradation products generated by chemical alteration of the final metallic device in an in vitro degradation test. Because of the nature of in vitro tests, the test results approximate the in vivo behaviour of the implant or material. The described chemical methodologies are a means to generate degradation products for further assessments. This document is applicable to both materials designed to degrade in the body as well as materials that are not intended to degrade. This document is not applicable to evaluation of degradation which occurs by purely mechanical processes; methodologies for the production of this type of degradation product are described in specific product standards, where available. NOTE Purely mechanical degradation causes mostly particulate matter. Although this is excluded from the scope of this document, such degradation products can evoke a biological response and can undergo biological evaluation as described in other parts of ISO 10993. Because of the wide range of metallic materials used in medical devices, no specific analytical techniques are identified for quantifying the degradation products. The identification of trace elements (<10–6 w/w) contained in the specific metal or alloy is not addressed in this document, nor are specific requirements for acceptable levels of degradation products provided in this document. This document excludes the biological activity of the degradation products. (See instead the applicable clauses of ISO 10993-1 and ISO 10993-17).

Keel: en
Alusdokumendid: ISO 10993-15:2019; EN ISO 10993-15:2023
Asendab dokumenti: EVS-EN ISO 10993-15:2009

EVS-EN ISO 13078-3:2023

Dentistry - Dental furnace - Part 3: Test method for the evaluation of high temperature sintering furnace measurement with a separate thermocouple (ISO 13078-3:2023)

This document specifies a test method for the calibration of resistance-heated high temperature sintering furnaces that are suitable for the sintering of dental restorations in the temperature range up to 1 700 °C. NOTE A test method for the calibration of dental furnaces that are suitable for the heat treatment of silica-based dental ceramic restorations in the temperature range between 600 °C and 1 050 °C is specified in ISO 13078:2013. ISO 13078:2013 does not include the calibration of sintering furnace used for sintering of oxide ceramics or sintered metal, in whose firing chamber restorations are sintered at temperatures of 1 000 °C to 1 700 °C.

Keel: en
Alusdokumendid: ISO 13078-3:2023; EN ISO 13078-3:2023

EVS-EN ISO 5139:2023

Dentistry - Polymer-based composite machinable blanks (ISO 5139:2023)

This document specifies the characteristics of polymer-based composite machinable blanks with respect to the milling process and provides the test methods that address the clinical issues specific to those materials. In addition, this document specifies the items to be described on the packaging and materials, as well as descriptions to be included in the instructions for use. The polymer-based composite machinable blanks covered in this document are blanks that are used for fabricating permanent dental restorative appliances (e.g. single crowns or inlays) by milling processes. They do not include large-sized blanks (e.g. discs) that allow for the fabrication of two or more units of crowns or bridges from one blank or materials for temporary use.

Keel: en
Alusdokumendid: ISO 5139:2023; EN ISO 5139:2023

EVS-EN ISO 7551:2023

Dentistry - Endodontic absorbent points (ISO 7551:2023)

This document specifies the requirements and test methods for sterilized absorbent points used in endodontic procedures. Absorbent points are marketed sterilized or non-sterilized. The requirements apply to absorbent points which have been sterilized once in a manner approved by the manufacturer. This document specifies numerical systems and a colour-coding system for designating the sizes of absorbent points. Clause 7 specifies the labelling and packaging needed, including the instructions for use. A claim by the manufacturer that the contents of the unopened pack are sterile is the responsibility of the manufacturer (see Table 2). This document does not specify requirements or test methods for sterility. NOTE 1 Reference to applicable national regulations can be made. Reference is made to internationally accepted pharmacopoeia. NOTE 2 National requirements can apply. Standards on methods of validating sterilization processes are also available: ISO 11137-1, ISO 11137-2 and ISO 11137-3.

Keel: en
Alusdokumendid: ISO 7551:2023; EN ISO 7551:2023
Asendab dokumenti: EVS-EN ISO 7551:1999

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 14972-11:2023

Fixed firefighting systems - Water mist systems - Part 11: Test protocol for cable tunnels for open nozzle systems

This document specifies fire testing requirements for water mist systems used for fire protection of cable tunnels. The test protocol covers deluge water mist systems with open nozzles which are either activated with an automatic release system, e.g. fire detection system, or manually released.

Keel: en
Alusdokumendid: EN 14972-11:2023

EVS-EN 14972-6:2023

Fixed firefighting systems - Water mist systems - Part 6: Test protocol for false floors and false ceilings for automatic nozzle systems

This document specifies the evaluation of the firefighting performance of water mist systems for false ceilings and false floors with heights between 300 mm and 800 mm. This fire test protocol is applicable to pendent or upright automatic nozzles to be used in unlimited volume. This document is applicable for horizontal, solid, flat ceilings. It is not possible to apply these tests to other applications than the ones specified within this fire test protocol.

Keel: en
Alusdokumendid: EN 14972-6:2023

EVS-EN 4862:2023

Aerospace series - Rotorcraft constant wear lifejackets - Requirements, testing and marking

This document specifies requirements for constant wear lifejackets for use by helicopter crew members and passengers in the event of a ditching or water impact, to ensure minimum levels of performance. It only applies to constant wear lifejackets for use by adults and that are intended to be manually inflated after leaving the helicopter. Helicopter constant wear lifejackets are sometimes designed to be worn with or without a helicopter immersion suit and/or emergency breathing system.

Keel: en
Alusdokumendid: EN 4862:2023

EVS-EN 4863:2023

Aerospace series - Rotorcraft immersion suits - Requirements, testing and marking

This document specifies requirements for immersion suits for use by helicopter crew members and passengers in the event of a ditching or water impact, to ensure minimum levels of performance. It applies to immersion suits for use by adults only.

Keel: en
Alusdokumendid: EN 4863:2023

EVS-EN 60335-2-45:2003/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-45: Erinõuded kaasaskantavatele ja muudele taolistele kuumutamisseadmetele
Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances

Amendment to EN 60335-2-45:2002

Keel: en
Alusdokumendid: EN 60335-2-45:2002/A11:2023
Muudab dokumenti: EVS-EN 60335-2-45:2003

EVS-EN IEC 60335-2-103:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This International Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part. Battery-operated drives and other d.c. supplied drives are within the scope of this standard. Dual supply drives, either mains-supplied or battery-operated, are regarded as batteryoperated drives when operated in the battery mode. Drives not intended for normal household use but which nevertheless may be a source of danger to the public, such as drives intended to be used by laymen in shops, offices, hotels, restaurants, hospitals, in industry and on farms, are within the scope of this standard. Requirements for drives for doors that may be used in emergency routes and exits are given in Annex AA.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023; IEC 60335-2-103:2015
Asendab dokumenti: EVS-EN 60335-2-103:2015

EVS-EN IEC 60335-2-103:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023/A1:2023; IEC 60335-2-103:2015/A1:2017
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023

EVS-EN IEC 60335-2-103:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023/A2:2023

EVS-EN IEC 60335-2-103:2023/A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: IEC 60335-2-103:2015/A2:2019; EN IEC 60335-2-103:2023/A2:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023

EVS-EN IEC 60335-2-103:2023+A1+A2+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele

Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2015 + IEC 60335-2-103:2015/A1:2017 + IEC 60335-2-103:2015/A2:2019)

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 600 V for other drives. It also covers the hazards generated by the power transmission

of the drive to the driven part of horizontally and vertically moving gates and doors, pedestrian doors and windows for household and similar purposes. Hazards associated with the movement of the driven part of horizontally and vertically moving gates and doors for household and similar purposes, are covered by this document and EN 12453. Hazards associated with the movement of the driven part of pedestrian doors are covered by this document and EN 16005. Hazards associated with the movement of the driven part of windows are covered by this document. Battery-operated drives and other d.c. supplied drives are within the scope of this standard. Dual supply drives, either mains-supplied or battery-operated, are regarded as battery-operated drives when operated in the battery mode. Drives not intended for normal household use but which nevertheless may be a source of danger to the public, such as drives intended to be used by laymen in shops, offices, hotels, restaurants, hospitals, in industry and on farms, are within the scope of this standard. NOTE Z101 Household environment includes the dwelling and its associated buildings, the garden, etc. Requirements for drives for doors that may be used in emergency routes and exits are given in EN 16005. NOTE Z102 Attention is drawn to the fact that for drives for powered pedestrians doors used in emergency routes and exits additional requirements as given in EN 16005 are applicable. NOTE 101 Examples of drives within the scope of this standard are drives for – folding doors; – revolving doors; – rolling doors; – roof windows; – sectional overhead doors; – swinging and sliding gates or doors. Examples are shown in Figure 101. NOTE 102 Drives may be supplied with a driven part. This document deals with the reasonably foreseeable hazards presented by drives that are encountered by all persons in and around the installation place. However, in general, it does not take into account: — children playing with the appliance; — the use of the appliance by very young children; — the use of the appliance by young children without supervision. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. NOTE 103 Attention is drawn to the fact that in many countries additional requirements are specified by the national authorities responsible for the protection of labour and similar authorities. NOTE 104 This standard does not apply to drives – for vertically moving garage doors for residential use (60335-2-95); – for shutters covering doors and windows (including locations where the door is set back from the shutter), awnings, blinds and similar equipment (60335-2-97); – intended exclusively to be used by trained persons in commercial and industrial premises; – for specific purposes, such as fire doors; – for natural smoke exhaust ventilators not used as windows (EN 12101-2); – intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). – for side curtains ventilation systems – for doors on vehicles; – lock gates and dock gates; – doors on lifts; – armoured doors; – doors mainly for the retention of animals, unless they are at the site perimeter; – theatre textile curtains; – doors outside the reach of people (such as crane gantry fences); – barriers; – doors used in industrial processes; – partition walls; – turnstiles; – platform doors. NOTE 105 This standard does not apply to movement of a pedestrian door where such movement is based solely on stored energy. NOTE Z103 Within the document the terms drive and appliance are interchangeable. Products covered by this document and installed according to the manufacturer instructions do not create a noise hazard.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023; IEC 60335-2-103:2015; EN IEC 60335-2-103:2023/A1:2023; IEC 60335-2-103:2015/A1:2017; EN IEC 60335-2-103:2023/A2:2023; IEC 60335-2-103:2015/A2:2019; EN IEC 60335-2-103:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A2:2023

EVS-EN IEC 60335-2-113:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-113: Erinõuded kosmeetika- ja iluhooldusseadmetele, sealhulgas laseritele ja intensiivvalgusallikatele
Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources

This European Standard deals with the safety of cosmetic and beauty care appliances incorporating lasers or intense light sources for household and similar purposes, where their operation relies on contact with the skin, their rated voltage being not more than 250 V

Keel: en
Alusdokumendid: IEC 60335-2-113:2016; EN IEC 60335-2-113:2023

EVS-EN IEC 60335-2-113:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-113: Erinõuded kosmeetika- ja iluhooldusseadmetele, sealhulgas laseritele ja intensiivvalgusallikatele
Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources

This European Standard deals with the safety of cosmetic and beauty care appliances incorporating lasers or intense light sources for household and similar purposes, where their operation relies on contact with the skin, their rated voltage being not more than 250 V

Keel: en
Alusdokumendid: EN IEC 60335-2-113:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-113:2023

EVS-EN IEC 60335-2-115:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-115: Erinõuded näo- ja kehahooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances

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

Keel: en
Alusdokumendid: IEC 60335-2-115:2021; EN IEC 60335-2-115:2023; IEC 60335-2-115:2021/Cor1:2022

EVS-EN IEC 60335-2-115:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-115: Erinõuded näo- ja kehahooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances

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

Keel: en
Alusdokumendid: EN IEC 60335-2-115:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-115:2023

EVS-EN IEC 60335-2-23:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

60335-2-23:2016 deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V. Examples of appliances that are within the scope of this standard are: - curling combs; - curling irons; - curling rollers with separate heaters; - facial saunas; - hairdryers; - hair straighteners; - hand dryers; - heaters for detachable curlers and permanent-wave appliances. Appliances covered by this standard may incorporate steam-producing or spray-producing devices. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to: - appliances intended exclusively for industrial purposes; - appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); - shavers, hair clippers and similar appliances; - blankets, pads, clothing and similar flexible heating appliances; - appliances for skin exposure to optical radiation; - sauna heating appliances; - cosmetic and beauty care appliances incorporating lasers and intense light sources or appliances intended for medical purposes. This sixth edition cancels and replaces the fifth edition published in 2003 including its Amendment 1 (2008) and its Amendment 2 (2012). This edition constitutes a technical revision. The principal changes in this edition as compared with the fourth edition of IEC 60335-2-23 are as follows (minor changes are not listed): - added hair straighteners to the list of examples covered by the standard; - modified 7.12 to apply to appliances, and not just to hairdryers; - added new instructions in 7.12 for hair straighteners and curling irons; - exempted fixed hairdryers and fixed hand dryers from alternative format of instructions; - excluded detachable curler surfaces from temperature rise requirement in Subclause 11.8; - clarified in Subclause 19.7 that the appliance shall not emit flame after the test; - clarified method of test and compliance criteria in Subclause 21.101; - added requirement in 22.13 to delineate handles on curling irons and hair straighteners; - in 22.103, added a requirement for protection against hair being pulled into hair dryer intake; - revised Subclause 24.101 to indicate that protective devices shall not be self-resetting and reviewed and converted notes to normative text in Subclauses 19.7, 22.32, and 25.14.

Keel: en
Alusdokumendid: IEC 60335-2-23:2016; EN IEC 60335-2-23:2023
Asendab dokumenti: EVS-EN 60335-2-23:2003
Asendab dokumenti: EVS-EN 60335-2-23:2003/A1:2008
Asendab dokumenti: EVS-EN 60335-2-23:2003/A11:2011
Asendab dokumenti: EVS-EN 60335-2-23:2003/A11:2011/AC:2012
Asendab dokumenti: EVS-EN 60335-2-23:2003/A2:2015

EVS-EN IEC 60335-2-23:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

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

Keel: en

Alusdokumendid: IEC 60335-2-23:2016/A1:2019; EN IEC 60335-2-23:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-23:2023

EVS-EN IEC 60335-2-23:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele

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

Amendment to EN IEC 60335-2-23:2023

Keel: en
Alusdokumendid: EN IEC 60335-2-23:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-23:2023

EVS-EN IEC 60335-2-23:2023+A1+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele

Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care (IEC 60335-2-23:2016 + IEC 60335-2-23:2016/A1:2019)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of appliances that are within the scope of this standard are – curling combs; – curling irons; – curling rollers with separate heaters; – facial saunas; – hairdryers; – hair straighteners; – hand dryers; – heaters for detachable curlers; – water filled foot care appliances without massage function; – permanent-wave appliances. NOTE 102 Appliances covered by this standard may incorporate steam-producing or spray-producing devices. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. NOTE 103 Examples are appliances for use in hairdressing salons. This document deals with the reasonably foreseeable hazards presented by appliances and machines that are encountered by all persons. However, in general, it does not take into account: — children playing with the appliance; — the use of the appliance by very young children; — the use of the appliance by young children without supervision; — user maintenance by children, including the necessary cleaning of the appliance. It is recognized that very vulnerable people may have needs beyond the level addressed in this document. NOTE 104 Attention is drawn to the fact that – it is recognized that persons having very extensive and complex disabilities can have needs beyond the level addressed in this standard. – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 105 This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – shavers, hair clippers and similar appliances (IEC 60335-2-8); – blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17); – appliances for skin exposure to optical radiation (IEC 60335-2-27); – sauna heating appliances (IEC 60335-2-53); – cosmetic and beauty care appliances incorporating lasers and intense light sources (IEC 60335-2-113) – water filled foot massagers (IEC 60335-2-32); – appliances intended for medical purposes (IEC 60601). NOTE 106 A water filled foot care appliance with water jets is not considered to have a massage function.

Keel: en
Alusdokumendid: IEC 60335-2-23:2016; EN IEC 60335-2-23:2023; IEC 60335-2-23:2016/A1:2019; EN IEC 60335-2-23:2023/A1:2023; EN IEC 60335-2-23:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023/A11:2023

EVS-EN IEC 60335-2-81:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele

Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

IEC 60335-2-81:2015 deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction. It also does not take into account children playing with the appliance. It was established on the basis of the fifth edition (2010) of that standard. This third edition cancels and replaces the second edition published in 2002, its Amendment 1 (2007) and its Amendment 2 (2011). It constitutes a technical revision. The principal changes in this edition as compared with the second edition of IEC 60335-2-81 are as follows (minor changes are not listed): - requirements for washable appliances (5.3, 7.1, 7.6, 7.12); - requirements for controls in flexible cords (15.1.1, 24.2) and requirements for appliance inlets (22.105, 24.1.5, 29.1.3). The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en
Alusdokumendid: IEC 60335-2-81:2015; EN IEC 60335-2-81:2023
Asendab dokumenti: EVS-EN 60335-2-81:2003
Asendab dokumenti: EVS-EN 60335-2-81:2003/A1:2007
Asendab dokumenti: EVS-EN 60335-2-81:2003/A2:2012

EVS-EN IEC 60335-2-81:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

Muudatus standardile EN 60335-2-81:2023

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A1:2017; EN IEC 60335-2-81:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN IEC 60335-2-81:2023/A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

This European Standard deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A2:2020; EN IEC 60335-2-81:2023/A2:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN IEC 60335-2-95:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: IEC 60335-2-95:2019; EN IEC 60335-2-95:2023
Asendab dokumenti: EVS-EN 60335-2-95:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A1:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A2:2019

EVS-EN IEC 60335-2-95:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: EN IEC 60335-2-95:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-95:2023

EVS-EN IEC 60335-2-97:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, allatõmmatavate aknakardinate ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric drives for shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. NOTE 101 Battery-operated drives and other d.c. supplied drives are within the scope of this standard. NOTE 102 Examples of equipment that can be driven are – spring controlled folding arm awnings; – curtains; – grilles covering doors and windows; – projection screens; – shutters covering doors and windows; – draperies. Examples are shown in Figure 101. NOTE 103 Drives may be supplied with a driven part. Drives not intended for normal household use but that nevertheless may be a source of danger to the public, such as drives intended to be used by laymen in shops, in light industry, on farms and on industrial premises, are within the scope of this standard.

Keel: en
Alusdokumendid: EN IEC 60335-2-97:2023; IEC 60335-2-97:2016
Asendab dokumenti: EVS-EN 60335-2-97:2007
Asendab dokumenti: EVS-EN 60335-2-97:2007/A11:2009
Asendab dokumenti: EVS-EN 60335-2-97:2007/A12:2015
Asendab dokumenti: EVS-EN 60335-2-97:2007/A2:2010

EVS-EN IEC 60335-2-97:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, allatõmmatavate aknakardinate ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment

Amendment to EN IEC 60335-2-97:2023

Keel: en
Alusdokumendid: IEC 60335-2-97:2016/A1:2019; EN IEC 60335-2-97:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-97:2023

EVS-EN IEC 60335-2-97:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, allatõmmatavate aknakardinate ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment

This European Standard deals with the safety of electric drives for shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives

Keel: en
Alusdokumendid: EN IEC 60335-2-97:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-97:2023
Muudab dokumenti: EVS-EN IEC 60335-2-97:2023/A1:2023

EVS-EN IEC 60335-2-97:2023+A1+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, allatõmmatavate aknakardinate ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for shutters, awnings, blinds and similar equipment (IEC 60335-2-97:2016 + IEC 60335-2-97:2016/A1:2019)

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric drives for shutters, blinds and awnings, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the equipment such as shutters, blinds and awnings NOTE 101 Battery-operated drives and other d.c. supplied drives are within the scope of this standard. NOTE 102 Examples of equipment that can be driven are – spring controlled folding arm awnings; – curtains; – grilles covering doors and windows; – projection screens; – shutters covering doors and windows; – draperies. Examples are shown in Figure 101. NOTE 103 Drives may be supplied with a driven part. This document deals with the reasonably foreseeable hazards presented by drives that are encountered by all persons in and around the installation place. However, in general, it does not take into account: — children playing with the drive; — the use of the drive by very young children; — the use of the drive by young children without supervision. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. Drives being part of power operated shutters, blinds and awnings which are intended to be used by trained users in shops, in light industry and on farms, are also within the scope of this document. NOTE Z101 Examples of places where shutters, blinds and awnings for household environment can also be used by non-expert users: — shops, offices and other working environments; — farm houses; — hotels, motels and other residential type environments where they are used by clients; — bed and breakfast type environments. NOTE Z102 Household environment includes the dwelling and its associated buildings, the garden, etc. NOTE 104 Attention is drawn to the fact that – for drives intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 105 This standard does not apply to – drives intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – drives for vertically moving garage doors for residential use (IEC 60335-2-95); – drives for gates, doors and windows (IEC 60335-2-103); – drives used in premises such as hangars or in heavy industry; – drives for theatre curtains. NOTE Z103 Within this document the terms drive and appliance are interchangeable. Products covered by this document and installed according to the manufacturer instructions do not create a noise hazard.

Keel: en
Alusdokumendid: EN IEC 60335-2-97:2023; IEC 60335-2-97:2016; IEC 60335-2-97:2016/A1:2019; EN IEC 60335-2-97:2023/A1:2023; EN IEC 60335-2-97:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-97:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-97:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-97:2023/A11:2023

EVS-EN IEC 62819:2023

Pingealune töö. Silma-, näo- ja pea kaitsevahendid elektrikaare mõjude eest. Toimivusnõuded ja katsemeetodid

Live working - Eye, face and head protectors against the effects of electric arc - Performance requirements and test methods

This part of IEC 63275-1 gives a test method to evaluate gate threshold voltage shift of silicon carbide (SiC) power metal-oxide-semiconductor field-effect transistors (MOSFETs) using room temperature readout after applying continuous positive gate-source voltage stress at elevated temperature. The proposed method accepts a certain amount of recovery by allowing large delay times between stress and measurement (up to 10h).

Keel: en
Alusdokumendid: IEC 62819:2022; EN IEC 62819:2023

EVS-EN ISO 11610:2023

Protective clothing - Vocabulary (ISO 11610:2023)

This document contains a list of terms which are frequently used in the standardization of protective clothing (5.1.4) and protective equipment worn on the body, including hand and arm protection and lifejackets, and definitions of these terms. The definitions are intended to support an unambiguous use of the terms listed. This document is intended to serve as a reference document for the Working Groups of CEN/TC 162 and ISO/TC 94/SC 13 to ascertain what definitions already exist and may be used for setting up new standards and to provide guidance in the elaboration of new definitions. NOTE - In addition to text written in the official ISO languages (English, French), this document gives text in German. This text is published under the responsibility of the Member Body for Germany (DIN) and is given for information only. Only the text given in the official lan-guages can be considered as ISO text.

Keel: en
Alusdokumendid: ISO 11610:2023; EN ISO 11610:2023
Asendab dokumenti: CEN ISO/TR 11610:2004

EVS-EN ISO 13849-1:2023

Masinate ohutus. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Kavandamise üldpõhimõtted

Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2023)

This document specifies a methodology and provides related requirements, recommendations and guidance for the design and integration of safety-related parts of control systems (SRP/CS) that perform safety functions, including the design of software. This document applies to SRP/CS for high demand and continuous modes of operation including their subsystems, regardless of the type of technology and energy (e.g. electrical, hydraulic, pneumatic, and mechanical). This document does not apply to low demand mode of operation. NOTE 1 See 3.1.44 and the IEC 61508 series for low demand mode of operation. This document does not specify the safety functions or required performance levels (PLr) that are to be used in particular applications. NOTE 2 This document specifies a methodology for SRP/CS design without considering if certain machinery (e.g. mobile machinery) has specific requirements. These specific requirements can be considered in a Type-C standard. This document does not give specific requirements for the design of products/components that are parts of SRP/CS. Specific requirements for the design of some components of SRP/CS are covered by applicable ISO and IEC standards. This document does not provide specific measures for security aspects (e.g. physical, IT-security, cyber security). NOTE 3 Security issues can have an effect on safety functions. See ISO/TR 22100-4 and IEC/TR 63074 for further information.

Keel: en
Alusdokumendid: ISO 13849-1:2023; EN ISO 13849-1:2023
Asendab dokumenti: EVS-EN ISO 13849-1:2015

EVS-EN ISO 25980:2023

Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes (ISO 25980:2023)

This document specifies safety requirements for transparent welding curtains, strips and screens to be used in workplaces where arc welding is taking place. They are intended to provide protection against harmful levels of optical radiation and spatter for workers who are in the vicinity of arc welding processes but not involved in the welding itself. They are intended to reduce the discomfort glare from the arc but also allow sufficient luminous transmittance to permit a view into the workspace behind. The transparent welding curtains can also be used in other applications as long as the UV- and blue-light emissions are less than in arc welding and the transmitted infrared irradiance is below applicable exposure limits. They are designed to be used at a distance from the arc of at least 1 m. Welding curtains, strips and screens specified in this document are not intended to replace welding filters. For intentional viewing of welding arcs, other means of protection are used, see ISO 16321-1 and ISO 16321-2. This document is not applicable to protection against laser radiation, for which ISO 19818-1 applies.

Keel: en
Alusdokumendid: ISO 25980:2023; EN ISO 25980:2023
Asendab dokumenti: EVS-EN ISO 25980:2014

EVS-EN ISO 4484-3:2023

Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method (ISO 4484-3:2023)

This document specifies a method for measuring the collected material mass released from the outlet hose of a standard washing machine, described in ISO 6330, through the washing process. NOTE The washing condition of textile end products is indicated by the care labelling according to ISO 3758. This document is applicable to textile end products (including consumer textile products, such as clothing made of fleece, shirts, trousers, blouse, etc.) and home textile end products (such as, blankets, rugs, curtains, etc.) which are composed of all fibres such as natural fibres, and man-made fibres, including mixture of the fibres that can be washed in a domestic washing machine. This document is not applicable to fabrics and cut textile products. It does not cover the test for washing machines and detergents as well.

Keel: en
Alusdokumendid: ISO 4484-3:2023; EN ISO 4484-3:2023

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 17694-1:2023

Hydrometry - Minimum performance requirements and test procedures for water monitoring equipment - Devices for the determination of flow - Part 1: Open channel instrumentation

This document specifies general requirements, minimum performance requirements and test procedures for open channel instrumentation used to determine either volumetric flow-rate and/or total volume passed of waters in artificial open channels. It covers the following technology categories: - Level sensors with associated electronics designed to be used with a conventional gauging structure. (The requirements and test procedures for gauging structures, such as weirs and flumes, are excluded. The stage discharge characteristics for many of these structures are established and published in national and international standards). - Water velocity sensors. - Integrated velocity area instruments comprising level and velocity sensors that may be separate or combined in a single assembly. - Velocity sensors that determine the mean water velocity through a channel. It is recognized that for some OCIs, certain tests cannot be carried out.

Keel: en
Alusdokumendid: EN 17694-1:2023

EVS-EN 17694-2:2023

Hydrometry - Minimum performance requirements and test procedures for water monitoring equipment - Devices for the determination of flow - Part 2: Closed conduit instrumentation

This document specifies general requirements, minimum performance requirements and test procedures for instrumentation used to measure either volumetric flow-rate and/or total volume passed of water in closed conduits. It covers all closed conduit instrument (CCI) technologies intended to operate in closed pressurized pipes and partially filled pipes. Requirements are expressed in volumetric units which may be converted to mass using the density of the water. It is recognized that for some CCIs certain tests cannot be carried out. The data obtained from the testing of CCIs in accordance with the requirements of the Measuring Instruments Directive [1] or EN ISO 4064-1 [2] can be used to meet, in part, the requirements specified in this document. However, for the avoidance of doubt, compliance with the requirements of this document does not equate to compliance with the requirements of the Measuring Instruments Directive or EN ISO 4064-1.

Keel: en
Alusdokumendid: EN 17694-2:2023

EVS-EN IEC 62057-1:2023

Electrical energy meters - Test equipment, techniques and procedures - Part 1: Stationary meter test units (MTUs)

IEC 62057-1:2023 applies to stationary meter test units (MTUs) permanently installed in laboratories, used for testing and calibration of electricity meters, in particular for their type test, acceptance test and verification test. It covers the requirements for automatic MTUs for indoor laboratory application and applies to newly manufactured MTUs to test electricity meters on 50 Hz or 60 Hz networks with an AC voltage up to 600 V (phase to neutral). If meters are intended for system voltages not specified in this document, special requirements are agreed between the manufacturer and the purchaser. This document also defines the kind of tests to perform as type tests / routine tests / acceptance tests and commissioning tests for MTUs. It does not apply to: • portable reference meters and portable sources; • electricity meters; • data interfaces to the meter and test procedures of data interface; • transformer operated MTUs; • personal computers supplied together with the MTU.

Keel: en
Alusdokumendid: IEC 62057-1:2023; EN IEC 62057-1:2023

19 KATSETAMINE

EVS-EN IEC 61010-031:2023

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 031: Ohutusnõuded käeshoitavatele ja käsitsi manipuleeritavatele sondikoostetele elektrilisteks katsetusteks ja mõõtmisteks

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement

IEC 61010-031:2022 specifies safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement, and their related accessories. These probe assemblies are for non-contact or direct electrical connection between a part and electrical test and measurement equipment. They can be fixed to the equipment or be detachable accessories for the equipment. It has the status of a group safety publication in accordance with IEC Guide 104. This third edition cancels and replaces the second edition published in 2015, and Amendment 1:2018. IEC 61010-031 is a stand-alone standard. This edition includes the following significant technical changes with respect to the previous edition: - the scope has been made succinct. General information from the scope of Edition 2 has been moved to a new Clause 4. Consequently, Clause 4 to Clause 8 of Edition 2 have been renumbered. Clause 9 of Edition 2 has been deleted; - in Clause 2, normative references have been dated and new normative references have been added; - in 3.1.4, the definition of probe tip has been modified; - in 4.1, there is no longer any differentiation between high voltage and low voltage probe assemblies. Type C probe assemblies have been merged with Type B probe assemblies; - in 4.1 d) "Kelvin" probes have been added to the list of probe assemblies as a new Type E and a new Figure 5; - in 4.1 e), probes for voltage measurement without electrical connection to conductors have been added to the list of probe assemblies as a new Type F and a new Figure 6; - in 4.2.1, spread of fire is no longer considered as a hazard; - Subclause 4.4.2.5 from Edition 2 has been deleted; - Subclause 4.4.4.3 from Edition 2 has been deleted; - in 5.4.4.1 consideration has been given to spacings and impedance; - in 6.1.1, removable parts of probe tips which bear markings are allowed; - in 6.1.5, the voltage to be marked for measurement categories is the AC line-to-neutral or DC voltage; - in 7.4.2, requirements for unmated connectors have been modified as follows: - Table 2 has been modified and expanded, - a calculation method for clearances of connectors above 20 kV has been defined, - creepage distances have been aligned with clearances; - in 7.4.3.1 and 7.4.3.5, requirements for IP2X probe tips with retractable sleeve have been added; - in 7.4.3.2, Probe tips are now applicable to non-contact probe assemblies; - in 7.5.2.3.2, the values of Table 5 have been modified

Keel: en
Alusdokumendid: EN IEC 61010-031:2023; IEC 61010-031:2022
Asendab dokumenti: EVS-EN 61010-031:2015
Asendab dokumenti: EVS-EN 61010-031:2015/A1:2021
Asendab dokumenti: EVS-EN 61010-031:2015/A11:2021
Asendab dokumenti: EVS-EN 61010-031:2015+A1+A11:2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 13445-2:2021/A1:2023

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Standardi EN 13445-2:2021 muudatus

Keel: en, et
Alusdokumendid: EN 13445-2:2021/A1:2023
Muudab dokumenti: EVS-EN 13445-2:2021

EVS-EN 13445-2:2021+A1:2023

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

See dokument määratleb nõuded terasest toodetele, mida kasutatakse leekkuumutuseta surveanumates. Mõnede mitte terasest metalliliste materjalide, nagu näiteks keragrafiitmalm, alumiinium, nikkel, vask, titaan, nõuded on sõnastatud või sõnastatakse selle dokumendi eraldi osades. Metalliliste materjalide korral, mis ei ole kaetud harmoneeritud materjali standardiga ja mis ei saa tõenäoliselt ka lähitulevikus kaetud, on selles osas või eespool esitatud selle dokumendi osades toodud erireeglid.

Keel: en, et
Alusdokumendid: EN 13445-2:2021; EN 13445-2:2021/A1:2023
Konsolideerib dokumenti: EVS-EN 13445-2:2021
Konsolideerib dokumenti: EVS-EN 13445-2:2021/A1:2023

EVS-EN 13445-4:2021/A1:2023

Leekkuumutuseta surveanumad. Osa 4: Valmistamine
Unfired pressure vessels - Part 4: Fabrication

Standardi EN 13445-4:2021 muudatus

Keel: en, et
Alusdokumendid: EN 13445-4:2021/A1:2023
Muudab dokumenti: EVS-EN 13445-4:2021

EVS-EN 13445-4:2021+A1:2023

Leekkuumutuseta surveanumad. Osa 4: Valmistamine
Unfired pressure vessels - Part 4: Fabrication

See dokument määratleb nõuded leekkuumutuseta terasest surveanumate ja nende osade, sealhulgas survevabade ühenduste valmistamisele. See täpsustab nõudeid materjali jälgitavusele, tootmistolerantsidele, keevitusnõuetele, nõudeid muudele püsiliidetele kui keevitamine, tootmiskatsetele, vormimise nõuetele, termotöötlusele, parandamistele ning viimistlusoperatsioonidele.

Keel: en, et
Alusdokumendid: EN 13445-4:2021; EN 13445-4:2021/A1:2023
Konsolideerib dokumenti: EVS-EN 13445-4:2021
Konsolideerib dokumenti: EVS-EN 13445-4:2021/A1:2023

25 TOOTMISTEHNOLOOGIA

EVS-EN 60335-2-45:2003/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-45: Erinõuded kaasaskantavatele ja muudele taolistele kuumutamisseadmetele
Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances

Amendment to EN 60335-2-45:2002

Keel: en
Alusdokumendid: EN 60335-2-45:2002/A11:2023
Muudab dokumenti: EVS-EN 60335-2-45:2003

EVS-EN IEC 61158-4-21:2023

Industrial communication networks - Fieldbus specifications - Part 4-21: Data-link layer protocol specification - Type 21 elements

1.1 General The DLL provides basic time-critical data communications between devices in an automated environment. Type 21 provides priority-based cyclic and acyclic data communication using an internal collision-free, full-duplex dual-port Ethernet switch technology. For wide application in various automation applications, Type 21 does not restrict the cyclic/acyclic scheduling policy in the DLL. 1.2 Specifications This part of IEC 61158 describes: a) procedures for the timely transfer of data and control information from one data link user entity to a peer user entity, and among the data link entities forming the distributed data link service provider; b) procedures for giving communication opportunities based on ISO/IEC/IEEE 8802-3 MAC, with provisions for nodes to be added or removed during normal operation; c) structure of the fieldbus data link protocol data units (DLPDUs) used for the transfer of data and control information by the protocol of this document, and their representation as physical interface data units.

Keel: en
Alusdokumendid: IEC 61158-4-21:2023; EN IEC 61158-4-21:2023
Asendab dokumenti: EVS-EN IEC 61158-4-21:2019

EVS-EN IEC 61158-4-24:2023

Industrial communication networks - Fieldbus specifications - Part 4-24: Data-link layer protocol specification - Type 24 elements

The data-link layer provides basic time-critical messaging communications between devices in an automation environment. This protocol provides communication opportunities to all participating data-link entities: • in a synchronously-starting cyclic manner, according to a pre-established schedule, or • in an acyclic manner, as requested by each of those data-link entities. Thus, this protocol can be characterized as one which provides cyclic and acyclic access asynchronously but with a synchronous restart of each cycle.

Keel: en
Alusdokumendid: IEC 61158-4-24:2023; EN IEC 61158-4-24:2023
Asendab dokumenti: EVS-EN IEC 61158-4-24:2019

EVS-EN IEC 61158-5-10:2023

Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a “window between corresponding application programs". This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 10 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 10 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service, • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and • Systems Management at the boundary between

the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 10 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-10:2023; EN IEC 61158-5-10:2023
Asendab dokumenti: EVS-EN IEC 61158-5-10:2019

EVS-EN IEC 61158-5-2:2023

Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs." This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 2 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service; • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model; and • Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-2:2023; EN IEC 61158-5-2:2023
Asendab dokumenti: EVS-EN IEC 61158-5-2:2019

EVS-EN IEC 61158-5-4:2023

Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs". This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 4 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 4 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service; • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and • Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 4 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing

such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-4:2023; EN IEC 61158-5-4:2023
Asendab dokumenti: EVS-EN IEC 61158-5-4:2019

EVS-EN IEC 62439-2:2022/AC:2023

Industrial communication networks - High availability automation networks - Part 2: Media Redundancy Protocol (MRP)

Corrigendum to EN IEC 62439-2:2022

Keel: en
Alusdokumendid: EN IEC 62439-2:2022/AC:2023-05; IEC 62439-2:2021/COR1:2023
Parandab dokumenti: EVS-EN IEC 62439-2:2022

EVS-EN IEC 62769-1:2023

Field Device Integration (FDI®) - Part 1: Overview

This part of IEC 62769 describes the concepts and overview of the Field Device Integration (FDI®1) specifications. The detailed motivation for the creation of this technology is also described (see 4.1). Reading this document is helpful to understand the other parts of this multi-part standard.

Keel: en
Alusdokumendid: IEC 62769-1:2023; EN IEC 62769-1:2023
Asendab dokumenti: EVS-EN IEC 62769-1:2021

EVS-EN IEC 62769-100:2023

Field device integration (FDI®) - Part 100: Profiles - Generic protocols

This part of IEC 62769 specifies an FDI®1 profile of IEC 62769 for Generic Protocols. That means that all interfaces are defined and a host can add support for more protocols without changing its implementation. Nevertheless, there are some protocol specific definitions (PSD) that need to be specified per protocol using this profile. Annex C specifies what PSD need to be defined per protocol so that FDI® Device Packages, FDI® Communication Packages for Gateways and FDI® Communication Servers, FDI® Communication Server, Gateways and Devices supporting such a protocol can work together in a host not aware about this specific protocol. NOTE A host not using FDI® Communication Server but a proprietary mechanism for communication needs to define its own means to deal with this profile to support several protocols without changing its implementation. This is specific to the proprietary way how the communication driver is bound to the host.

Keel: en
Alusdokumendid: IEC 62769-100:2023; EN IEC 62769-100:2023
Asendab dokumenti: EVS-EN IEC 62769-100:2020

EVS-EN IEC 62769-101-1:2023

Field device Integration (FDI®) - Part 101-1: Profiles - Foundation Fieldbus H1

This part of IEC 62769 specifies an FDI®1 profile of IEC 62769 for IEC 61784-1_CP 1/1 (FOUNDATION™ Fieldbus H1).

Keel: en
Alusdokumendid: IEC 62769-101-1:2023; EN IEC 62769-101-1:2023
Asendab dokumenti: EVS-EN IEC 62769-101-1:2021

EVS-EN IEC 62769-101-2:2023

Field Device Integration (FDI®) - Part 101-2: Profiles - Foundation Fieldbus HSE

This part of IEC 62769 specifies the IEC 62769 profile for IEC 61784-1, CP 1/2 (FOUNDATION™ Fieldbus HSE).

Keel: en
Alusdokumendid: IEC 62769-101-2:2023; EN IEC 62769-101-2:2023
Asendab dokumenti: EVS-EN IEC 62769-101-2:2021

EVS-EN IEC 62769-103-1:2023

Field Device Integration (FDI®) - Part 103-1: Profiles - PROFIBUS

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-1_CP 3/1 (PROFIBUS DP) and IEC 61784-1_CP3/2 (PROFIBUS PA).

Keel: en
Alusdokumendid: IEC 62769-103-1:2023; EN IEC 62769-103-1:2023
Asendab dokumenti: EVS-EN IEC 62769-103-1:2020

EVS-EN IEC 62769-103-4:2023

Field Device Integration (FDI®) - Part 103-4: PROFINET

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-2_CP 3/4, IEC 61784-2_CP3/5 and IEC 61784-2_CP3/6 (PROFINET).

Keel: en
Alusdokumendid: IEC 62769-103-4:2023; EN IEC 62769-103-4:2023
Asendab dokumenti: EVS-EN IEC 62769-103-4:2020

EVS-EN IEC 62769-109-1:2023

Field device integration (FDI®) - Part 109-1: Profiles - HART® and WirelessHART®

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-1_CP 9/1 (HART®) and IEC 61784-1_CP 9/2 (WirelessHART®).

Keel: en
Alusdokumendid: IEC 62769-109-1:2023; EN IEC 62769-109-1:2023
Asendab dokumenti: EVS-EN IEC 62769-109-1:2020

EVS-EN IEC 62769-150-1:2023

Field device integration (FDI®) - Part 150-1: Profiles - ISA100

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 62734 (ISA100.11a).

Keel: en
Alusdokumendid: IEC 62769-150-1:2023; EN IEC 62769-150-1:2023
Asendab dokumenti: EVS-EN IEC 62769-150-1:2021

EVS-EN IEC 62769-2:2023

Field Device Integration (FDI®) - Part 2: Client

This part of IEC 62769 specifies the FDI®1 Client. See Annex C for some typical FDI® Client use cases. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

Keel: en
Alusdokumendid: IEC 62769-2:2023; EN IEC 62769-2:2023
Asendab dokumenti: EVS-EN IEC 62769-2:2021

EVS-EN IEC 62769-3:2023

Field Device Integration (FDI®) - Part 3: Server

This part of IEC 62769 specifies the FDI®1 Server. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. Annex A provides a functional description of the FDI® Server.

Keel: en
Alusdokumendid: IEC 62769-3:2023; EN IEC 62769-3:2023
Asendab dokumenti: EVS-EN IEC 62769-3:2021

EVS-EN IEC 62769-4:2023

Field Device Integration (FDI®) - Part 4: FDI Packages

This part of IEC 62769 specifies the FDI®1 Packages. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

Keel: en
Alusdokumendid: IEC 62769-4:2023; EN IEC 62769-4:2023
Asendab dokumenti: EVS-EN IEC 62769-4:2021

EVS-EN IEC 62769-5:2023

Field Device Integration (FDI®) - Part 5: FDI Information Model

This part of IEC 62769 defines the FDI®1 Information Model. One of the main tasks of the Information Model is to reflect the topology of the automation system. Therefore, it represents the devices of the automation system as well as the connecting communication networks including their properties, relationships, and the operations that can be performed on them. The types in the AddressSpace of the FDI® Server constitute some kind of catalogue, which is built from FDI® Packages. The fundamental types for the FDI® Information Model are well defined in OPC UA for Devices (IEC 62541-100). The FDI® Information Model specifies extensions for a few special cases and otherwise explains how these types are used and how the contents are built from elements of DevicePackages. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration.

Keel: en
Alusdokumendid: IEC 62769-5:2023; EN IEC 62769-5:2023
Asendab dokumenti: EVS-EN IEC 62769-5:2021

EVS-EN IEC 62769-6:2023

Field Device Integration (FDI®) - Part 6: FDI Technology Mappings

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI®1) standard. The technology mapping focuses on implementation of the components FDI® Client and User Interface Plug-in (UIP)

in the specified technologies for the WORKSTATION platform and the MOBILE platform as defined in IEC 62769-4. There areindividual subparts for the currently supported technologies .NET and HTML5.

Keel: en
Alusdokumendid: IEC 62769-6:2023; EN IEC 62769-6:2023
Asendab dokumenti: EVS-EN IEC 62769-6:2021

EVS-EN IEC 62769-7:2023

Field Device Integration (FDI®) - Part 7: Communication Devices

This part of IEC 62769 specifies the elements implementing communication capabilities called Communication Devices. The overall FDI®1 architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. The document scope with respect to FDI® Packages is limited to Communication Devices. The Communication Server shown in Figure 1 is an example of a specific Communication Device.

Keel: en
Alusdokumendid: IEC 62769-7:2023; EN IEC 62769-7:2023
Asendab dokumenti: EVS-EN IEC 62769-7:2021

EVS-EN IEC 62841-4-7:2022/AC:2023

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 4-7: Erinõuded eeslükatavatele murukobestitele- ja õhutitele (aeraatorid)

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-7: Particular requirements for pedestrian controlled walk-behind lawn scarifiers and aerators

Corrigendum to EN IEC 62841-4-7:2022

Keel: en
Alusdokumendid: EN IEC 62841-4-7:2022/AC:2023-05; IEC 62841-4-7:2022/COR1:2023
Parandab dokumenti: EVS-EN IEC 62841-4-7:2022

EVS-EN ISO 17663:2023

Welding - Quality requirements for heat treatment in connection with welding and allied processes (ISO 17663:2023)

This document provides quality requirements for heat treatment in air or controlled atmospheres carried out in workshops and on site in connection with welding and forming. It applies mainly to ferritic steels but can be used for other materials as appropriate. This document provides guidance for manufacturers that perform heat treatment or produce heat-treated products or components. This document can also be used as a basis for assessing the manufacturer in respect to its heat treatment capability. The fulfilment of a requirement can be waived where justification can be provided that a specific requirement is not applicable to a specific process. This document is intended to be a flexible framework to provide: — specific requirements for heat treatment by manufacturers in order to have a quality system in accordance with ISO 9001; — specific requirements for heat treatment in specifications which require the manufacturer to have a quality system other than ISO 9001; — specific guidance for a manufacturer developing a quality control system for heat treatment; — specific guidance for post-weld heat treatment for manufacturers adopting ISO 3834-2 or ISO 3834-3; — detailed requirements for specifications, regulations or product standards that require control of heat treatment activities.

Keel: en
Alusdokumendid: ISO 17663:2023; EN ISO 17663:2023
Asendab dokumenti: EVS-EN ISO 17663:2009

EVS-EN ISO 18274:2023

Welding consumables - Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys - Classification (ISO 18274:2023)

This document specifies requirements for classification of solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys. The classification of the solid wire electrodes, solid strip electrodes, solid wires and solid rods is based on their chemical composition. It includes those compositions in which the nickel content exceeds that of any other element. The principles of this document can be applied to metal powders for cladding, hard facing and additive manufacturing.

Keel: en
Alusdokumendid: ISO 18274:2023; EN ISO 18274:2023
Asendab dokumenti: EVS-EN ISO 18274:2011

EVS-EN ISO 25980:2023

Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes (ISO 25980:2023)

This document specifies safety requirements for transparent welding curtains, strips and screens to be used in workplaces where arc welding is taking place. They are intended to provide protection against harmful levels of optical radiation and spatter for workers who are in the vicinity of arc welding processes but not involved in the welding itself. They are intended to reduce the discomfort glare from the arc but also allow sufficient luminous transmittance to permit a view into the workspace behind. The

transparent welding curtains can also be used in other applications as long as the UV- and blue-light emissions are less than in arc welding and the transmitted infrared irradiance is below applicable exposure limits. They are designed to be used at a distance from the arc of at least 1 m. Welding curtains, strips and screens specified in this document are not intended to replace welding filters. For intentional viewing of welding arcs, other means of protection are used, see ISO 16321-1 and ISO 16321-2. This document is not applicable to protection against laser radiation, for which ISO 19818-1 applies.

Keel: en
Alusdokumendid: ISO 25980:2023; EN ISO 25980:2023
Asendab dokumenti: EVS-EN ISO 25980:2014

EVS-EN ISO 5179:2023

Investigation of brazeability with spreading and gap-filling test (ISO 5179:2021)

This document specifies three test methods for investigating brazeability. - spreading test shows testing method with measurement of the spread area of the filler metals. - T-joint test describes a scheme to construct a T-shape design by the test pieces and a testing method. - varying gap test describes a test piece and a testing method for assessing the influence of the various parameters which can influence brazing during manufacture as a function of clearances.

Keel: en
Alusdokumendid: ISO 5179:2021; EN ISO 5179:2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 61400-21-2:2023

Wind energy generation systems - Part 21-2: Measurement and assessment of electrical characteristics - Wind power plants

IEC 61400-21-2 - Wind energy generation systems - Measurement and assessment of electrical characteristics - Wind power plants - has the following scope: IEC 61400-21-2 defines and specifies the quantities that shall be determined to characterize the electrical characteristics of grid-connected power plants (PP). IEC 61400-21-2 defines the measurement and test procedures for quantifying the electrical characteristics as basis for the verification of compliance of PP, including: - Power quality aspects - Steady state operation - Dynamic response (undervoltage and overvoltage fault ride-through) - Disconnection from grid (Grid protection) - Control performance IEC 61400-21-2 defines a uniform functionality test and measurement procedure for the power plant controller (PPC), as a basis for the unit test of the power plant controller. IEC 61400-21-2 defines the procedures for assessing compliance with electrical connection requirements, including the aggregation methods for power quality aspects such as voltage variations, flicker, harmonics and interharmonics. IEC 61400-21-2 defines the procedures for measurement and fault recording for the verification of power plant electrical simulation models in relation to undervoltage and overvoltage ride through events. These measurement procedures are valid for power plants, including the power plant controller and other connected equipment, necessary for the operation of the Power Plant. The measurement procedures are valid for any size of power plant connected to the point of connection (POC) at one connection point. The procedures for assessing and verifying the compliance with grid connection requirements are valid for power plants in power systems with fixed frequency and a sufficient short-circuit power. Out of the scope of this standard are: - Multi park control, i.e. cluster management of several power plants (PP) or several connection points - Compliance test and performance requirements, including pass or fail criteria - Specific component test and validation of the PP equipment (switchgear, cables, transformers, etc.), which are covered by other IEC standards - Wind power plant model validation, as defined in the IEC 61400-27-2 - Load flow calculation methods and load flow study guidelines - Test and measurement of the communication interface and system of the PP as defined in the IEC 61400-25 series NOTE For the purposes of this document, the following terms for system voltage apply, based on IEC 60038 Low voltage (LV) refers to 100 V < Un ≤ 1 kV; Medium voltage (MV) refers 106 to 1 kV < Un ≤ 35 kV; High voltage (HV) refers to 35 kV < Un ≤ 230 kV; Extra high voltage (EHV) refers to Un > 230 kV

Keel: en
Alusdokumendid: IEC 61400-21-2:2023; EN IEC 61400-21-2:2023

EVS-EN IEC 63132-5:2023

Guidance for installation procedures and tolerances of hydroelectric machines - Part 5: Bulb turbines and generators

The purpose of this guide is to establish, in a general way, suitable procedures and tolerances for the installation of bulb turbine and generator. This guide presents a typical assembly and whenever the words "turbine" and "generator" are used in this part, it refers to bulb turbine and generator. There are many possible ways to assemble a unit. The size of the machine, the design of the machine, the layout of the powerhouse, the sequence of concreting or the delivery schedule of the components are some of the elements that could result in additional steps, or the elimination of some steps and/or assembly sequences. It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it. The guide excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation. It also excluded to specifications of the civil works but this aspect of the work should be taken into consideration during the assembly of the units. Wherever the guide specifies that documents, drawings or information is supplied by a manufacturer (or by manufacturers), each individual manufacturer will furnish the appropriate information for their own supply only.

Keel: en
Alusdokumendid: IEC 63132-5:2023; EN IEC 63132-5:2023

EVS-EN IEC 63132-6:2023

Guidance for installation procedures and tolerances of hydroelectric machines - Part 6: Vertical Pelton turbines

The purpose of this document is to establish, in a general way, suitable procedures and tolerances for the installation of Pelton vertical turbines. This document presents a typical assembly and whenever the word "turbine" is used in this document, it refers to a vertical Pelton turbine. There are many possible ways to assemble a unit. The size of the machine, the design of the machine, the layout of the powerhouse or the delivery schedule of the components are some of the elements that could result in additional steps, or the elimination of some steps and/or assembly sequences. It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it. The document excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation. The tolerances in this document have been established upon best practices and experience, although it is recognized that other standards are specifying different tolerances. Wherever the document specifies that documents, drawings or information are supplied by a manufacturer (or by manufacturers), each individual manufacturer will furnish the appropriate information for their own supply only.

Keel: en
Alusdokumendid: IEC 63132-6:2023; EN IEC 63132-6:2023

29 ELEKTROTEHNIKA

EVS-EN 50341-2-18:2023

Overhead electrical lines exceeding AC 1 kV - Part 2-18: National Normative Aspects (NNA) for Sweden (based on EN 50341-1:2012)

This NNA is normative in Sweden and informative in other countries.

Keel: en
Alusdokumendid: EN 50341-2-18:2023
Asendab dokumenti: EVS-EN 50341-2-18:2016

EVS-EN IEC 60335-2-95:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: IEC 60335-2-95:2019; EN IEC 60335-2-95:2023
Asendab dokumenti: EVS-EN 60335-2-95:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A1:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A2:2019

EVS-EN IEC 60335-2-95:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: EN IEC 60335-2-95:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-95:2023

EVS-EN IEC 60947-6-1:2023

Madalpingelised lülitus- ja juhtimisaparaadid. Osa 6-1: Multifunktsionaalsed seadmed. Ülekandelülitusseadmed
Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment

This part of EN 60947 applies to transfer switching equipment (TSE) to be used in power systems with interruption of the supply to the load during transfer, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.

Keel: en
Alusdokumendid: IEC 60947-6-1:2021; EN IEC 60947-6-1:2023
Asendab dokumenti: EVS-EN 60947-6-1:2005
Asendab dokumenti: EVS-EN 60947-6-1:2005/A1:2014

EVS-EN IEC 62386-250:2023

Digital addressable lighting interface - Part 250: Particular requirements - Integrated power supply (device type 49)

This part of IEC 62386 specifies the characteristics of a bus power supply integrated in a control gear. This document builds on the digital addressable lighting interface as specified in the IEC 62386 series. This document is only applicable to control gear complying with IEC 62386-102.

Keel: en
Alusdokumendid: IEC 62386-250:2023; EN IEC 62386-250:2023

EVS-EN IEC 62386-251:2023

Digital addressable lighting interface - Part 251: Particular requirements - Memory bank 1 extension (device type 50)

This part of IEC 62386 specifies an extension to memory bank 1 to enable asset management functionality. This document builds on the digital addressable lighting interface as specified in the IEC 62386 series. This document is only applicable to control gear complying with IEC 62386-102.

Keel: en
Alusdokumendid: IEC 62386-251:2023; EN IEC 62386-251:2023

EVS-EN IEC 62386-252:2023

Digital addressable lighting interface - Part 252: Particular requirements - Energy reporting (device type 51)

This part of IEC 62386 specifies the information related to energy reporting accessible through memory banks in control gear. This document builds on the digital addressable lighting interface as specified in the IEC 62386 series, by adding specific requirements for data exchange. This document is only applicable to control gear complying with IEC 62386-102.

Keel: en
Alusdokumendid: IEC 62386-252:2023; EN IEC 62386-252:2023

EVS-EN IEC 62386-253:2023

Digital addressable lighting interface - Part 253: Particular requirements - Diagnostics and maintenance (device type 52)

This part of IEC 62386 specifies the information related to diagnostics and maintenance information accessible through memory banks. This document builds on the digital addressable lighting interface as specified in the IEC 62386 series, by adding specific requirements for data exchange. The information given for light sources in this document is specific to LED light sources. This document is only applicable to control gear complying with IEC 62386-102.

Keel: en
Alusdokumendid: IEC 62386-253:2023; EN IEC 62386-253:2023

EVS-EN IEC 62561-1:2023

Lightning protection system components (LPSC) - Part 1: Requirements for connection components

This part of IEC 62561 specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS). Typically, these can be connectors, clamps, bonding and bridging components, expansion pieces and test joints. For the purposes of this document the following connection types are considered as connection components: exothermic, brazing, welding, clamping, crimping, seaming, screwing or bolting. Testing of components for an explosive atmosphere is not covered by this document.

Keel: en
Alusdokumendid: IEC 62561-1:2023; EN IEC 62561-1:2023
Asendab dokumenti: EVS-EN 62561-1:2017

EVS-EN IEC 62819:2023

Pingealune töö. Silma-, näo- ja pea kaitsevahendid elektrikaare mõjude eest. Toimivusnõuded ja katsemeetodid
Live working - Eye, face and head protectors against the effects of electric arc - Performance requirements and test methods

This part of IEC 63275-1 gives a test method to evaluate gate threshold voltage shift of silicon carbide (SiC) power metal-oxide-semiconductor field-effect transistors (MOSFETs) using room temperature readout after applying continuous positive gate-source voltage stress at elevated temperature. The proposed method accepts a certain amount of recovery by allowing large delay times between stress and measurement (up to 10h).

Keel: en
Alusdokumendid: IEC 62819:2022; EN IEC 62819:2023

31 ELEKTROONIKA

EVS-EN IEC 60384-25:2021/AC:2023

Fixed capacitors for use in electronic equipment - Part 25: Sectional specification - Fixed aluminium electrolytic surface mount capacitors with conductive polymer solid electrolyte

Corrigendum to EN IEC 60384-25:2021

Keel: en
Alusdokumendid: IEC 60384-25:2021/COR1:2023; EN IEC 60384-25:2021/AC:2023-05
Parandab dokumenti: EVS-EN IEC 60384-25:2021

EVS-EN IEC 63287-2:2023

Semiconductor devices - Guidelines for reliability qualification plans - Part 2: Concept of mission profile

This part of IEC 63287 gives guidelines for the development of reliability qualification plans using the concept of mission profile, based on the environmental conditioning and proposed usage of the product. This document is not intended for military- and space-related applications.

Keel: en
Alusdokumendid: IEC 63287-2:2023; EN IEC 63287-2:2023

33 SIDETEHNIKA

EVS-EN IEC 55016-1-4:2019/A2:2023

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements

Amendment for EN IEC 55016-1-4:2019

Keel: en
Alusdokumendid: CISPR 16-1-4:2019/AMD2:2023; EN IEC 55016-1-4:2019/A2:2023
Muudab dokumenti: EVS-EN IEC 55016-1-4:2019
Muudab dokumenti: EVS-EN IEC 55016-1-4:2019+A1:2020

EVS-EN IEC 55016-1-4:2019+A1+A2:2023

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2019 + CISPR 16-1-4:2019/A1:2020 + CISPR 16-1-4:2019/AMD2:2023)

This part of CISPR 16 specifies the characteristics and performance of equipment for the measurement of radiated disturbances in the frequency range 9 kHz to 18 GHz. Specifications for antennas and test sites are included. NOTE In accordance with IEC Guide 107, CISPR 16-1-4 is a basic EMC publication for use by product committees of the IEC. As stated in Guide 107, product committees are responsible for determining the applicability of the EMC standard. CISPR and its sub-committees are prepared to cooperate with product committees in the evaluation of the value of particular EMC tests for specific products. The requirements of this publication apply at all frequencies and for all levels of radiated disturbances within the CISPR indicating range of the measuring equipment. Methods of measurement are covered in Part 2-3, further information on radio disturbance is given in Part 3, and uncertainties, statistics and limit modelling are covered in Part 4 of CISPR 16.

Keel: en
Alusdokumendid: CISPR 16-1-4:2019; EN IEC 55016-1-4:2019; CISPR 16-1-4:2019/A1:2020; EN IEC 55016-1-4:2019/A1:2020; CISPR 16-1-4:2019/AMD2:2023; EN IEC 55016-1-4:2019/A2:2023
Konsolideerib dokumenti: EVS-EN IEC 55016-1-4:2019
Konsolideerib dokumenti: EVS-EN IEC 55016-1-4:2019/A1:2020
Konsolideerib dokumenti: EVS-EN IEC 55016-1-4:2019/A2:2023
Konsolideerib dokumenti: EVS-EN IEC 55016-1-4:2019+A1:2020

EVS-EN IEC 60794-1-301:2023

Optical fibre cables - Part 1-301: Generic specification - Basic optical cable test procedures - Cable elements test methods - Bend test, Method G1

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements of optical fibre cable elements for the mechanical property – bending. This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

Keel: en
Alusdokumendid: IEC 60794-1-301:2023; EN IEC 60794-1-301:2023
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-23:2019

EVS-EN IEC 60794-1-303:2023

Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Ribbon dimensions - Aperture gauge, method G3

This part of IEC 60794 describes test procedures to be used in establishing uniform requirements for the geometrical properties of optical fibre ribbons. This document applies to optical fibre ribbons for use with telecommunication equipment and devices employing similar techniques, and to optical fibre ribbons for cables having a combination of both optical fibres and electrical conductors.

Keel: en
Alusdokumendid: IEC 60794-1-303:2023; EN IEC 60794-1-303:2023
Asendab osaliselt dokumenti: EVS-EN IEC 60794-1-23:2019

EVS-EN IEC 60794-1-309:2023

Optical fibre cables - Part 1-309: Generic specification - Basic optical cable test procedures - Cable element test methods - Bleeding and evaporation of filling or flooding compounds, Method G9

This part of IEC 60794 describes the test procedures to be used in establishing uniform requirements for optical fibre cable elements, filling compounds or flooding compounds, for the environmental property-bleeding and evaporation. This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. NOTE Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

Keel: en
Alusdokumendid: IEC 60794-1-309:2023; EN IEC 60794-1-309:2023

EVS-EN IEC 60794-2-22:2023

Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables for use in terminated breakout cable assemblies

This part of IEC 60794 is a detail specification and specifies breakout optical cables with multiple simplex optical fibre cables for use in terminated breakout cable assemblies.

Keel: en
Alusdokumendid: IEC 60794-2-22:2023; EN IEC 60794-2-22:2023
Asendab dokumenti: EVS-EN 60794-2-22:2017

EVS-EN IEC 60794-2-50:2023

Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies

This part of IEC 60794 is a family specification that specifies requirements for simplex and duplex optical fibre cables for use in terminated cable assemblies or as used for termination of passive components.

Keel: en
Alusdokumendid: IEC 60794-2-50:2023; EN IEC 60794-2-50:2023
Asendab dokumenti: EVS-EN IEC 60794-2-50:2020

EVS-EN IEC 61300-3-33:2022/AC:2023

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-33: Examinations and measurements - Withdrawal force from a resilient alignment sleeve using pin gauges

Corrigendum to EN IEC 61300-3-33:2022

Keel: en
Alusdokumendid: EN IEC 61300-3-33:2022/AC:2023-05; IEC 61300-3-33:2022/COR1:2023)
Parandab dokumenti: EVS-EN IEC 61300-3-33:2022

EVS-EN IEC 61744:2023

Calibration of fibre optic chromatic dispersion test sets

This document provides standard procedures for the calibration of optical fibre chromatic dispersion (CD) test sets. This document is applicable to all types of CD test sets, with the exception that measurements on multimode optical fibres are excluded. The purpose of this document is to define a standard procedure for calibrating optical fibre chromatic dispersion (CD) test sets. The detailed calibration steps used vary according to the measurement technique used in the CD test set. Whilst it is acknowledged that chromatic dispersion also occurs in multimode fibre and this fibre can be measured on many CD test sets, this document will restrict discussion to single mode fibre measurements applications only. The purpose of the procedures outlined in this document is to focus manufacturers and users of CD test sets toward the reduction of measurement uncertainty in chromatic dispersion determination in optical fibres under all applicable conditions. The procedures apply to calibration laboratories and to the manufacturers or users of CD test sets for the purpose of a) calibrating CD test sets, and b) evaluating the level of performance of the instrument. Use of the procedures also allows correct evaluation of CD test set uncertainty, relative and traceable to appropriate (for example, national) standards.

Keel: en

Alusdokumendid: IEC 61744:2023; EN IEC 61744:2023
Asendab dokumenti: EVS-EN 61744:2006

EVS-EN IEC 62769-151-1:2023
Field device integration (FDI®) - Part 151-1: Profiles - OPC UA

This part of IEC 62769 defines the protocol-specific definitions (PSDs) as defined in IEC 62769-7 for the OPC UA protocol.

Keel: en
Alusdokumendid: IEC 62769-151-1:2023; EN IEC 62769-151-1:2023

EVS-EN IEC 62769-8:2023
Field device integration (FDI®) - Part 8: EDD to OPC-UA Mapping

This part of IEC 62769 specifies how the internal view of a device model represented by the EDD can be transferred into an external view as an OPC-UA information model by mapping EDD constructs to OPC-UA objects.

Keel: en
Alusdokumendid: IEC 62769-8:2023; EN IEC 62769-8:2023

35 INFOTEHNOLOOGIA

EVS-EN 15876:2023
Electronic fee collection - Conformity evaluation of on-board and roadside equipment to EN 15509

This document specifies the test suite structure (TSS) and test purposes (TPs) for evaluation of on-board equipment (OBE) and roadside equipment (RSE) to EN 15509. Normative Annex A presents the test purposes for the OBE. Normative Annex B presents the test purposes for the RSE. Normative Annex C provides the protocol conformance test report (PCTR) proforma for OBE. Normative Annex D provides the PCTR proforma for RSE.

Keel: en
Alusdokumendid: EN 15876:2023
Asendab dokumenti: EVS-EN 15876-1:2016

EVS-EN IEC 61158-4-21:2023
Industrial communication networks - Fieldbus specifications - Part 4-21: Data-link layer protocol specification - Type 21 elements

1.1 General The DLL provides basic time-critical data communications between devices in an automated environment. Type 21 provides priority-based cyclic and acyclic data communication using an internal collision-free, full-duplex dual-port Ethernet switch technology. For wide application in various automation applications, Type 21 does not restrict the cyclic/acyclic scheduling policy in the DLL. 1.2 Specifications This part of IEC 61158 describes: a) procedures for the timely transfer of data and control information from one data link user entity to a peer user entity, and among the data link entities forming the distributed data link service provider; b) procedures for giving communication opportunities based on ISO/IEC/IEEE 8802-3 MAC, with provisions for nodes to be added or removed during normal operation; c) structure of the fieldbus data link protocol data units (DLPDUs) used for the transfer of data and control information by the protocol of this document, and their representation as physical interface data units.

Keel: en
Alusdokumendid: IEC 61158-4-21:2023; EN IEC 61158-4-21:2023
Asendab dokumenti: EVS-EN IEC 61158-4-21:2019

EVS-EN IEC 61158-4-24:2023
Industrial communication networks - Fieldbus specifications - Part 4-24: Data-link layer protocol specification - Type 24 elements

The data-link layer provides basic time-critical messaging communications between devices in an automation environment. This protocol provides communication opportunities to all participating data-link entities: • in a synchronously-starting cyclic manner, according to a pre-established schedule, or • in an acyclic manner, as requested by each of those data-link entities. Thus, this protocol can be characterized as one which provides cyclic and acyclic access asynchronously but with a synchronous restart of each cycle.

Keel: en
Alusdokumendid: IEC 61158-4-24:2023; EN IEC 61158-4-24:2023
Asendab dokumenti: EVS-EN IEC 61158-4-24:2019

EVS-EN IEC 61158-5-10:2023
Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a “window between corresponding application programs". This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 10 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure

to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 10 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service, • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and • Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 10 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-10:2023; EN IEC 61158-5-10:2023
Asendab dokumenti: EVS-EN IEC 61158-5-10:2019

EVS-EN IEC 61158-5-2:2023

Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs." This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 2 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service; • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model; and • Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE) contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-2:2023; EN IEC 61158-5-2:2023
Asendab dokumenti: EVS-EN IEC 61158-5-2:2019

EVS-EN IEC 61158-5-4:2023

Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements

The fieldbus application layer (FAL) provides user programs with a means to access the fieldbus communication environment. In this respect, the FAL can be viewed as a "window between corresponding application programs". This part of IEC 61158 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 4 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life. This document defines in an abstract way the externally visible service provided by the Type 4 fieldbus application layer in terms of: • an abstract model for defining application resources (objects) capable of being manipulated by users via the use of the FAL service; • the primitive actions and events of the service; • the parameters associated with each primitive action and event, and the form which they take; and • the interrelationship between these actions and events, and their valid sequences. The purpose of this document is to define the services provided to: • the FAL user at the boundary between the user and the application layer of the fieldbus reference model, and • Systems Management at the boundary between the application layer and Systems Management of the fieldbus reference model. This document specifies the structure and services of the Type 4 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545). FAL services and protocols are provided by FAL application-entities (AE)

contained within the application processes. The FAL AE is composed of a set of object-oriented application service elements (ASEs) and a layer management entity (LME) that manages the AE. The ASEs provide communication services that operate on a set of related application process object (APO) classes. One of the FAL ASEs is a management ASE that provides a common set of services for the management of the instances of FAL classes. Although these services specify, from the perspective of applications, how request and responses are issued and delivered, they do not include a specification of what the requesting and responding applications are to do with them. That is, the behavioral aspects of the applications are not specified; only a definition of what requests and responses they can send/receive is specified. This permits greater flexibility to the FAL users in standardizing such object behavior. In addition to these services, some supporting services are also defined in this document to provide access to the FAL to control certain aspects of its operation.

Keel: en
Alusdokumendid: IEC 61158-5-4:2023; EN IEC 61158-5-4:2023
Asendab dokumenti: EVS-EN IEC 61158-5-4:2019

EVS-EN IEC 61784-2-8:2023

Industrial networks - Profiles - Part 2-8: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 8

This part of IEC 61784-2 defines extensions of Communication Profile Family 8 (CPF 8) for Real-Time Ethernet (RTE). CPF 8 specifies a set of Real-Time Ethernet (RTE) communication profiles (CPs) and related network components based on the IEC 61158 series (Type 23), ISO/IEC/IEEE 8802-3 and other standards. For each RTE communication profile, this document also specifies the relevant RTE performance indicators and the dependencies between these RTE performance indicators. NOTE 1 All CPs are based on standards or draft standards or International Standards published by the IEC or on standards or International Standards established by other standards bodies or open standards processes. NOTE 2 The RTE communication profiles use ISO/IEC/IEEE 8802-3 communication networks and its related network components and in some cases amend those standards to obtain RTE features. NOTE 3 Some CPs of CPF 8 are specified in IEC 61784-1-8.

Keel: en
Alusdokumendid: IEC 61784-2-8:2023; EN IEC 61784-2-8:2023
Asendab dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 62439-2:2022/AC:2023

Industrial communication networks - High availability automation networks - Part 2: Media Redundancy Protocol (MRP)

Corrigendum to EN IEC 62439-2:2022

Keel: en
Alusdokumendid: EN IEC 62439-2:2022/AC:2023-05; IEC 62439-2:2021/COR1:2023
Parandab dokumenti: EVS-EN IEC 62439-2:2022

EVS-EN IEC 62769-1:2023

Field Device Integration (FDI®) - Part 1: Overview

This part of IEC 62769 describes the concepts and overview of the Field Device Integration (FDI®1) specifications. The detailed motivation for the creation of this technology is also described (see 4.1). Reading this document is helpful to understand the other parts of this multi-part standard.

Keel: en
Alusdokumendid: IEC 62769-1:2023; EN IEC 62769-1:2023
Asendab dokumenti: EVS-EN IEC 62769-1:2021

EVS-EN IEC 62769-100:2023

Field device integration (FDI®) - Part 100: Profiles - Generic protocols

This part of IEC 62769 specifies an FDI®1 profile of IEC 62769 for Generic Protocols. That means that all interfaces are defined and a host can add support for more protocols without changing its implementation. Nevertheless, there are some protocol specific definitions (PSD) that need to be specified per protocol using this profile. Annex C specifies what PSD need to be defined per protocol so that FDI® Device Packages, FDI® Communication Packages for Gateways and FDI® Communication Servers, FDI® Communication Server, Gateways and Devices supporting such a protocol can work together in a host not aware about this specific protocol. NOTE A host not using FDI® Communication Server but a proprietary mechanism for communication needs to define its own means to deal with this profile to support several protocols without changing its implementation. This is specific to the proprietary way how the communication driver is bound to the host.

Keel: en
Alusdokumendid: IEC 62769-100:2023; EN IEC 62769-100:2023
Asendab dokumenti: EVS-EN IEC 62769-100:2020

EVS-EN IEC 62769-101-1:2023

Field device Integration (FDI®) - Part 101-1: Profiles - Foundation Fieldbus H1

This part of IEC 62769 specifies an FDI®1 profile of IEC 62769 for IEC 61784-1_CP 1/1 (FOUNDATION™ Fieldbus H1).

Keel: en
Alusdokumendid: IEC 62769-101-1:2023; EN IEC 62769-101-1:2023
Asendab dokumenti: EVS-EN IEC 62769-101-1:2021

EVS-EN IEC 62769-101-2:2023
Field Device Integration (FDI®) - Part 101-2: Profiles - Foundation Fieldbus HSE

This part of IEC 62769 specifies the IEC 62769 profile for IEC 61784-1, CP 1/2 (FOUNDATION™ Fieldbus HSE).

Keel: en
Alusdokumendid: IEC 62769-101-2:2023; EN IEC 62769-101-2:2023
Asendab dokumenti: EVS-EN IEC 62769-101-2:2021

EVS-EN IEC 62769-103-1:2023
Field Device Integration (FDI®) - Part 103-1: Profiles - PROFIBUS

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-1_CP 3/1 (PROFIBUS DP) and IEC 61784-1_CP3/2 (PROFIBUS PA).

Keel: en
Alusdokumendid: IEC 62769-103-1:2023; EN IEC 62769-103-1:2023
Asendab dokumenti: EVS-EN IEC 62769-103-1:2020

EVS-EN IEC 62769-103-4:2023
Field Device Integration (FDI®) - Part 103-4: PROFINET

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-2_CP 3/4, IEC 61784-2_CP3/5 and IEC 61784-2_CP3/6 (PROFINET).

Keel: en
Alusdokumendid: IEC 62769-103-4:2023; EN IEC 62769-103-4:2023
Asendab dokumenti: EVS-EN IEC 62769-103-4:2020

EVS-EN IEC 62769-109-1:2023
Field device integration (FDI®) - Part 109-1: Profiles - HART® and WirelessHART®

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 61784-1_CP 9/1 (HART®) and IEC 61784-1_CP 9/2 (WirelessHART®).

Keel: en
Alusdokumendid: IEC 62769-109-1:2023; EN IEC 62769-109-1:2023
Asendab dokumenti: EVS-EN IEC 62769-109-1:2020

EVS-EN IEC 62769-150-1:2023
Field device integration (FDI®) - Part 150-1: Profiles - ISA100

This part of IEC 62769 specifies an FDI® profile of IEC 62769 for IEC 62734 (ISA100.11a).

Keel: en
Alusdokumendid: IEC 62769-150-1:2023; EN IEC 62769-150-1:2023
Asendab dokumenti: EVS-EN IEC 62769-150-1:2021

EVS-EN IEC 62769-2:2023
Field Device Integration (FDI®) - Part 2: Client

This part of IEC 62769 specifies the FDI®1 Client. See Annex C for some typical FDI® Client use cases. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

Keel: en
Alusdokumendid: IEC 62769-2:2023; EN IEC 62769-2:2023
Asendab dokumenti: EVS-EN IEC 62769-2:2021

EVS-EN IEC 62769-3:2023
Field Device Integration (FDI®) - Part 3: Server

This part of IEC 62769 specifies the FDI ®1 Server. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure. Annex A provides a functional description of the FDI® Server.

Keel: en
Alusdokumendid: IEC 62769-3:2023; EN IEC 62769-3:2023
Asendab dokumenti: EVS-EN IEC 62769-3:2021

EVS-EN IEC 62769-4:2023
Field Device Integration (FDI®) - Part 4: FDI Packages

This part of IEC 62769 specifies the FDI®1 Packages. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this figure.

Keel: en
Alusdokumendid: IEC 62769-4:2023; EN IEC 62769-4:2023
Asendab dokumenti: EVS-EN IEC 62769-4:2021

EVS-EN IEC 62769-5:2023

Field Device Integration (FDI®) - Part 5: FDI Information Model

This part of IEC 62769 defines the FDI®1 Information Model. One of the main tasks of the Information Model is to reflect the topology of the automation system. Therefore, it represents the devices of the automation system as well as the connecting communication networks including their properties, relationships, and the operations that can be performed on them. The types in the AddressSpace of the FDI® Server constitute some kind of catalogue, which is built from FDI® Packages. The fundamental types for the FDI® Information Model are well defined in OPC UA for Devices (IEC 62541-100). The FDI® Information Model specifies extensions for a few special cases and otherwise explains how these types are used and how the contents are built from elements of DevicePackages. The overall FDI® architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration.

Keel: en
Alusdokumendid: IEC 62769-5:2023; EN IEC 62769-5:2023
Asendab dokumenti: EVS-EN IEC 62769-5:2021

EVS-EN IEC 62769-6:2023

Field Device Integration (FDI®) - Part 6: FDI Technology Mappings

This part of IEC 62769 specifies the technology mapping for the concepts described in the Field Device Integration (FDI®1) standard. The technology mapping focuses on implementation of the components FDI® Client and User Interface Plug-in (UIP) in the specified technologies for the WORKSTATION platform and the MOBILE platform as defined in IEC 62769-4. There areindividual subparts for the currently supported technologies .NET and HTML5.

Keel: en
Alusdokumendid: IEC 62769-6:2023; EN IEC 62769-6:2023
Asendab dokumenti: EVS-EN IEC 62769-6:2021

EVS-EN IEC 62769-7:2023

Field Device Integration (FDI®) - Part 7: Communication Devices

This part of IEC 62769 specifies the elements implementing communication capabilities called Communication Devices. The overall FDI®1 architecture is illustrated in Figure 1. The architectural components that are within the scope of this document have been highlighted in this illustration. The document scope with respect to FDI® Packages is limited to Communication Devices. The Communication Server shown in Figure 1 is an example of a specific Communication Device.

Keel: en
Alusdokumendid: IEC 62769-7:2023; EN IEC 62769-7:2023
Asendab dokumenti: EVS-EN IEC 62769-7:2021

EVS-EN ISO 19156:2023

Geographic information - Observations, measurements and samples (ISO 19156:2023)

This document defines a conceptual schema for observations, for features involved in the observation process, and for features involved in sampling when making observations. These provide models for the exchange of information describing observation acts and their results, both within and between different scientific and technical communities. Observations commonly involve sampling of an ultimate feature-of-interest. This document defines a common set of sample types according to their spatial, material (for ex situ observations) or statistical nature. The schema includes relationships between sample features (sub-sampling, derived samples). This document concerns only externally visible interfaces and places no restriction on the underlying implementations other than what is needed to satisfy the interface specifications in the actual situation.

Keel: en
Alusdokumendid: ISO 19156:2023; EN ISO 19156:2023
Asendab dokumenti: EVS-EN ISO 19156:2013

45 RAUDTEETEHNIKA

EVS-EN 12929-1:2015+A1:2023

Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Üldnõuded. Osa 1: Nõuded kõikidele paigaldistele
Safety requirements for cableway installations designed to carry persons - General requirements - Part 1 Requirements for all installations

This European Standard specifies the safety requirements applicable to carriers for cableway installations designed to carry persons. This part of EN 12929 specifies the safety requirements for the general requirements for cableway installations designed to carry persons. These requirements are applied to the various types of installations and their environment. This document defines general technical characteristics and prescribes design principles and general safety requirements. It does not deal with details of operation and maintenance, nor with calculations and detailed requirements for the manufacture of components. This Part 1 does not deal with special regulations applicable to bi-cable reversible aerial ropeways without carrier truck brakes, which are the subject of Part 2. It includes requirements relating to the prevention of accidents and the protection of workers. It does not apply to cableway installations for transportation of goods or to lifts. Clause 11 describes the minimum requirements to be normatively satisfied for passageways and work areas. National regulations of a building or federal/state nature or which serve to protect particular groups of people remain unaffected. It may not always be possible for all types of cableway installation to transport all particular groups of people (e.g. persons with restricted mobility). The objective should be, however, for a cableway installation to enable the transportation of the largest possible passenger population. - The scope of the proposed amendment A1 on this standard is to modify article 10.2 on braking system in order to be in line with the text of the regulation 2016/424/

Keel: en
Alusdokumendid: EN 12929-1:2015+A1:2022
Asendab dokumenti: EVS-EN 12929-1:2015

EVS-EN 13223:2015+A1:2023

Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Ajamisüsteemid ja muud mehaanilised seadmed
Safety requirements for cableway installations designed to carry persons - Drive systems and other mechanical equipment

This European Standard specifies safety requirements for the mechanical and electrical devices of the drive system and other mechanical devices for cableway installations designed to carry persons. This standard is applicable to the various types of installations and takes into account their environment. This European Standard applies to the design, manufacture, installation, maintenance and operation of the mechanical and electrical devices of the drive system and other mechanical devices for cableway installations designed to carry persons. It includes requirements concerning the prevention of accidents and the protection of workers without prejudice to the application of national regulations. National regulations regarding building or construction or that are designed to protect particular groups of people, remain unaffected. It does not apply to installations for the transportation of goods, or to lifts. Clauses 6 to 11 apply to the mechanical and electrical devices of the drive system. Clauses 12 to 20 apply to other mechanical devices

Keel: en
Alusdokumendid: EN 13223:2015+A1:2022
Asendab dokumenti: EVS-EN 13223:2015

EVS-EN 15355:2019+A1:2023

Raudteealased rakendused. Pidurdamine. Jaotus- ja eraldusklapid
Railway applications - Braking - Distributor valves and distributor-isolating devices

This document applies to distributor valves and distributor-isolating devices. The distributor valves contained in this document are of graduable release type. Direct release types are not included. Functionally they are regarded as not containing relay valves of any type, even if the relay valves are physically an integral part of the distributor valves. This document applies to both distributor-isolating devices mounted separate from the distributor valve and distributor-isolating devices integral with the distributor valve. This document specifies the requirements for the design, testing and quality assurance of distributor valves and distributor-isolating devices. The distributor valve and distributor-isolating device are intended to be part of a brake system mounted in a vehicle with maximum length of 31 m and maximum brake pipe volume of 25 l taking into consideration brake pipe inner diameters between 25 mm and 32 mm.

Keel: en
Alusdokumendid: EN 15355:2019+A1:2023
Asendab dokumenti: EVS-EN 15355:2019

EVS-EN IEC 62847:2023

Railway applications - Rolling stock - Electrical connectors - Requirements and test methods

This International Standard retains IEC 61984:2008 as the minimum performance requirements for railway rolling stock electrical connectors. It identifies additional terms, test methods and performance requirements for single-pole and multipole connectors with rated voltages up to 1 000 V, rated currents up to 125 A per contact and frequencies below 3 MHz used for indoor and outdoor applications in railway rolling stock. This International Standard does not cover: - connectors with breaking capacity (CBCs) as defined in IEC 61984:2008, 3.2, because on board rolling stock connectors are not intended to be operated (i.e. mated and unmated) under load or when live, either by means of procedures or by the presence of interlocks, as required by IEC 61991; - non-rewirable connectors as defined in IEC 61984:2008, 3.5; - automatic couplers, due to their additional mechanical complexity and the need for more specific requirements and testing; - inter-vehicle jumpers, as they are connector and cable assemblies whose characteristics depend on those of both elements. Inter-vehicle connectors within the limits set in the scope of this International Standard are therefore covered by the agreed choice of suitable mechanical and environmental characteristics as defined by Annex B, and suggested by Annex C. This International Standard identifies the application levels for electrical connectors based on a) the severity of the service conditions in different rolling stock technologies, b) the intended use of the rolling stock, c) the location of the connector in the rolling stock system. This International Standard is not applicable to internal connections of electronic devices such as connectors for printed boards and rack-and-panel connectors.

Keel: en
Alusdokumendid: IEC 62847:2016; EN IEC 62847:2023
Asendab dokumenti: EVS-EN 50467:2011

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 4484-3:2023

Textiles and textile products - Microplastics from textile sources - Part 3: Measurement of collected material mass released from textile end products by domestic washing method (ISO 4484-3:2023)

This document specifies a method for measuring the collected material mass released from the outlet hose of a standard washing machine, described in ISO 6330, through the washing process. NOTE The washing condition of textile end products is indicated by the care labelling according to ISO 3758. This document is applicable to textile end products (including consumer textile products, such as clothing made of fleece, shirts, trousers, blouse, etc.) and home textile end products (such as, blankets,

rugs, curtains, etc.) which are composed of all fibres such as natural fibres, and man-made fibres, including mixture of the fibres that can be washed in a domestic washing machine. This document is not applicable to fabrics and cut textile products. It does not cover the test for washing machines and detergents as well.

Keel: en
Alusdokumendid: ISO 4484-3:2023; EN ISO 4484-3:2023

65 PÕLLUMAJANDUS

EVS-EN 17634:2023

Electronic cigarettes and e-liquids - Determination of nicotine delivery consistency over defined puff sequences of a number of e-cigarettes of identical type

This document specifies a method for the determination of nicotine delivery consistency between e-cigarettes (devices, consumables and combinations). This document: - defines the equipment to be used; - specifies the preparation of the samples for testing; - specifies the aerosol collection process; - specifies the analytical method. Suitable sampling procedures are described for obtaining results from within a single production batch, as well as for sampling across batches. The method in this document does not seek to demonstrate whether there is consistency between puffs generated at the start or nearer the end of a tank fill or battery charge. The latter is the aim of a separate method under development, EN 17746 Electronic cigarettes and e-liquids — Determination of nicotine delivery consistency over defined puff sequences within a single e-cigarette [1]. Two separate methods have been developed to determine consistency of nicotine delivery, pending regulatory clarity on the Tobacco Products Directive's requirement to "deliver nicotine doses at consistent levels" [2].

Keel: en
Alusdokumendid: EN 17634:2023

EVS-EN 17746:2023

Electronic cigarettes and e-liquids - Determination of nicotine delivery consistency over defined puff sequences within a single e-cigarette

This document specifies the method for the determination of nicotine delivery consistency of an electronic cigarette over the duration of use of e-liquid in the reservoir or a battery charge. This document: - defines the equipment to be used; - specifies the preparation of the e-cigarette samples for testing; - specifies the aerosol generation process; - specifies the analytical method; - specifies the determination of the test result. This document does not seek to demonstrate whether there is consistency of nicotine delivery between e-cigarettes. The latter is the aim of a separate method under development, EN 17634 Electronic cigarettes and e-liquids - Determination of nicotine delivery consistency over defined puff sequences of a number of e-cigarettes of identical type [1]. Two separate methods have been developed to determine consistency of nicotine delivery, pending regulatory clarity on the Tobacco Products Directive's requirement to "deliver nicotine doses at consistent levels" [2].

Keel: en
Alusdokumendid: EN 17746:2023

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15940:2023

Automotive fuels - Paraffinic diesel fuel from synthesis or hydrotreatment - Requirements and test methods

This document describes requirements and test methods for paraffinic diesel fuel marketed and delivered as such, containing a level of up to 7,0 % (V/V) fatty acid methyl ester (FAME). It is applicable to fuel for use in diesel engines and vehicles compatible with paraffinic diesel fuel. It specifies two classes of paraffinic diesel fuel: high cetane and normal cetane. Paraffinic diesel fuel originates from synthesis or hydrotreatment processes. NOTE 1 For general diesel engine warranty, the vehicle manufacturer needs to be consulted before use. Paraffinic automotive diesel fuel may need a validation step to confirm the compatibility of the fuel with the vehicle, which for some existing engines may still need to be done (see also the Introduction to this document). However, it is noted that paraffinic diesel fuel is extensively available and has been increasingly approved by vehicle manufacturers for usage in vehicles since the first publication of this document. NOTE 2 For the purposes of this document, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction.

Keel: en
Alusdokumendid: EN 15940:2023
Asendab dokumenti: EVS-EN 15940:2016+A1:2018

EVS-EN ISO 2613-1:2023

Analysis of natural gas - Silicon content of biomethane - Part 1: Determination of total silicon by atomic emission spectroscopy (AES) (ISO 2613-1:2023)

This document is applicable to the measurement of the total silicon content in gaseous matrices such as biomethane and biogas. Silicon is present in a gas phase contained predominantly in siloxane compounds, trimethylsilane and trimethylsilanol. The analytical form of the silicon measured in liquid phase after conducted sampling and derivatization procedure is soluble hexafluorosilicate anion stable in slightly acidified media. Total silicon is expressed as a mass of silicon in the volume of the analysed gas. This document is applicable to stated gaseous matrices with silicon concentrations up to 5 mg/m3, and it is prevalently intended for the biomethane matrices with Si mass concentration of 0,1 mg/m3 to 0,5 mg/m3. With adaptation to ensure appropriate absorption efficiency, it can be used for higher concentrations. The detection limit of the method is estimated as 0,05 mg/m3 based on a gas sample volume of 0,020 m3. All compounds present in the gas phase are volatile at the absorption and derivatization temperature and gaseous organosilicon species are trapped in absorbance media and derivatized into analytical

silicon that is measured by this method. The concentration of the silicon is measured in diluted derivatization media using atomic emission spectrometry upon atomisation/ionisation in microwave or inductively coupled plasma. Unless specified otherwise, all volumes and concentrations refer to standard reference conditions (temperature, 273 K, and pressure, 101,325 kPa). NOTE When using appropriate dilution factors, the method can also be applied for silicon concentrations above 5 mg/m3.

Keel: en
Alusdokumendid: ISO 2613-1:2023; EN ISO 2613-1:2023

77 METALLURGIA

EVS-EN 10225-3:2019+A1:2023

Weldable structural steels for fixed offshore structures - Technical delivery conditions - Part 3: Hot finished hollow sections

This document specifies requirements for weldable structural steels made of hot finished seamless and high frequency welded hollow sections to be used in the fabrication of fixed offshore structures. The following thickness limitations are given in this standard: - for seamless hollow sections up to and including 65 mm; - for HFW hollow sections up to and including 25,4 mm. Greater thicknesses can be agreed, provided the technical requirements of this European Standard are maintained. This European Standard is applicable to steels for offshore structures, designed to operate in the offshore sector but not to steels supplied for the fabrication of subsea pipelines, risers, process equipment, process piping and other utilities. It is primarily applicable to the North Sea Sector, but may also be applicable in other areas provided that due consideration is given to local conditions e.g. design temperature. NOTE This document has an informative Annex E on the prequalification of steels for fixed offshore structures in arctic areas. Minimum yield strengths up to 770 MPa are specified together with impact properties at temperatures down to -40 °C.

Keel: en
Alusdokumendid: EN 10225-3:2019+A1:2023
Asendab dokumenti: EVS-EN 10225-3:2019

79 PUIDUTEHNOLOOGIA

EVS-EN 12104:2023

Resilient floor coverings - Cork floor tiles - Specification

This document specifies the requirements for cork floor coverings made from agglomerated composition cork, with or without a decorative surface layer, with or without applied colours, supplied in tile form which are designed to be used with a factory finish and/or an in situ finish. The cork floor decorative surface layer can be made of cork or other bio-based decorative materials, e.g. wood or bamboo veneers, linoleum, leather or natural fibres. This document includes a classification system based on intensity of use which shows where cork floor tiles with a factory finish can give satisfactory service (see EN ISO 10874). It also specifies requirements for marking, labelling and packing.

Keel: en
Alusdokumendid: EN 12104:2023
Asendab dokumenti: EVS-EN 12104:2018

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 12758:2020+A1:2023

Ehitusklaas. Klaasing ja õhuheli isolatsioon. Toote kirjeldused, omaduste määramine ja tulemuste laiendamise reeglid
Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in the European Standards for basic, special basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic. This document outlines the procedure, by which glass products may be rated, according to their acoustic performance which enables assessment of compliance with the acoustic requirements of buildings. Rigorous technical analysis of measurement data remains an option, but this standard is intended to enable the derivation of simpler indices of performance, which can be adopted with confidence by non-specialists. By adopting the principles of this standard the formulation of acoustic requirements in Building Codes and for product specification to satisfy particular needs for glazing is simplified. It is recognised that the acoustic test procedures contained within EN ISO 140-1 and EN ISO 140-3 relate only to glass panes and their combinations. Although the same principles should be followed as closely as possible, it is inevitable that some compromises are necessary, because of the bulkier construction of other glazing types, e.g. glass blocks, paver units, channel-shaped glass, structural glazing and structural sealant glazing. Guidelines on how to adapt the test procedures for these glazing types are offered in Clause 4. All the considerations of this standard relate to panes of glass/glazing alone. Incorporation of them into windows may cause changes in acoustic performance as a result of other influences, e.g. frame design, frame material, glazing material/method, mounting method, air tightness, etc. Measurements of the sound insulation of complete windows (glass and frame) may be undertaken to resolve such issues.

Keel: en
Alusdokumendid: EN 12758:2019+A1:2023
Asendab dokumenti: EVS-EN 12758:2020

85 PABERITEHNOLOOGIA

EVS-EN ISO 12625-12:2023

Tissue paper and tissue products - Part 12: Determination of tensile strength of perforated lines and calculation of perforation efficiency (ISO 12625-12:2023)

This document specifies a test method for the determination of the tensile strength of perforated lines of tissue paper. It uses a tensile-testing apparatus operating with a constant rate of elongation. This method is only used for measuring machine-direction tensile strength, that is for cross-direction perforations on tissue paper. The calculation of perforation efficiency is also specified in this document.

Keel: en
Alusdokumendid: ISO 12625-12:2023; EN ISO 12625-12:2023
Asendab dokumenti: EVS-EN ISO 12625-12:2010

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12758:2020+A1:2023

Ehitusklaas. Klaasing ja õhuheli isolatsioon. Toote kirjeldused, omaduste määramine ja tulemuste laiendamise reeglid
Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

This European Standard assigns sound insulation values to all transparent, translucent and opaque glass products, described in the European Standards for basic, special basic or processed glass products, when intended to be used in glazed assemblies in buildings, and which exhibit properties of acoustic protection, either as a prime intention or as a supplementary characteristic. This document outlines the procedure, by which glass products may be rated, according to their acoustic performance which enables assessment of compliance with the acoustic requirements of buildings. Rigorous technical analysis of measurement data remains an option, but this standard is intended to enable the derivation of simpler indices of performance, which can be adopted with confidence by non-specialists. By adopting the principles of this standard the formulation of acoustic requirements in Building Codes and for product specification to satisfy particular needs for glazing is simplified. It is recognised that the acoustic test procedures contained within EN ISO 140-1 and EN ISO 140-3 relate only to glass panes and their combinations. Although the same principles should be followed as closely as possible, it is inevitable that some compromises are necessary, because of the bulkier construction of other glazing types, e.g. glass blocks, paver units, channel-shaped glass, structural glazing and structural sealant glazing. Guidelines on how to adapt the test procedures for these glazing types are offered in Clause 4. All the considerations of this standard relate to panes of glass/glazing alone. Incorporation of them into windows may cause changes in acoustic performance as a result of other influences, e.g. frame design, frame material, glazing material/method, mounting method, air tightness, etc. Measurements of the sound insulation of complete windows (glass and frame) may be undertaken to resolve such issues.

Keel: en
Alusdokumendid: EN 12758:2019+A1:2023
Asendab dokumenti: EVS-EN 12758:2020

EVS-EN 607:2023

Eaves gutters and fittings made of PVC-U - Definitions, requirements and testing

This document specifies the requirements for eaves gutters made of unplasticized poly(vinyl chloride) (PVC-U), fittings and the system intended to be used for rainwater roof drainage. It applies to: - solid wall monolayer gutters; - solid wall multilayer gutters; - solid wall fittings. The test parameters for the test methods are specified in the document. Gutters covered by this document can be used in conjunction with fittings of acrylic materials provided these products meet the applicable requirements of this document. NOTE 1 Products complying with this document can be used in conjunction with rainwater downpipes conforming to EN 12200-1 [1] and fixed with brackets complying with EN 1462 [2]. This document is applicable to PVC-U gutter systems of any shape with rubber seal or adhesive joints. NOTE 2 It is the responsibility of the purchaser or specifier to make the appropriate selections from the size range and the design to take into account their particular requirements and any relevant national regulations and installation practices or codes. NOTE 3 The term "rainwater" in this document is used also to encompass "surface water" (as defined in EN 752 [3]) run-off from buildings.

Keel: en
Alusdokumendid: EN 607:2023
Asendab dokumenti: EVS-EN 607:2005

EVS-EN IEC 60335-2-103:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This International Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part. Battery-operated drives and other d.c. supplied drives are within the scope of this standard. Dual supply drives, either mains-supplied or battery-operated, are regarded as batteryoperated drives when operated in the battery mode. Drives not intended for normal household use but which nevertheless may be a source of danger to the public, such as drives intended to be used by laymen in shops, offices, hotels,

restaurants, hospitals, in industry and on farms, are within the scope of this standard. Requirements for drives for doors that may be used in emergency routes and exits are given in Annex AA.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023; IEC 60335-2-103:2015
Asendab dokumenti: EVS-EN 60335-2-103:2015

EVS-EN IEC 60335-2-103:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023/A1:2023; IEC 60335-2-103:2015/A1:2017
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023

EVS-EN IEC 60335-2-103:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023/A2:2023

EVS-EN IEC 60335-2-103:2023/A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows

This European Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 480 V for other drives. It also covers the hazards associated with the movement of the driven part.

Keel: en
Alusdokumendid: IEC 60335-2-103:2015/A2:2019; EN IEC 60335-2-103:2023/A2:2023
Muudab dokumenti: EVS-EN IEC 60335-2-103:2023

EVS-EN IEC 60335-2-103:2023+A1+A2+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2015 + IEC 60335-2-103:2015/A1:2017 + IEC 60335-2-103:2015/A2:2019)

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric drives for horizontally and vertically moving gates, doors, garage doors and windows for household and similar purposes, their rated voltage being not more than 250 V for single-phase drives and 600 V for other drives. It also covers the hazards generated by the power transmission of the drive to the driven part of horizontally and vertically moving gates and doors, pedestrian doors and windows for household and similar purposes. Hazards associated with the movement of the driven part of horizontally and vertically moving gates and doors for household and similar purposes, are covered by this document and EN 12453. Hazards associated with the movement of the driven part of pedestrian doors are covered by this document and EN 16005. Hazards associated with the movement of the driven part of windows are covered by this document. Battery-operated drives and other d.c. supplied drives are within the scope of this standard. Dual supply drives, either mains-supplied or battery-operated, are regarded as battery-operated drives when operated in the battery mode. Drives not intended for normal household use but which nevertheless may be a source of danger to the public, such as drives intended to be used by laymen in shops, offices, hotels, restaurants, hospitals, in industry and on farms, are within the scope of this standard. NOTE Z101 Household environment includes the dwelling and its associated buildings, the garden, etc. Requirements for drives for doors that may be used in emergency routes and exits are given in EN 16005. NOTE Z102 Attention is drawn to the fact that for drives for powered pedestrians doors used in emergency routes and exits additional requirements as given in EN 16005 are applicable. NOTE 101 Examples of drives within the scope of this standard are drives for – folding doors; – revolving doors; – rolling doors; – roof windows; – sectional overhead doors; –

swinging and sliding gates or doors. Examples are shown in Figure 101. NOTE 102 Drives may be supplied with a driven part. This document deals with the reasonably foreseeable hazards presented by drives that are encountered by all persons in and around the installation place. However, in general, it does not take into account: — children playing with the appliance; — the use of the appliance by very young children; — the use of the appliance by young children without supervision. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. NOTE 103 Attention is drawn to the fact that in many countries additional requirements are specified by the national authorities responsible for the protection of labour and similar authorities. NOTE 104 This standard does not apply to drives – for vertically moving garage doors for residential use (60335-2-95); – for shutters covering doors and windows (including locations where the door is set back from the shutter), awnings, blinds and similar equipment (60335-2-97); – intended exclusively to be used by trained persons in commercial and industrial premises; – for specific purposes, such as fire doors; – for natural smoke exhaust ventilators not used as windows (EN 12101-2); – intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). – for side curtains ventilation systems – for doors on vehicles; – lock gates and dock gates; – doors on lifts; – armoured doors; – doors mainly for the retention of animals, unless they are at the site perimeter; – theatre textile curtains; – doors outside the reach of people (such as crane gantry fences); – barriers; – doors used in industrial processes; – partition walls; – turnstiles; – platform doors. NOTE 105 This standard does not apply to movement of a pedestrian door where such movement is based solely on stored energy. NOTE Z103 Within the document the terms drive and appliance are interchangeable. Products covered by this document and installed according to the manufacturer instructions do not create a noise hazard.

Keel: en
Alusdokumendid: EN IEC 60335-2-103:2023; IEC 60335-2-103:2015; EN IEC 60335-2-103:2023/A1:2023; IEC 60335-2-103:2015/A1:2017; EN IEC 60335-2-103:2023/A2:2023; IEC 60335-2-103:2015/A2:2019; EN IEC 60335-2-103:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-103:2023/A2:2023

EVS-EN IEC 60335-2-95:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: IEC 60335-2-95:2019; EN IEC 60335-2-95:2023
Asendab dokumenti: EVS-EN 60335-2-95:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A1:2015
Asendab dokumenti: EVS-EN 60335-2-95:2015/A2:2019

EVS-EN IEC 60335-2-95:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

This European Standard deals with the safety of electric drives for garage doors for residential use that open and close in a vertical direction, the rated voltage of the drives being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: EN IEC 60335-2-95:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-95:2023

EVS-EN IEC 62057-1:2023

Electrical energy meters - Test equipment, techniques and procedures - Part 1: Stationary meter test units (MTUs)

IEC 62057-1:2023 applies to stationary meter test units (MTUs) permanently installed in laboratories, used for testing and calibration of electricity meters, in particular for their type test, acceptance test and verification test. It covers the requirements for automatic MTUs for indoor laboratory application and applies to newly manufactured MTUs to test electricity meters on 50 Hz or 60 Hz networks with an AC voltage up to 600 V (phase to neutral). If meters are intended for system voltages not specified in this document, special requirements are agreed between the manufacturer and the purchaser. This document also defines the kind of tests to perform as type tests / routine tests / acceptance tests and commissioning tests for MTUs. It does not apply to: • portable reference meters and portable sources; • electricity meters; • data interfaces to the meter and test procedures of data interface; • transformer operated MTUs; • personal computers supplied together with the MTU.

Keel: en
Alusdokumendid: IEC 62057-1:2023; EN IEC 62057-1:2023

EVS-EN IEC 62561-1:2023

Lightning protection system components (LPSC) - Part 1: Requirements for connection components

This part of IEC 62561 specifies the requirements and tests for metallic connection components that form part of a lightning protection system (LPS). Typically, these can be connectors, clamps, bonding and bridging components, expansion pieces and test joints. For the purposes of this document the following connection types are considered as connection components: exothermic, brazing, welding, clamping, crimping, seaming, screwing or bolting. Testing of components for an explosive atmosphere is not covered by this document.

Keel: en
Alusdokumendid: IEC 62561-1:2023; EN IEC 62561-1:2023
Asendab dokumenti: EVS-EN 62561-1:2017

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 16598:2023

Collection of rationales for EN 1176 - Requirements

This document is a collection of rationales for EN 1176 in order to support the use of EN 1176 by providing additional information and explanations. It does not contain additional requirements it only serves as a supporting document.

Keel: en
Alusdokumendid: CEN/TR 16598:2023
Asendab dokumenti: CEN/TR 16598:2014

EVS-EN 12104:2023

Resilient floor coverings - Cork floor tiles - Specification

This document specifies the requirements for cork floor coverings made from agglomerated composition cork, with or without a decorative surface layer, with or without applied colours, supplied in tile form which are designed to be used with a factory finish and/or an in situ finish. The cork floor decorative surface layer can be made of cork or other bio-based decorative materials, e.g. wood or bamboo veneers, linoleum, leather or natural fibres. This document includes a classification system based on intensity of use which shows where cork floor tiles with a factory finish can give satisfactory service (see EN ISO 10874). It also specifies requirements for marking, labelling and packing.

Keel: en
Alusdokumendid: EN 12104:2023
Asendab dokumenti: EVS-EN 12104:2018

EVS-EN 16511:2023

Modular mechanical locked floor coverings (MMF) - Specification, requirements and test method for multilayer modular panels for floating installation

This document specifies the characteristics of multilayer mechanical locked floor covering with a wear-resistant and decorative surface layer supplied in panels (either tile or plank form). The floor panels are considered suitable for domestic and commercial levels of use and designed for floating installation. This document does not apply to resilient floor panels for loose-laying according to EN ISO 20326, to multilayer wood floorings according to EN 13489, to wood veneer floor coverings according to EN 14354, to laminate floor covering according to EN 13329, EN 14978 and EN 15468 nor to products specified in EN ISO 10581, EN ISO 10582, EN ISO 24011, EN 12104 and ISO 14486. This document is applicable to areas which are subject to frequent wetting, e.g. bathrooms, laundry rooms or saunas, only if specified by the producer. This document also includes requirements for marking and packaging. In Annex A (informative), optional properties are given. In Annex B (informative), a test method for the classification of the flexibility is given.

Keel: en
Alusdokumendid: EN 16511:2023
Asendab dokumenti: EVS-EN 16511:2014+A1:2019

EVS-EN 60335-2-99:2004/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-99: Erinõuded tööstuslikele elektrilistele tõmbekappidele
Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods

Amendment to EN 60335-2-99:2003

Keel: en
Alusdokumendid: EN 60335-2-99:2003/A11:2023
Muudab dokumenti: EVS-EN 60335-2-99:2004

EVS-EN IEC 60335-2-113:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-113: Erinõuded kosmeetika- ja iluhooldusseadmetele, sealhulgas laseritele ja intensiivvalgusallikatele
Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources

This European Standard deals with the safety of cosmetic and beauty care appliances incorporating lasers or intense light sources for household and similar purposes, where their operation relies on contact with the skin, their rated voltage being not more than 250 V

Keel: en
Alusdokumendid: IEC 60335-2-113:2016; EN IEC 60335-2-113:2023

EVS-EN IEC 60335-2-113:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-113: Erinõuded kosmeetika- ja iluhooldusseadmetele, sealhulgas laseritele ja intensiivvalgusallikatele
Household and similar electrical appliances - Safety - Part 2-113: Particular requirements for cosmetic and beauty care appliances incorporating lasers and intense light sources

This European Standard deals with the safety of cosmetic and beauty care appliances incorporating lasers or intense light sources for household and similar purposes, where their operation relies on contact with the skin, their rated voltage being not more than 250 V

Keel: en
Alusdokumendid: EN IEC 60335-2-113:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-113:2023

EVS-EN IEC 60335-2-115:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-115: Erinõuded näo- ja kehahooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances

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

Keel: en
Alusdokumendid: IEC 60335-2-115:2021; EN IEC 60335-2-115:2023; IEC 60335-2-115:2021/Cor1:2022

EVS-EN IEC 60335-2-115:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-115: Erinõuded näo- ja kehahooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-115: Particular requirements for skin beauty care appliances

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

Keel: en
Alusdokumendid: EN IEC 60335-2-115:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-115:2023

EVS-EN IEC 60335-2-23:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

60335-2-23:2016 deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V. Examples of appliances that are within the scope of this standard are: - curling combs; - curling irons; - curling rollers with separate heaters; - facial saunas; - hairdryers; - hair straighteners; - hand dryers; - heaters for detachable curlers and permanent-wave appliances. Appliances covered by this standard may incorporate steam-producing or spray-producing devices. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; children playing with the appliance. This standard does not apply to: - appliances intended exclusively for industrial purposes; - appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); - shavers, hair clippers and similar appliances; - blankets, pads, clothing and similar flexible heating appliances; - appliances for skin exposure to optical radiation; - sauna heating appliances; - cosmetic and beauty care appliances incorporating lasers and intense light sources or appliances intended for medical purposes. This sixth edition cancels and replaces the fifth edition published in 2003 including its Amendment

1 (2008) and its Amendment 2 (2012). This edition constitutes a technical revision. The principal changes in this edition as compared with the fourth edition of IEC 60335-2-23 are as follows (minor changes are not listed): - added hair straighteners to the list of examples covered by the standard; - modified 7.12 to apply to appliances, and not just to hairdryers; - added new instructions in 7.12 for hair straighteners and curling irons; - exempted fixed hairdryers and fixed hand dryers from alternative format of instructions; - excluded detachable curler surfaces from temperature rise requirement in Subclause 11.8; - clarified in Subclause 19.7 that the appliance shall not emit flame after the test; - clarified method of test and compliance criteria in Subclause 21.101; - added requirement in 22.13 to delineate handles on curling irons and hair straighteners; - in 22.103, added a requirement for protection against hair being pulled into hair dryer intake; - revised Subclause 24.101 to indicate that protective devices shall not be self-resetting and reviewed and converted notes to normative text in Subclauses 19.7, 22.32, and 25.14.

Keel: en
Alusdokumendid: IEC 60335-2-23:2016; EN IEC 60335-2-23:2023
Asendab dokumenti: EVS-EN 60335-2-23:2003
Asendab dokumenti: EVS-EN 60335-2-23:2003/A1:2008
Asendab dokumenti: EVS-EN 60335-2-23:2003/A11:2011
Asendab dokumenti: EVS-EN 60335-2-23:2003/A11:2011/AC:2012
Asendab dokumenti: EVS-EN 60335-2-23:2003/A2:2015

EVS-EN IEC 60335-2-23:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

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

Keel: en
Alusdokumendid: IEC 60335-2-23:2016/A1:2019; EN IEC 60335-2-23:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-23:2023

EVS-EN IEC 60335-2-23:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Amendment to EN IEC 60335-2-23:2023

Keel: en
Alusdokumendid: EN IEC 60335-2-23:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-23:2023

EVS-EN IEC 60335-2-23:2023+A1+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care (IEC 60335-2-23:2016 + IEC 60335-2-23:2016/A1:2019)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric appliances for the care of skin or hair of persons or animals and intended for household and similar purposes, their rated voltage being not more than 250 V. NOTE 101 Examples of appliances that are within the scope of this standard are – curling combs; – curling irons; – curling rollers with separate heaters; – facial saunas; – hairdryers; – hair straighteners; – hand dryers; – heaters for detachable curlers; – water filled foot care appliances without massage function; – permanent-wave appliances. NOTE 102 Appliances covered by this standard may incorporate steam-producing or spray-producing devices. Appliances not intended for normal household use but that nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. NOTE 103 Examples are appliances for use in hairdressing salons. This document deals with the reasonably foreseeable hazards presented by appliances and machines that are encountered by all persons. However, in general, it does not take into account: — children playing with the appliance; — the use of the appliance by very young children; — the use of the appliance by young children without supervision; — user maintenance by children, including the necessary cleaning of the appliance. It is recognized that very vulnerable people may have needs beyond the level addressed in this document. NOTE 104 Attention is drawn to the fact that – it is recognized that persons having very extensive and complex disabilities can have needs beyond the level addressed in this standard. – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 105 This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas); – shavers, hair clippers and similar appliances (IEC 60335-2-8); – blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17); – appliances for skin exposure to optical radiation (IEC 60335-2-27); – sauna heating appliances (IEC 60335-2-53); – cosmetic and beauty care appliances incorporating lasers and intense light sources (IEC 60335-2-113) – water filled foot massagers (IEC 60335-2-32); – appliances intended for medical purposes (IEC 60601). NOTE 106 A water filled foot care appliance with water jets is not considered to have a massage function.

Keel: en

Alusdokumendid: IEC 60335-2-23:2016; EN IEC 60335-2-23:2023; IEC 60335-2-23:2016/A1:2019; EN IEC 60335-2-23:2023/A1:2023; EN IEC 60335-2-23:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-23:2023/A11:2023

EVS-EN IEC 60335-2-81:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

IEC 60335-2-81:2015 deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction. It also does not take into account children playing with the appliance. It was established on the basis of the fifth edition (2010) of that standard. This third edition cancels and replaces the second edition published in 2002, its Amendment 1 (2007) and its Amendment 2 (2011). It constitutes a technical revision. The principal changes in this edition as compared with the second edition of IEC 60335-2-81 are as follows (minor changes are not listed): - requirements for washable appliances (5.3, 7.1, 7.6, 7.12); - requirements for controls in flexible cords (15.1.1, 24.2) and requirements for appliance inlets (22.105, 24.1.5, 29.1.3). The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en
Alusdokumendid: IEC 60335-2-81:2015; EN IEC 60335-2-81:2023
Asendab dokumenti: EVS-EN 60335-2-81:2003
Asendab dokumenti: EVS-EN 60335-2-81:2003/A1:2007
Asendab dokumenti: EVS-EN 60335-2-81:2003/A2:2012

EVS-EN IEC 60335-2-81:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

Muudatus standardile EN 60335-2-81:2023

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A1:2017; EN IEC 60335-2-81:2023/A1:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN IEC 60335-2-81:2023/A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

This European Standard deals with the safety of electric foot warmers and heating mats for household and similar purposes, their rated voltage being not more than 250 V.

Keel: en
Alusdokumendid: IEC 60335-2-81:2015/A2:2020; EN IEC 60335-2-81:2023/A2:2023
Muudab dokumenti: EVS-EN IEC 60335-2-81:2023

EVS-EN IEC 61591:2023

Toiduvalmistusaurude äratõmbevahendid. Toimivuse mõõtemeetodid
Cooking fume extractors - Methods for measuring performance

IEC 61591:2023 applies to cooking fume extractors incorporating a fan for the recirculation or extraction mode situated in a household kitchen. It can also be used for cooking fume extractors where the fan is mounted separately from the appliance, but controlled by the appliance when the fan is defined in the technical documentation (e.g. name plate data) and instructions for installation. This document deals also with down-draft systems arranged beside, behind or under the cooking appliance. This document defines the main performance characteristics of these appliances, which are of interest to the user, and specifies methods for measuring these characteristics. This document does not specify a classification or ranking for performance. This document does not deal with safety requirements that are in accordance with IEC 60335-1 and IEC 60335-2-31. Cooking fume extractors without fans operated by a central ventilation system are covered in EN 13141-3. This third edition cancels and replaces the second edition published in 2019. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) new definition of working point, see 3.19; b) new definition for lowest

setting and automatic setting, see 3.17 and 3.18; c) revised requirements for installation and positioning, see 6.2; d) added a normative reference ISO 5801 for the specification of the pressure compensation chamber, see Clause 10; e) separate clauses for determining the volumetric airflow and fluid dynamic efficiency, see Clauses 10 and 11; f) new approach for determining the fluid dynamic efficiency ("9-point calculation"); g) new definitions, new clause and new Annex B regarding the measurement of low-power modes; h) new Annex A: assumption for the parameter b.

Keel: en
Alusdokumendid: IEC 61591:2023; EN IEC 61591:2023
Asendab dokumenti: EVS-EN IEC 61591:2020
Asendab dokumenti: EVS-EN IEC 61591:2020/A11:2020

EVS-EN ISO 6369:2023

Ice makers for commercial use - Classification, requirements and test conditions (ISO 6369:2023)

This document specifies methods for the measurement of energy consumption, water consumption, ice production capacity and the harvested ice characteristics of ice makers with built-in condensing units for commercial use. This document does not apply to: — ice makers intended to be incorporated in appliances for household use; — ice makers with remote condensing units.

Keel: en
Alusdokumendid: ISO 6369:2023; EN ISO 6369:2023

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

CEN ISO/TR 11610:2004
Protective clothing - Vocabulary (ISO/TR 11610:2004)

Keel: en
Alusdokumendid: ISO/TR 11610:2004; CEN ISO/TR 11610:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 11610:2023
Standardi staatus: Kehtetu

EVS-EN 607:2005
Eaves gutters and fittings made of PVC-U - Definitions, requirements and testing

Keel: en
Alusdokumendid: EN 607:2004
Asendatud järgmise dokumendiga: EVS-EN 607:2023
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN 61676:2003
Elektrilised meditsiiniseadmed. Dosimeetrilised instrumendid röntgenitoru pinge mitteinvasiivseks mõõtmiseks diagnostilises radioloogias
Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology

Keel: en
Alusdokumendid: IEC 61676:2002; EN 61676:2002
Asendatud järgmise dokumendiga: EVS-EN IEC 61676:2023
Muudetud järgmise dokumendiga: EVS-EN 61676:2003/A1:2009
Standardi staatus: Kehtetu

EVS-EN 61676:2003/A1:2009
Elektrilised meditsiiniseadmed. Dosimeetrilised instrumendid röntgenitoru pinge mitteinvasiivseks mõõtmiseks diagnostilises radioloogias
Medical electrical equipment - Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology

Keel: en
Alusdokumendid: IEC 61676:2002/A1:2008; EN 61676:2002/A1:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 61676:2023
Standardi staatus: Kehtetu

EVS-EN ISO 10993-15:2009
Meditsiiniseadmete bioloogilise sobivuse hindamine. Osa 15: Metallide ja sulamite laguproduktide kindlaksmääramine ja koguseline tuvastamine
Biological evaluation of medical devices - Part 15: Identification and quantification of degradation products from metals and alloys

Keel: en
Alusdokumendid: ISO 10993-15:2000; EN ISO 10993-15:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 10993-15:2023
Standardi staatus: Kehtetu

EVS-EN ISO 7551:1999
Hambaravis kasutatavad absorbeerivad koonused
Dental absorbent points

Keel: en
Alusdokumendid: ISO 7551:1996; EN ISO 7551:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 7551:2023
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN ISO/TR 11610:2004
Protective clothing - Vocabulary (ISO/TR 11610:2004)

Keel: en
Alusdokumendid: ISO/TR 11610:2004; CEN ISO/TR 11610:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 11610:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-103:2015
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2006, modified + A1:2010, modified)

Keel: en
Alusdokumendid: EN 60335-2-103:2015; IEC 60335-2-103:2006 + A1:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-103:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for skin and hair care

Keel: en
Alusdokumendid: IEC 60335-2-23:2003; EN 60335-2-23:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A1:2008
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A2:2015
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A1:2008
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety -- Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: IEC 60335-2-23:2003/A1:2008; EN 60335-2-23:2003/A1:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A11:2011
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A11:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Parandatud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011/AC:2012
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A11:2011/AC:2012
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A11:2010/AC:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A2:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A2:2015; IEC 60335-2-23:2003/A2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances – Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: EN 60335-2-95:2015; IEC 60335-2-95:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A1:2015
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A1:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A1:2015; EN 60335-2-95:2015/A1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A2:2017; EN 60335-2-95:2015/A2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN ISO 13849-1:2015

Masinate ohutus. Juhtimissüsteemide ohutusega seotud osad. Osa 1: Kavandamise põhimõtted
Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2015)

Keel: en, et
Alusdokumendid: EN ISO 13849-1:2015; ISO 13849-1:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 13849-1:2023
Standardi staatus: Kehtetu

EVS-EN ISO 25980:2014

Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes (ISO 25980:2014)

Keel: en
Alusdokumendid: ISO 25980:2014; EN ISO 25980:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 25980:2023
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 61010-031:2015

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

Keel: en
Alusdokumendid: IEC 61010-031:2015; EN 61010-031:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-031:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 61010-031:2015+A1+A11:2021
Muudetud järgmise dokumendiga: EVS-EN 61010-031:2015/A1:2021
Muudetud järgmise dokumendiga: EVS-EN 61010-031:2015/A11:2021
Standardi staatus: Kehtetu

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

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

Keel: en
Alusdokumendid: IEC 61010-031:2015/A1:2018; EN 61010-031:2015/A1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-031:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 61010-031:2015+A1+A11:2021
Muudetud järgmise dokumendiga: EVS-EN 61010-031:2015/A11:2021
Standardi staatus: Kehtetu

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

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

Keel: en
Alusdokumendid: EN 61010-031:2015/A11:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-031:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 61010-031:2015+A1+A11:2021
Standardi staatus: Kehtetu

EVS-EN 61010-031:2015+A1+A11:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Osa 031: Ohutusnõuded käeshoitavatele elektrimõõtmis- ja katsetusseadmetele
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held and hand-manipulated probe assemblies for electrical test and measurement (IEC 61010-031:2015 + IEC 61010-031:2015/A1:2018)

Keel: en
Alusdokumendid: IEC 61010-031:2015; EN 61010-031:2015; IEC 61010-031:2015/A1:2018; EN 61010-031:2015/A1:2021; EN 61010-031:2015/A11:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 61010-031:2023
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 60534-2-5:2004

Industrial-process control valves - Part 2-5: Flow capacity - Sizing equations for fluid flow through multistage control valves with interstage recovery

Keel: en
Alusdokumendid: IEC 60534-2-5:2003; EN 60534-2-5:2003
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 60534-2-5:2004
Industrial-process control valves - Part 2-5: Flow capacity - Sizing equations for fluid flow through multistage control valves with interstage recovery

Keel: en
Alusdokumendid: IEC 60534-2-5:2003; EN 60534-2-5:2003
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-21:2019
Industrial communication networks - Fieldbus specifications - Part 4-21: Data-link layer protocol specification - Type 21 elements

Keel: en
Alusdokumendid: IEC 61158-4-21:2019; EN IEC 61158-4-21:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-21:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-24:2019
Industrial communication networks - Fieldbus specifications - Part 4-24: Data-link layer protocol specification - Type 24 elements

Keel: en
Alusdokumendid: IEC 61158-4-24:2019; EN IEC 61158-4-24:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-24:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-10:2019
Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

Keel: en
Alusdokumendid: IEC 61158-5-10:2019; EN IEC 61158-5-10:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-10:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-2:2019
Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-5-2:2019; EN IEC 61158-5-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-4:2019
Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-5-4:2019; EN IEC 61158-5-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-1:2021
Field device integration (FDI) - Part 1: Overview

Keel: en
Alusdokumendid: EN IEC 62769-1:2021; IEC 62769-1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-100:2020
Field device integration (FDI) - Part 100: Profiles - Generic protocols

Keel: en
Alusdokumendid: EN IEC 62769-100:2020; IEC 62769-100:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-100:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-101-1:2021
Field device Integration (FDI) - Part 101-1: Profiles - Foundation Fieldbus H1

Keel: en
Alusdokumendid: EN IEC 62769-101-1:2021; IEC 62769-101-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-101-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-101-2:2021
Field Device Integration (FDI) - Part 101-2: Profiles - Foundation Fieldbus HSE

Keel: en
Alusdokumendid: EN IEC 62769-101-2:2021; IEC 62769-101-2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-101-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-103-1:2020
Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS

Keel: en
Alusdokumendid: IEC 62769-103-1:2020; EN IEC 62769-103-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-103-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-103-4:2020
Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET

Keel: en
Alusdokumendid: IEC 62769-103-4:2020; EN IEC 62769-103-4:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-103-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-109-1:2020
Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®

Keel: en
Alusdokumendid: IEC 62769-109-1:2020; EN IEC 62769-109-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-109-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-150-1:2021
Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS

Keel: en
Alusdokumendid: IEC 62769-150-1:2021; EN IEC 62769-150-1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-150-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-2:2021
Field Device Integration (FDI) - Part 2: FDI Client

Keel: en
Alusdokumendid: IEC 62769-2:2021; EN IEC 62769-2:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-3:2021
Field Device Integration (FDI) - Part 3: Server

Keel: en
Alusdokumendid: IEC 62769-3:2021; EN IEC 62769-3:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-3:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-4:2021
Field Device Integration (FDI) - Part 4: FDI Packages

Keel: en
Alusdokumendid: IEC 62769-4:2021; EN IEC 62769-4:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-5:2021
Field Device Integration (FDI) - Part 5: Information Model

Keel: en
Alusdokumendid: EN IEC 62769-5:2021; IEC 62769-5:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-5:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-6:2021
Field Device Integration (FDI) - Part 6: Technology Mapping

Keel: en
Alusdokumendid: EN IEC 62769-6:2021; IEC 62769-6:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-6:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-7:2021
Field Device Integration (FDI) - Part 7: Communication devices

Keel: en
Alusdokumendid: EN IEC 62769-7:2021; IEC 62769-7:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-7:2023
Standardi staatus: Kehtetu

EVS-EN ISO 17663:2009
Welding - Quality requirements for heat treatment in connectionwith welding and allied processes

Keel: en
Alusdokumendid: ISO 17663:2009; EN ISO 17663:2009
Asendatud järgmise dokumendiga: EVS-EN ISO 17663:2023
Standardi staatus: Kehtetu

EVS-EN ISO 18274:2011
Welding consumables - Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys - Classification (ISO 18274:2010)

Keel: en
Alusdokumendid: ISO 18274:2010; EN ISO 18274:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 18274:2023
Standardi staatus: Kehtetu

EVS-EN ISO 25980:2014
Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes (ISO 25980:2014)

Keel: en
Alusdokumendid: ISO 25980:2014; EN ISO 25980:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 25980:2023
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50341-2-18:2016
Overhead electrical lines exceeding AC 1 kV - Part 2-18: National Normative Aspects (NNA) for Sweden (based on EN 50341-1:2012)

Keel: en
Alusdokumendid: EN 50341-2-18:2016
Asendatud järgmise dokumendiga: EVS-EN 50341-2-18:2023
Standardi staatus: Kehtetu

EVS-EN 50467:2011
Raudteealased rakendused. Veerem. elektrilised pistikühendusseadised, nõuded ja katsemeetodid
Railway applications - Rolling stock - Electrical connectors, requirements and test methods

Keel: en
Alusdokumendid: EN 50467:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62847:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances – Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: EN 60335-2-95:2015; IEC 60335-2-95:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A1:2015
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A2:2019
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A1:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A1:2015; EN 60335-2-95:2015/A1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A2:2017; EN 60335-2-95:2015/A2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: IEC 60335-2-97:2002+A1:2004; EN 60335-2-97:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A11:2009
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A12:2015
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A11:2009

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: EN 60335-2-97:2006/A11:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A12:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: EN 60335-2-97:2006/A12:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A2:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety -- Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: IEC 60335-2-97:2002/A2:2008; EN 60335-2-97:2006/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 60947-6-1:2005

Madalpingelised lülitus- ja juhtimisaparaadid. Osa 6-1: Multifunktsionaalsed seadmed. Automaatsed ülekandelülitusseadmed
Low-voltage switchgear and controlgear Part 6-1: Multiple function equipment – Transfer switching equipment

Keel: en
Alusdokumendid: IEC 60947-6-1:2005; EN 60947-6-1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60947-6-1:2023
Muudetud järgmise dokumendiga: EVS-EN 60947-6-1:2005/A1:2014
Standardi staatus: Kehtetu

EVS-EN 60947-6-1:2005/A1:2014

Madalpingelised lülitus- ja juhtimisaparaadid. Osa 6-1: Multifunktsionaalsed seadmed. Automaatsed ülekandelülitusseadmed
Low-voltage switchgear and controlgear -- Part 6-1: Multiple function equipment - Transfer switching equipment

Keel: en
Alusdokumendid: IEC 60947-6-1:2005/A1:2013; EN 60947-6-1:2005/A1:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 60947-6-1:2023
Standardi staatus: Kehtetu

EVS-EN 62561-1:2017

Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components

Keel: en
Alusdokumendid: IEC 62561-1:2017; EN 62561-1:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-1:2023
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 60794-2-22:2017

Optical fibre cables - Part 2-22: Indoor cables - Detail specification for multi-simplex breakout optical cables to be terminated with connectors

Keel: en
Alusdokumendid: IEC 60794-2-22:2016; EN 60794-2-22:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-2-22:2023
Standardi staatus: Kehtetu

EVS-EN 61744:2006

Calibration of fibre optic chromatic dispersion test sets

Keel: en
Alusdokumendid: IEC 61744:2005; EN 61744:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 61744:2023
Standardi staatus: Kehtetu

EVS-EN IEC 60794-1-23:2019

Optical fibre cables - Part 1-23: Generic specification - Basic optical cable test procedures - Cable element test methods

Keel: en
Alusdokumendid: IEC 60794-1-23:2019; EN IEC 60794-1-23:2019
Asendatud järgmise dokumendiga: prEN IEC 60794-1-306:2022
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-301:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-303:2023

Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-305:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-308:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 60794-1-310:2022
Standardi staatus: Kehtiv

EVS-EN IEC 60794-2-50:2020

Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies

Keel: en
Alusdokumendid: IEC 60794-2-50:2020; EN IEC 60794-2-50:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 60794-2-50:2023
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

EVS-EN 15876-1:2016

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to EN 15509 - Part 1: Test suite structure and test purposes

Keel: en
Alusdokumendid: EN 15876-1:2016
Asendatud järgmise dokumendiga: EVS-EN 15876:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-21:2019

Industrial communication networks - Fieldbus specifications - Part 4-21: Data-link layer protocol specification - Type 21 elements

Keel: en
Alusdokumendid: IEC 61158-4-21:2019; EN IEC 61158-4-21:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-21:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-24:2019

Industrial communication networks - Fieldbus specifications - Part 4-24: Data-link layer protocol specification - Type 24 elements

Keel: en
Alusdokumendid: IEC 61158-4-24:2019; EN IEC 61158-4-24:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-4-24:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-10:2019

Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements

Keel: en
Alusdokumendid: IEC 61158-5-10:2019; EN IEC 61158-5-10:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-10:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-2:2019

Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-5-2:2019; EN IEC 61158-5-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-5-4:2019

Industrial communication networks - Fieldbus specifications - Part 5-4: Application layer service definition - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-5-4:2019; EN IEC 61158-5-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-5-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61784-2:2019
Industrial communication networks - Profiles - Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC/IEEE 8802-3

Keel: en
Alusdokumendid: IEC 61784-2:2019; EN IEC 61784-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-8:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-0:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-10:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-19:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-2:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-3:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-4:2023
Osaliselt asendatud järgmise dokumendiga: EVS-EN IEC 61784-2-6:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-1:2021
Field device integration (FDI) - Part 1: Overview

Keel: en
Alusdokumendid: EN IEC 62769-1:2021; IEC 62769-1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-100:2020
Field device integration (FDI) - Part 100: Profiles - Generic protocols

Keel: en
Alusdokumendid: EN IEC 62769-100:2020; IEC 62769-100:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-100:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-101-1:2021
Field device Integration (FDI) - Part 101-1: Profiles - Foundation Fieldbus H1

Keel: en
Alusdokumendid: EN IEC 62769-101-1:2021; IEC 62769-101-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-101-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-101-2:2021
Field Device Integration (FDI) - Part 101-2: Profiles - Foundation Fieldbus HSE

Keel: en
Alusdokumendid: EN IEC 62769-101-2:2021; IEC 62769-101-2:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-101-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-103-1:2020
Field Device Integration (FDI) - Part 103-1: Profiles - PROFIBUS

Keel: en
Alusdokumendid: IEC 62769-103-1:2020; EN IEC 62769-103-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-103-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-103-4:2020
Field Device Integration (FDI) - Part 103-4: Profiles - PROFINET

Keel: en
Alusdokumendid: IEC 62769-103-4:2020; EN IEC 62769-103-4:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-103-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-109-1:2020
Field Devices Integration (FDI) - Part 109-1: Profiles - HART® and WirelessHART®

Keel: en
Alusdokumendid: IEC 62769-109-1:2020; EN IEC 62769-109-1:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-109-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-150-1:2021
Field device integration (FDI) - Part 150-1: Profiles - ISA100 WIRELESS

Keel: en
Alusdokumendid: IEC 62769-150-1:2021; EN IEC 62769-150-1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-150-1:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-2:2021
Field Device Integration (FDI) - Part 2: FDI Client

Keel: en
Alusdokumendid: IEC 62769-2:2021; EN IEC 62769-2:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-3:2021
Field Device Integration (FDI) - Part 3: Server

Keel: en
Alusdokumendid: IEC 62769-3:2021; EN IEC 62769-3:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-3:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-4:2021
Field Device Integration (FDI) - Part 4: FDI Packages

Keel: en
Alusdokumendid: IEC 62769-4:2021; EN IEC 62769-4:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-5:2021
Field Device Integration (FDI) - Part 5: Information Model

Keel: en
Alusdokumendid: EN IEC 62769-5:2021; IEC 62769-5:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-5:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-6:2021
Field Device Integration (FDI) - Part 6: Technology Mapping

Keel: en
Alusdokumendid: EN IEC 62769-6:2021; IEC 62769-6:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-6:2023
Standardi staatus: Kehtetu

EVS-EN IEC 62769-7:2021
Field Device Integration (FDI) - Part 7: Communication devices

Keel: en
Alusdokumendid: EN IEC 62769-7:2021; IEC 62769-7:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 62769-7:2023
Standardi staatus: Kehtetu

EVS-EN ISO 19156:2013
Geographic information - Observations and measurements (ISO 19156:2011)

Keel: en
Alusdokumendid: ISO 19156:2011; EN ISO 19156:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 19156:2023
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 12929-1:2015
Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Üldnõuded. Osa 1: Nõuded kõikidele paigaldistele
Safety requirements for cableway installations designed to carry persons - General requirements - Part 1: Requirements for all installations

Keel: en
Alusdokumendid: EN 12929-1:2015
Asendatud järgmise dokumendiga: EVS-EN 12929-1:2015+A1:2023
Standardi staatus: Kehtetu

EVS-EN 13223:2015

Ohutusnõuded inimeste transportimiseks mõeldud köisteepaigaldistele. Ajamisüsteemid ja muud mehaanilised seadmed
Safety requirements for cableway installations designed to carry persons - Drive systems and other mechanical equipment

Keel: en
Alusdokumendid: EN 13223:2015
Asendatud järgmise dokumendiga: EVS-EN 13223:2015+A1:2023
Standardi staatus: Kehtetu

EVS-EN 15355:2019

Raudteealased rakendused. Pidurdamine. Jaotus- ja eraldusklapid
Railway applications - Braking - Distributor valves and distributor-isolating devices

Keel: en
Alusdokumendid: EN 15355:2019
Asendatud järgmise dokumendiga: EVS-EN 15355:2019+A1:2023
Standardi staatus: Kehtetu

EVS-EN 50467:2011

Raudteealased rakendused. Veerem. elektrilised pistikühendusseadised, nõuded ja katsemeetodid
Railway applications - Rolling stock - Electrical connectors, requirements and test methods

Keel: en
Alusdokumendid: EN 50467:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62847:2023
Standardi staatus: Kehtetu

47 LAEVAEHITUS JA MERE-EHITISED

EVS-EN ISO 21487:2018

Väikelaevad. Püsipaigaldatud bensiini- ja diislikütuse paagid
Small craft - Permanently installed petrol and diesel fuel tanks (ISO 21487:2012, including Amd 1:2014 and Amd 2:2015)

Keel: en
Alusdokumendid: ISO 21487:2012; ISO 21487:2012/Amd 1:2014; ISO 21487:2012/Amd 2:2015; EN ISO 21487:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 21487:2023
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15940:2016+A1:2018

Automotive fuels - Paraffinic diesel fuel from synthesis or hydrotreatment - Requirements and test methods (Corrected version 03.2019)

Keel: en
Alusdokumendid: EN 15940:2016+A1:2018+AC:2019
Asendatud järgmise dokumendiga: EVS-EN 15940:2023
Standardi staatus: Kehtetu

77 METALLURGIA

EVS-EN 10225-3:2019

Weldable structural steels for fixed offshore structures - Technical delivery conditions - Part 3: Hot finished hollow sections

Keel: en
Alusdokumendid: EN 10225-3:2019
Asendatud järgmise dokumendiga: EVS-EN 10225-3:2019+A1:2023
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

EVS-EN 12104:2018
Resilient floor coverings - Cork floor tiles - Specification

Keel: en
Alusdokumendid: EN 12104:2018
Asendatud järgmise dokumendiga: EVS-EN 12104:2023
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 12758:2020
Ehitusklaas. Klaasing ja õhuheli isolatsioon. Toote kirjeldused, omaduste määramine ja tulemuste laiendamise reeglid
Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

Keel: en, et
Alusdokumendid: EN 12758:2019
Asendatud järgmise dokumendiga: EVS-EN 12758:2020+A1:2023
Standardi staatus: Kehtetu

85 PABERITEHNOLOOGIA

EVS-EN ISO 12625-12:2010
Tissue paper and tissue products - Part 12: Determination of tensile strength of perforated lines - Calculation of perforation efficiency

Keel: en
Alusdokumendid: ISO 12625-12:2010; EN ISO 12625-12:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 12625-12:2023
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12758:2020
Ehitusklaas. Klaasing ja õhuheli isolatsioon. Toote kirjeldused, omaduste määramine ja tulemuste laiendamise reeglid
Glass in building - Glazing and airborne sound insulation - Product descriptions, determination of properties and extension rules

Keel: en, et
Alusdokumendid: EN 12758:2019
Asendatud järgmise dokumendiga: EVS-EN 12758:2020+A1:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-103:2015
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-103: Erinõuded väravate, uste ja akende ajamitele
Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2006, modified + A1:2010, modified)

Keel: en
Alusdokumendid: EN 60335-2-103:2015; IEC 60335-2-103:2006 + A1:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-103:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances – Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: EN 60335-2-95:2015; IEC 60335-2-95:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A1:2015
Muudetud järgmise dokumendiga: EVS-EN 60335-2-95:2015/A2:2019

Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A1:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A1:2015; EN 60335-2-95:2015/A1:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-95:2015/A2:2019

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-95: Erinõuded olmekasutuslikele vertikaalselt liikuvatele garaažiustele
Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use

Keel: en
Alusdokumendid: IEC 60335-2-95:2011/A2:2017; EN 60335-2-95:2015/A2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-95:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: IEC 60335-2-97:2002+A1:2004; EN 60335-2-97:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A11:2009
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A12:2015
Muudetud järgmise dokumendiga: EVS-EN 60335-2-97:2007/A2:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A11:2009

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: EN 60335-2-97:2006/A11:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A12:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: EN 60335-2-97:2006/A12:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-97:2007/A2:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-97: Erinõuded ruloouste, markiiside, ruloode ja muude taoliste seadmete ajamitele
Household and similar electrical appliances - Safety -- Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

Keel: en
Alusdokumendid: IEC 60335-2-97:2002/A2:2008; EN 60335-2-97:2006/A2:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-97:2023
Standardi staatus: Kehtetu

EVS-EN 607:2005
Eaves gutters and fittings made of PVC-U - Definitions, requirements and testing

Keel: en
Alusdokumendid: EN 607:2004
Asendatud järgmise dokumendiga: EVS-EN 607:2023
Standardi staatus: Kehtetu

EVS-EN 62561-1:2017
Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components

Keel: en
Alusdokumendid: IEC 62561-1:2017; EN 62561-1:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 62561-1:2023
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 16598:2014
Kogumik põhjendustest standardile EN 1176. Nõuded
Collection of rationales for EN 1176 - Requirements

Keel: en, et
Alusdokumendid: CEN/TR 16598:2014
Asendatud järgmise dokumendiga: CEN/TR 16598:2023
Standardi staatus: Kehtetu

EVS-EN 12104:2018
Resilient floor coverings - Cork floor tiles - Specification

Keel: en
Alusdokumendid: EN 12104:2018
Asendatud järgmise dokumendiga: EVS-EN 12104:2023
Standardi staatus: Kehtetu

EVS-EN 16511:2014+A1:2019
Loose-laid panels - Semi-rigid multilayer modular floor covering (MMF) panels with wear resistant top layer

Keel: en
Alusdokumendid: EN 16511:2014+A1:2019
Asendatud järgmise dokumendiga: EVS-EN 16511:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for skin and hair care

Keel: en
Alusdokumendid: IEC 60335-2-23:2003; EN 60335-2-23:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A1:2008
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A2:2015
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A1:2008
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety -- Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: IEC 60335-2-23:2003/A1:2008; EN 60335-2-23:2003/A1:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A11:2011

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A11:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Parandatud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011/AC:2012
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A11:2011/AC:2012

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A11:2010/AC:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-23:2003/A11:2011
Standardi staatus: Kehtetu

EVS-EN 60335-2-23:2003/A2:2015

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-23: Erinõuded naha- ja juuksehooldusseadmetele
Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care

Keel: en
Alusdokumendid: EN 60335-2-23:2003/A2:2015; IEC 60335-2-23:2003/A2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-23:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-81:2003

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Safety of household and similar electrical appliances - Part 2-81: Particular requirements for foot warmers and heating mats

Keel: en
Alusdokumendid: IEC 60335-2-81:2002; EN 60335-2-81:2003
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-81:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-81:2003/A1:2007
Muudetud järgmise dokumendiga: EVS-EN 60335-2-81:2003/A2:2012
Standardi staatus: Kehtetu

EVS-EN 60335-2-81:2003/A1:2007

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-81: Erinõuded jalasoojenditele ja soojendusvaipadele
Safety of household and similar electrical appliances - Part 2-81: Particular requirements for foot warmers and heating mats

Keel: en
Alusdokumendid: IEC 60335-2-81:2002/A1:2007; EN 60335-2-81:2003/A1:2007
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-81:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-81:2003/A2:2012

Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats

Keel: en
Alusdokumendid: IEC 60335-2-81:2002/A2:2011; EN 60335-2-81:2003/A2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-81:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61591:2020

Toiduvalmistusaurude äratõmbevahendid. Toimivuse mõõtemeetodid
Cooking fume extractors - Methods for measuring performance

Keel: en
Alusdokumendid: IEC 61591:2019; EN IEC 61591:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 61591:2023
Muudetud järgmise dokumendiga: EVS-EN IEC 61591:2020/A11:2020
Standardi staatus: Kehtetu

EVS-EN IEC 61591:2020/A11:2020

Toiduvalmistusaurude äratõmbevahendid. Toimivuse mõõtemeetodid
Cooking fume extractors - Methods for measuring performance

Keel: en
Alusdokumendid: EN IEC 61591:2020/A11:2020
Asendatud järgmise dokumendiga: EVS-EN IEC 61591:2023
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

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

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

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

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

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

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 9300-007
Aerospace series - LOTAR -LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 007: Terms and references

This document defines the common terms, abbreviations and references used through the EN 9300 series of standard parts.

Keel: en
Alusdokumendid: prEN 9300-007
Asendab dokumenti: EVS-EN 9300-007:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 24078
Hydrogen in energy systems - Vocabulary (ISO/DIS 24078:2023)

The scope of standard on Vocabulary of Hydrogen in Energy Systems, presented in Figure 1, is aligned with the scope of JTC 6. Therefore, the work aims to cover the fields of systems, devices and connections for the production, storage, transport and transmission, measurement and use of hydrogen from renewable energy sources and other sources, in the context of the European strategy for the development and acceptance of the hydrogen market. The scope includes cross cutting items such as: terminology, Guarantee of Origin, interfaces, operational management, relevant hydrogen safety issues, training and education. Flammability and explosion limits, as well as taxation issues, are outside the scope of EN to be drafted by JTC6 WG1. Standard on the Hydrogen in Energy Systems will focus on description of the respective systems, the role of hydrogen within those and on the most principal/basic devices. The standard will not describe different types of electrolysers, nor go into the efficiency or taxation issues. Figure 1 missing

Keel: en
Alusdokumendid: ISO/DIS 24078; prEN ISO 24078

Arvamusküsitluse lõppkuupäev: 30.07.2023

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

prEN IEC 60300-3-14:2023
Dependability management - Part 3-14: Application guide - Supportability and support

This document introduces the dependability attribute of supportability (and support) and the relationship with related dependability attributes of reliability, maintainability and availability. This standard can be used at any time during an item's life to guide the planning and implementing of supportability and support activities focused on achieving an intended balance of performance, cost and risk. These capabilities can be explicit in contractual agreements and statutory obligations or implicit in commitments to stakeholders. All such activities can be tailored to the nature of the item and its conditions of use. Guidance is offered on how supportability and support activities can be applied at any life cycle stage for newly designed items, existing items available for commercial procurement, or for items during their operational life. This standard considers the life cycle implications by formally managing risks associated with the management and delivery of activities to create, operate, maintain and evolve an item to achieve its stated purpose. This document describes the: • nature of supportability and support; • role of supportability and support in achieving item value over its life; • trade-offs associated with supportability and support to achieve desired balance of cost,

performance and risk during the life of an item; • importance of aligning the structure of an organization with its objectives, with the ultimate aim of improving efficiency and effectiveness in order to deliver the required supportability and support.

Keel: en
Alusdokumendid: 56/1992/CDV; prEN IEC 60300-3-14:2023
Asendab dokumenti: EVS-EN 60300-3-14:2004

Arvamusküsitluse lõppkuupäev: 30.07.2023

11 TERVISEHOOLDUS

prEN ISO 15098
Dentistry - Dental tweezers (ISO/DIS 15098:2023)

This document specifies general requirements and test methods for metallic dental tweezers of the Meriam type and for College type. This document is not applicable to anatomical tweezers and surgical tweezers.

Keel: en
Alusdokumendid: ISO/DIS 15098; prEN ISO 15098
Asendab dokumenti: EVS-EN ISO 15098:2020

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 6872
Dentistry - Ceramic materials (ISO/DIS 6872:2023)

This International Standard specifies the requirements and the corresponding test methods for dental ceramic materials for fixed all-ceramic and metal-ceramic restorations and prostheses.

Keel: en
Alusdokumendid: ISO/DIS 6872; prEN ISO 6872
Asendab dokumenti: EVS-EN ISO 6872:2015
Asendab dokumenti: EVS-EN ISO 6872:2015/A1:2018

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 80601-2-79
Medical electrical equipment - Part 2-79: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory impairment (ISO/DIS 80601-2-79:2023)

This document applies to the basic safety and essential performance of ventilatory support equipment, as defined in 201.3.205, for ventilatory impairment, as defined in 201.3.202, hereafter also referred to as me equipment, in combination with its accessories: — intended for use in the home healthcare environment; — intended for use by a lay operator; and — intended for use with patients who have ventilatory impairment, the most fragile of these patients, would not likely experience injury with the loss of this artificial ventilation; and — not intended for patients who are dependent on artificial ventilation for their immediate life support. EXAMPLE 1 Patients with mild to moderate chronic obstructive pulmonary disease (COPD). NOTE 1 In the home healthcare environment, the supply mains is often not reliable. NOTE 2 Such ventilatory support equipment can also be used in non-critical care applications of professional health care facilities. This document is also applicable to those accessories intended by their manufacturer to be connected to the breathing system of ventilatory support equipment for ventilatory impairment, where the characteristics of those accessories can affect the basic safety or essential performance of the ventilatory support equipment for ventilatory impairment. EXAMPLE 2 Breathing sets, connectors, water traps, expiratory valve, humidifier, breathing system filter, external electrical power source, distributed alarm system. If a clause or subclause is specifically intended to be applicable to me equipment only, or to me systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to me equipment and to me systems, as relevant. Hazards inherent in the intended physiological function of me equipment or me systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012, 7.2.13 and 8.4.1. NOTE 3 Additional information can be found in IEC 60601-1:2005+AMD1:2012, 4.2. This document does not specify the requirements for: — ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12; — ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[4]; — ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84 [5] [1], the future replacement for ISO 10651-3[6]; — ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72; — ventilatory support equipment or accessories intended for ventilatory insufficiency, which are given in ISO 80601-2-80[1]; — sleep apnoea therapy me equipment, which are given in ISO 80601-2-70[7]; — continuous positive airway pressure (CPAP) me equipment; — high-frequency jet ventilators (HFJVs); — high-frequency oscillatory ventilators (HFOVs)[8]; — oxygen therapy constant flow me equipment; — cuirass or "iron-lung" ventilation equipment. This document is a document in the IEC 60601 and IEC/ISO 80601 series of documents. [1] Under preparation. Stage at the time of publication: ISO/DIS 80601-2-84:2017.

Keel: en
Alusdokumendid: ISO/DIS 80601-2-79; prEN ISO 80601-2-79
Asendab dokumenti: EVS-EN ISO 80601-2-79:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 80601-2-80

Medical electrical equipment - Part 2-80: Particular requirements for basic safety and essential performance of ventilatory support equipment for ventilatory insufficiency (ISO/DIS 80601-2-80:2023)

This document applies to the basic safety and essential performance of ventilatory support equipment, as defined in 201.3.205, for ventilatory insufficiency, as defined in 201.3.204, hereafter also referred to as me equipment, in combination with its accessories: — intended for use in the home healthcare environment; — intended for use by a lay operator; — intended for use with patients who have ventilatory insufficiency or failure, the most fragile of which would likely experience injury with the loss of this artificial ventilation; — intended for transit-operable use; — not intended for patients who are dependent on artificial ventilation for their immediate life support. EXAMPLE 1 Patients with moderate to severe chronic obstructive pulmonary disease (COPD), moderate amyotrophic lateral sclerosis (ALS), severe bronchopulmonary dysplasia or muscular dystrophy. NOTE 1 In the home healthcare environment, the supply mains is often not reliable. NOTE 2 Such ventilatory support equipment can also be used in non-critical care applications of professional health care facilities. This document is also applicable to those accessories intended by their manufacturer to be connected to the ventilator breathing system of ventilatory support equipment for ventilatory insufficiency, where the characteristics of those accessories can affect the basic safety or essential performance of the ventilatory support equipment for ventilatory insufficiency. EXAMPLE 2 Breathing sets, connectors, water traps, expiratory valve, humidifier, breathing system filter, external electrical power source, distributed alarm system. If a clause or subclause is specifically intended to be applicable to me equipment only, or to me systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to me equipment and to me systems, as relevant. Hazards inherent in the intended physiological function of me equipment or me systems within the scope of this document are not covered by specific requirements in this document except in IEC 60601-1:2005+AMD1:2012, 7.2.13 and 8.4.1. NOTE 3 Additional information can be found in IEC 60601-1:2005+AMD1:2012, 4.2. This document does not specify the requirements for: — ventilators or accessories for ventilator-dependent patients intended for critical care applications, which are given in ISO 80601-2-12; — ventilators or accessories intended for anaesthetic applications, which are given in ISO 80601-2-13[5]; — ventilators or accessories intended for the emergency medical services environment, which are given in ISO 80601-2-84[6][1], the future replacement for ISO 10651-3[7]; — ventilators or accessories intended for ventilator-dependent patients in the home healthcare environment, which are given in ISO 80601-2-72; — ventilatory support equipment or accessories intended for ventilatory impairment, which are given in ISO 80601-2-79[1]; — sleep apnoea therapy me equipment, which are given in ISO 80601-2-70[8]; — continuous positive airway pressure (CPAP) me equipment; — high-frequency jet ventilators (HFJVs); — high-frequency oscillatory ventilators (HFOVs)[9]; — oxygen therapy constant flow me equipment; — cuirass or "iron-lung" ventilation equipment. This document is a particular standard in the IEC 60601 and IEC/ISO 80601 series of documents. [1] Under preparation. Stage at the time of publication: ISO/DIS 80601-2-84:2017.

Keel: en
Alusdokumendid: ISO/DIS 80601-2-80; prEN ISO 80601-2-80
Asendab dokumenti: EVS-EN ISO 80601-2-80:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN ISO 20345:2022/prA1

Personal protective equipment - Safety footwear - Amendment 1 (ISO 20345:2021/DAM 1:2023)

Amendment to EN ISO 20345:2022

Keel: en
Alusdokumendid: ISO 20345:2021/DAmd 1; EN ISO 20345:2022/prA1
Muudab dokumenti: EVS-EN ISO 20345:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

EN ISO 20346:2022/prA1

Personal protective equipment - Protective footwear - Amendment 1 (ISO 20346:2021/DAM 1:2023)

Amendment to EN ISO 20346:2022

Keel: en
Alusdokumendid: ISO 20346:2021/DAmd 1; EN ISO 20346:2022/prA1
Muudab dokumenti: EVS-EN ISO 20346:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

EN ISO 20347:2022/prA1

Personal protective equipment - Occupational footwear - Amendment 1 (ISO 20347:2021/DAM 1:2023)

Amendment to EN ISO 20347:2022

Keel: en
Alusdokumendid: ISO 20347:2021/DAmd 1; EN ISO 20347:2022/prA1
Muudab dokumenti: EVS-EN ISO 20347:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 1143-2

Secure storage units - Requirements, classification and methods of tests for resistance to burglary - Part 2: Deposit systems

This document specifies requirements and tests methods for deposit systems, and classifies the systems according to their burglary resistance and their resistance to the theft of deposits. This document comprises two types of deposit system: — Night safes which provide depositing services for the customers of financial institutions without giving access to the content of the night safe. — Deposit safes which enable the personnel of a company to place money or valuables in safe custody without giving access to the content of the deposit safe. The installation condition for deposit safe according to this document is that the depositing functions are installed inside the premises of the company and are only disposable for the personnel of the company. NOTE Parts of a deposit system are a receiving unit, an input unit and in some cases, a chute. This document includes design requirements for deposit systems controlled by programmable controllers and for the software for these. Controller hardware testing is restricted to mechanical or electromechanical attacks of electric motors, sensors, coils and similar devices; but software testing as attempts to influence controller software or controller hardware is not part of this document. Deposit systems can have devices for functions such as user identification and/or counting and registration of money. Tests of and requirements for classification of such functions are not included. This document does not cover protection of persons using the deposit system or the prevention of fraud committed by operators of the deposit system.

Keel: en
Alusdokumendid: prEN 1143-2
Asendab dokumenti: EVS-EN 1143-2:2014

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 14972-5

Fixed firefighting systems - Water mist systems - Part 5: Test protocol for car garages for automatic nozzle systems

This document specifies the evaluation of the fire performance of water mist systems for non stacking garages, fully enclosed garages and underground garages. This document is applicable for horizontal, solid, flat ceilings with heights of 2 m and above.

Keel: en
Alusdokumendid: prEN 14972-5

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17980

Algae and algae products - Sampling - Guidelines for the definition of sampling programs and sampling protocols

This document specifies a set of principles and rules that algae producers, algae products industries, laboratories or other entities that collect algae and algae products samples can follow for the definition of their own sampling programs and sampling protocols. In the context of this document, algae are a functional group that include microalgae, macroalgae, cyanobacteria and Labyrinthulomycetes. As algae and their production processes are so diverse, this document does not define a specific sampling program and/or a specific sampling protocol. Instead, this document specifies the aspects that can be considered when defining one's own sampling program and protocol. This document describes when, where and how to draw a representative sample. For guidance on sample preparation of dry and wet samples of micro- and macroalgae, and algae products, please refer to EN 17605. This document is intended to be used for the collection of samples for lot characterization for commercial or legal/regulatory purposes. However, this document can also be used for any type of sampling of algae, including samples for quality control during production.

Keel: en
Alusdokumendid: prEN 17980

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17983

Algae and algae products - Measurement for renewable algal raw material for energy and non-energy applications

This document specifies the methods to be used for the measurement of energy content and main elements balances of algae from cultivation or from wild growth and algae products to provide biomass, intended for renewable algal raw material used as bioenergy and in bio-based products. This document does not apply to methods of algae and algae products sampling, harvesting and pre/postprocessing. This document does not apply to algae and algae products intended for the food and feed sector.

Keel: en
Alusdokumendid: prEN 17983

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62933-4-2:2023

Electric Energy Storage Systems - Part 4-2: Assessment of the environmental impact of battery failure in an electrochemical based storage system

This part of IEC 62933 defines the requirements for evaluating and reporting of the negative impact on the environment caused by the failure of a cell, flow cell, battery or flow battery in the accumulation subsystem of the battery energy storage system (BESS). The mainstream batteries currently used in BESS are classified in this document according to the type of their electrolyte. These electrolyte types are aqueous, non-aqueous or solid. In flow batteries, the aqueous electrolyte contains additionally the

dissolved electrochemically active species and recirculates from external storage volumes through the flow cells. The environmental impacts directly caused by the failure of other components of the BESS are not within the scope of this standard. IEC TS 62933-4-1 outlines notions concerning environmental issues pertaining to electrical energy storage systems. These notions relate to product life cycle, system aspects and the nature of electrical energy storage technology.

Keel: en
Alusdokumendid: 120/316/CDV; prEN IEC 62933-4-2:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 10075-2

Ergonomic principles related to mental workload - Part 2: Design principles (ISO/DIS 10075-2:2023)

This document gives guidance on the design of work systems, including task and equipment design (comprising robotics and intelligent autonomous systems) and design of the workplace, as well as working conditions with the inclusion of social and organisational factors, emphasizing mental workload and its effects, as specified in ISO 10075-1. It applies to the adequate design of work and use of human capacities, with the intention to provide for optimal working conditions with respect to health and safety, well-being, performance, and effectiveness, preventing over- as well as underload, in order to avoid the impairing effects and to foster the facilitating effects described in ISO 10075-1. Mental workload is the effect of a complex interaction of individual, technical, organizational and social factors. Thus personnel, technical, organizational and social factors and the effects of their interactions have to be taken into account in the design of work systems. However, this document includes the design of technical, organizational and social factors only and does not apply to problems of selection or training. This document provides guidelines for system design. It does not address problems of measurement of mental workload or its effects. This document refers to all kinds of human work activities (see ISO 10075-1), not only to those which would be described as cognitive or mental tasks in a restricted sense, but also to those with primarily physical workload. This document is thus relevant to all those engaged in the design and use of work systems, e.g. system and equipment designers, employers' and workers' representatives. This document is applicable to the design of new work systems as well as to the redesign of existing ones undergoing substantial revision.

Keel: en
Alusdokumendid: ISO/DIS 10075-2; prEN ISO 10075-2
Asendab dokumenti: EVS-EN ISO 10075-2:2000

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 10882-1

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles (ISO/DIS 10882-1:2023)

ISO 10882-1:2011 specifies a procedure for sampling airborne particles in the breathing zone of a person who performs welding and allied processes (the operator). It also provides details of relevant standards that specify required characteristics, performance requirements and test methods for workplace air measurement, and augments guidance provided in EN 689 on assessment strategy and measurement strategy. ISO 10882-1:2011 also specifies a procedure for making gravimetric measurements of personal exposure to airborne particles generated by welding and allied processes (welding fume) and other airborne particles generated by welding-related operations. Additionally, it provides references to suitable methods of chemical analysis, specified in other standards, to determine personal exposure to specific chemical agents present in welding fume and other airborne particles generated by welding-related operations. The general background level of airborne particles in the workplace atmosphere influences personal exposure and therefore the role of fixed-point sampling is also considered.

Keel: en
Alusdokumendid: ISO/DIS 10882-1; prEN ISO 10882-1
Asendab dokumenti: EVS-EN ISO 10882-1:2011

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 10882-2

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 2: Sampling of gases (ISO/DIS 10882-2:2023)

This part of EN ISO 10882 provides guidance for the determination of personal exposure to gases and vapours in welding and allied processes. It applies to the following thermal processes used to join, cut, surface or remove metals: (111) Manual metal arc welding (metal arc welding with covered electrode); shielded metal arc welding /USA/ (114) Self-shielded tubular-cored arc welding (131) Metal inert gas welding; MIG welding; gas metal arc welding /USA/ (135) Metal active gas welding; MAG welding; gas metal arc welding /USA/ (136) Tubular-cored metal arc welding with active gas shield; flux cored arc welding /USA/ (137) Tubular-cored metal arc welding with inert gas shield; flux cored arc welding /USA/ (141) Tungsten inert gas arc welding; TIG welding; gas tungsten arc welding /USA/ (15) Plasma arc welding; (31) Oxy-fuel gas welding; oxy-fuel gas welding /USA/ (52) Laser beam welding; (912) Flame brazing; torch brazing /USA/ (97) Braze welding; _ arc and flame gouging; _ arc and laser cutting processes; _ flame, plasma and laser and plasma cutting processes; _ metal-spraying (see EN ISO 4063). The following gases and vapours which can be produced or be present during welding and allied processes are covered: _ ozone (O3); _ carbon monoxide (CO); _ carbon dioxide (CO2); _ nitric oxide (NO) and nitrogen dioxide (NO2); _ vapours produced in the welding or cutting of metals having paint or other surface coatings. Fuel, oxidant and shielding gases used in welding and allied processes are not covered. The general background level of gases and vapours in the workplace atmosphere influences personal exposure, and therefore the role of fixed point measurements is also considered.

Keel: en
Alusdokumendid: ISO/DIS 10882-2; prEN ISO 10882-2
Asendab dokumenti: EVS-EN ISO 10882-2:2001

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 23611-2

Soil quality - Sampling of soil invertebrates - Part 2: Sampling and extraction of micro-arthropods (Collembola and Acarina) (ISO/DIS 23611-2:2023)

ISO 23611-2:2006 specifies a method for sampling, extracting and preserving collembolans and mites from field soils as a prerequisite for using these animals as bio-indicators (e.g. to assess the quality of a soil as a habitat for organisms). The sampling and extraction methods of ISO 23611-2:2006 are applicable to almost all types of soils. Exceptions may be soils from extreme climatic conditions (hard, frozen or flooded soils) and other matrices than soil, e.g. tree trunks, plants or lichens.

Keel: en
Alusdokumendid: ISO/DIS 23611-2; prEN ISO 23611-2
Asendab dokumenti: EVS-EN ISO 23611-2:2011

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 23611-5

Soil quality - Sampling of soil invertebrates - Part 5: Sampling and extraction of soil macro-invertebrates (ISO/DIS 23611-5:2023)

ISO 23611-5:2011 specifies a method for sampling, extracting and preserving macro-invertebrates from soils, including the litter zone. The proposed method is a prerequisite for using these animals as bio-indicators (e.g. to assess the quality of a soil as a habitat for organisms). The main premise of this method is rapid assessment (completing the sampling of a plot in one or two days with only basic equipment and a small number of field assistants), in order to be able to address all the taxonomic groups of soil macro-invertebrates at the same time and in the same place. The Tropical Soil Biology and Fertility (TSBF) method has evolved and some modifications have been introduced in order to use it in temperate regions. The sampling and extraction methods in ISO 23611-5:2011 are applicable to almost all types of soils, with the exception of soils in extreme climatic conditions (hard, frozen or flooded soils) and matrices other than soil, e.g. tree trunks, plants or lichens. Sampling design is specified in ISO 23611-6.

Keel: en
Alusdokumendid: ISO/DIS 23611-5; prEN ISO 23611-5
Asendab dokumenti: EVS-EN ISO 23611-5:2013

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 7726

Ergonomics of the thermal environment - Instruments for measuring and monitoring physical quantities (ISO/DIS 7726:2023)

This International Standard specifies the minimum characteristics of instruments for measuring physical quantities characterizing an environment as well as the methods for measuring the physical quantities of this environment. Its aim is simply to standardize the process of recording information leading to the determination of values of physical quantities. Other International Standards give details of the methods making use of the information obtained in accordance with this standard. This International Standard is used as a reference when establishing a) specifications for manufacturers and users of instruments for measuring the physical quantities of the environment; b) a written contract between two parties for the measurement of these quantities. It applies to the influence of hot, moderate, comfortable or cold environments on people. This Standard is applied in the cases in which comfort or human strain are the main concern and may be supersedes by other Standards.

Keel: en
Alusdokumendid: ISO/DIS 7726; prEN ISO 7726
Asendab dokumenti: EVS-EN ISO 7726:2003

Arvamusküsitluse lõppkuupäev: 30.07.2023

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 60270:2023

High-voltage test techniques - Charge-based measurement of partial discharges

This International Standard is applicable to the charge-based measurement of partial discharges which occur in electrical apparatus, components or systems when tested with alternating voltages up to 500 Hz or with direct voltage (DC). This standard – defines the terms used; – defines the quantities to be measured; – describes the measurement frequencies as well as the test and measuring circuits which may be used; – defines analogue and digital measuring methods required for common applications; – specifies methods for calibration and requirements of instruments used for calibration; – gives guidance on test procedures; – gives some assistance concerning the discrimination of partial discharges from external interference. The provisions of this standard shall be used in the drafting of specifications relating to partial discharge measurements for specific power apparatus. It deals with electrical measurements of impulsive (short-duration) partial discharges, but reference is also made to non-electrical methods primarily used for partial discharge location (see annex F). It has the status of a horizontal standard in accordance with IEC Guide 108. This horizontal standard is primarily intended for use by the relevant equipment committees in the preparation of standards in accordance with the principle laid down in IEC Guide 108. One of the responsibilities of a technical equipment committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard will not apply unless it is specifically referred to or it is included in the relevant publications. Diagnosis of the behaviour of specific power apparatus can be aided by digital processing of partial discharge data (see annex E) and also by non-electrical methods that are primarily used for partial discharge location (see annex F). This standard is primarily concerned with electrical measurement of partial discharge in terms of apparent charge for specific power apparatus made during tests with alternating voltage, but specific problems which arise when tests are made with direct voltage are considered in clause 11. The terminology, definitions, basic test circuits and procedures often also apply to tests at other frequencies, but special test

procedures and measuring system characteristics which are not considered in this standard may be required. For measurements at higher frequency ranges, see IEC TS 62478.

Keel: en
Alusdokumendid: 42/418/CDV; prEN IEC 60270:2023
Asendab dokumenti: EVS-EN 60270:2002
Asendab dokumenti: EVS-EN 60270:2002/A1:2016

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62631-3-12:2023

Dielectric and resistive properties of solid insulating materials - Part 3-12: Determination of resistive properties (DC Methods) - Volume resistance and volume resistivity, method for casting resins

This part of IEC 62631 covers method of test for the determination of volume resistance and volume resistivity of electrical insulation materials by applying DC-voltage. It covers casting resins described in IEC 60455-3-1, IEC 60455-3-2, IEC 60455-3-3, IEC 60455-3-4, IEC 60455-3-8 and similar products. For other specific types of materials other standards or the general method described in IEC 62631-3-1 may be more suitable.

Keel: en
Alusdokumendid: 112/608/CDV; prEN IEC 62631-3-12:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62836:2023

Measurement of internal electric field in insulating materials - Pressure wave propagation method

This document provides an efficient and reliable procedure to test the internal electric field in the insulating materials used for high-voltage applications, by using of the pressure wave propagation (PWP) method. It is suitable for a planar and/or coaxial geometry sample with homogeneous insulating materials and an electric field higher than 1 kV/mm, but it is also dependent on the thickness of the sample and the pressure wave generator.

Keel: en
Alusdokumendid: prEN IEC 62836:2023; 112/606/CDV

Arvamusküsitluse lõppkuupäev: 30.07.2023

19 KATSETAMINE

prEN IEC 60270:2023

High-voltage test techniques - Charge-based measurement of partial discharges

This International Standard is applicable to the charge-based measurement of partial discharges which occur in electrical apparatus, components or systems when tested with alternating voltages up to 500 Hz or with direct voltage (DC). This standard – defines the terms used; – defines the quantities to be measured; – describes the measurement frequencies as well as the test and measuring circuits which may be used; – defines analogue and digital measuring methods required for common applications; – specifies methods for calibration and requirements of instruments used for calibration; – gives guidance on test procedures; – gives some assistance concerning the discrimination of partial discharges from external interference. The provisions of this standard shall be used in the drafting of specifications relating to partial discharge measurements for specific power apparatus. It deals with electrical measurements of impulsive (short-duration) partial discharges, but reference is also made to non-electrical methods primarily used for partial discharge location (see annex F). It has the status of a horizontal standard in accordance with IEC Guide 108. This horizontal standard is primarily intended for use by the relevant equipment committees in the preparation of standards in accordance with the principle laid down in IEC Guide 108. One of the responsibilities of a technical equipment committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard will not apply unless it is specifically referred to or it is included in the relevant publications. Diagnosis of the behaviour of specific power apparatus can be aided by digital processing of partial discharge data (see annex E) and also by non-electrical methods that are primarily used for partial discharge location (see annex F). This standard is primarily concerned with electrical measurement of partial discharge in terms of apparent charge for specific power apparatus made during tests with alternating voltage, but specific problems which arise when tests are made with direct voltage are considered in clause 11. The terminology, definitions, basic test circuits and procedures often also apply to tests at other frequencies, but special test procedures and measuring system characteristics which are not considered in this standard may be required. For measurements at higher frequency ranges, see IEC TS 62478.

Keel: en
Alusdokumendid: 42/418/CDV; prEN IEC 60270:2023
Asendab dokumenti: EVS-EN 60270:2002
Asendab dokumenti: EVS-EN 60270:2002/A1:2016

Arvamusküsitluse lõppkuupäev: 30.07.2023

21 ÜLDKASUTATAVAD MASINAD JA NENDE OSAD

prEN 17976
Railway applications - Bolting of railway vehicles and components

This European standard specifies the requirements for designing, strength assessment, assembly and servicing of mechanical and electrical bolted joints made from metallic components and bolts This document is not intended for rivets, lock bolts, self-tapping screws, wood screws, thread-rolling screws, thread-forming and chipboards. This European Standard is applicable to all rail vehicles.

Keel: en
Alusdokumendid: prEN 17976

Arvamusküsitluse lõppkuupäev: 30.07.2023

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 13322-1
Transportable gas cylinders - Refillable welded steel gas cylinders - Design and construction - Part 1: Carbon steel

This document specifies minimum requirements concerning material, design, construction and workmanship, manufacturing processes and testing of refillable transportable welded carbon steel gas cylinders of water capacities up to and including 150 l for compressed, liquefied and dissolved gases. For cylinders made from high frequency induction (HFI) welded steel tubes by spinning of the end, the requirements are given in Annex A. This document is primarily for industrial gases other than LPG but can also be applied for LPG. However, for dedicated LPG cylinders, see EN 1442, Transportable refillable welded steel cylinders for liquefied petroleum gas (LPG) - Design and construction prepared by CEN/TC 286 Liquefied petroleum gas equipment and accessories.

Keel: en
Alusdokumendid: prEN 13322-1
Asendab dokumenti: EVS-EN 13322-1:2003
Asendab dokumenti: EVS-EN 13322-1:2003/A1:2006

Arvamusküsitluse lõppkuupäev: 30.06.2023

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

ISO 5210:2017 specifies the requirements for the attachment of multi-turn actuators to valves. Throughout this document, "actuator" may be understood as "actuator and/or gearbox" providing a multi-turn and/or linear output. ISO 5210:2017 specifies: - flange dimensions necessary for the attachment of actuators to industrial valves [see Figure 1 a)] or to intermediate supports [see Figure 1 b)]; - those driving component dimensions of actuators which are necessary to attach them to the driven components; - reference values for torque and thrust for flanges having the dimensions specified in this document.

Keel: en
Alusdokumendid: ISO/FDIS 5210; prEN ISO 5210
Asendab dokumenti: EVS-EN ISO 5210:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 5211
Industrial valves - Part-turn actuator attachments (ISO/FDIS 5211:2023)

This document specifies requirements for the attachment of part-turn actuators, with or without gearboxes, to industrial valves. The attachment of part-turn actuators to control valves in accordance with the requirements of this document is subject to an agreement between the supplier and the purchaser. This document specifies: — flange dimensions necessary for the attachment of part-turn actuators to industrial valves [see Figures 1 a) and 1 c)] or to intermediate supports [see Figures 1 b) and 1 d)]; — driving component dimensions of part-turn actuators necessary to attach them to the driven components; — reference values for torques for interfaces and for couplings having the dimensions specified in this document. The attachment of the intermediate support to the valve is out of the scope of this document.

Keel: en
Alusdokumendid: prEN ISO 5211; ISO/FDIS 5211:2023
Asendab dokumenti: EVS-EN ISO 5211:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 6224
Thermoplastics hoses, textile-reinforced, for general-purpose water applications - Specification (ISO/DIS 6224:2023)

This International Standard specifies the requirements for general-purpose textile-reinforced thermoplastics water-discharge hoses. Three types of hose are specified according to their operating duty requirements, i.e. their ambient and water temperature ranges: — ambient temperatures: −10 °C to +60 °C; — water temperature during operation: 0 °C to +60 °C. NOTE At water temperatures above 23 °C and particularly above 40 °C, the maximum working pressure will be reduced. These hoses are not intended to be used for conveyance of potable (drinking) water, for washing-machine inlets, as fire-fighting hoses, for special agricultural machines or as gardening hoses for the consumer market.

Keel: en
Alusdokumendid: ISO/DIS 6224; prEN ISO 6224
Asendab dokumenti: EVS-EN ISO 6224:2011

Arvamusküsitluse lõppkuupäev: 30.07.2023

25 TOOTMISTEHNOLOOGIA

prEN ISO 10882-1

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 1: Sampling of airborne particles (ISO/DIS 10882-1:2023)

ISO 10882-1:2011 specifies a procedure for sampling airborne particles in the breathing zone of a person who performs welding and allied processes (the operator). It also provides details of relevant standards that specify required characteristics, performance requirements and test methods for workplace air measurement, and augments guidance provided in EN 689 on assessment strategy and measurement strategy. ISO 10882-1:2011 also specifies a procedure for making gravimetric measurements of personal exposure to airborne particles generated by welding and allied processes (welding fume) and other airborne particles generated by welding-related operations. Additionally, it provides references to suitable methods of chemical analysis, specified in other standards, to determine personal exposure to specific chemical agents present in welding fume and other airborne particles generated by welding-related operations. The general background level of airborne particles in the workplace atmosphere influences personal exposure and therefore the role of fixed-point sampling is also considered.

Keel: en
Alusdokumendid: ISO/DIS 10882-1; prEN ISO 10882-1
Asendab dokumenti: EVS-EN ISO 10882-1:2011

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 10882-2

Health and safety in welding and allied processes - Sampling of airborne particles and gases in the operator's breathing zone - Part 2: Sampling of gases (ISO/DIS 10882-2:2023)

This part of EN ISO 10882 provides guidance for the determination of personal exposure to gases and vapours in welding and allied processes. It applies to the following thermal processes used to join, cut, surface or remove metals: (111) Manual metal arc welding (metal arc welding with covered electrode); shielded metal arc welding /USA/ (114) Self-shielded tubular-cored arc welding (131) Metal inert gas welding; MIG welding; gas metal arc welding /USA/ (135) Metal active gas welding; MAG welding; gas metal arc welding /USA/ (136) Tubular-cored metal arc welding with active gas shield; flux cored arc welding /USA/ (137) Tubular-cored metal arc welding with inert gas shield; flux cored arc welding /USA/ (141) Tungsten inert gas arc welding; TIG welding; gas tungsten arc welding /USA/ (15) Plasma arc welding; (31) Oxy-fuel gas welding; oxy-fuel gas welding /USA/ (52) Laser beam welding; (912) Flame brazing; torch brazing /USA/ (97) Braze welding; _ arc and flame gouging; _ arc and laser cutting processes; _ flame, plasma and laser and plasma cutting processes; _ metal-spraying (see EN ISO 4063). The following gases and vapours which can be produced or be present during welding and allied processes are covered: _ ozone (O3); _ carbon monoxide (CO); _ carbon dioxide (CO2); _ nitric oxide (NO) and nitrogen dioxide (NO2); _ vapours produced in the welding or cutting of metals having paint or other surface coatings. Fuel, oxidant and shielding gases used in welding and allied processes are not covered. The general background level of gases and vapours in the workplace atmosphere influences personal exposure, and therefore the role of fixed point measurements is also considered.

Keel: en
Alusdokumendid: ISO/DIS 10882-2; prEN ISO 10882-2
Asendab dokumenti: EVS-EN ISO 10882-2:2001

Arvamusküsitluse lõppkuupäev: 30.07.2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

EN ISO 24194:2022/prA1

Solar energy - Collector fields - Check of performance - Amendment 1 (ISO 24194:2022/DAM 1:2023)

Amendment to EN ISO 24194:2022

Keel: en
Alusdokumendid: ISO 24194:2022/DAmd 1; EN ISO 24194:2022/prA1
Muudab dokumenti: EVS-EN ISO 24194:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62282-6-401:2023

Fuel cell technologies - Part 6-401: Micro fuel cell power systems - Power and data interchangeability - Performance test methods for laptop computers

This document covers the requirements for the performance test methods between micro fuel cell power systems and notebook powered systems with unassuming built-in battery powered systems For this purpose, this document covers electrical performance test for the fuel cell/battery hybrid system. This document also covers performance test methods which focus on the power and data interchangeability with the micro fuel cell power system and laptop computer and other characteristics for BOP installed for laptop computer applications with fuel cell/battery hybrid system. For the power and data interchangeability with the

micro fuel cell power system and laptop computer, this document applies to both gaseous hydrogen-fuelled fuel cell power, liquid hydrogen-fuelled fuel cell power, direct methanol fuel cell power and battery hybrid power pack systems. The following fuels are considered within the scope of this standard: – gaseous hydrogen, and – methanol. This document does not apply to reformer-equipped fuel cell power systems. Block diagram of micro fuel cell power system is shown in Figure 1. This document covers configuration, the mode of hybridization, operation mode for fuel cell/battery power system.

Keel: en
Alusdokumendid: 105/982/CDV; prEN IEC 62286-6-401:2023

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN IEC 62862-1-5:2023

Solar thermal electric plants - Part 1-5: Performance code test for solar thermal electric plants

The purpose of this standard is to provide procedures and guidelines to carry out acceptance tests for solar thermal power plants, of any concentration technology, with the uncertainty level given in the ISO/IEC Guide 98-3. This standard establishes the measurements, instrumentation and techniques required for determining the following performance parameters for a given period: • Available solar radiation energy • Plant electricity consumptions • Net electricity generation • Non-solar energy • Net plant efficiency Other parameters that characterize the solar thermal power plant system features are not dealt with in this standard but are the subject of other complementary standards. Due to the variability of the sun as the energy source for a solar power plant, it is necessary to compare any measured production data (performance) of the system to a jointly agreed calculation tool serving as a reference for expected production in the specific period and under the real-time solar irradiance and other meteorological data. This standard is applicable to solar thermal power plants of any size using any concentration technology, where the sun is the main source of energy, and all elements and systems are operative. Such power plants may optionally have non-solar energy sources, such as natural gas or other renewable energies, and a thermal storage system. It is applicable to acceptance testing in such power plants, as well as in any other scenario in which their performance must be known. Acceptance tests serve for the purpose of verification of a contractual performance measure, and for establishing claims in case of non-fulfillment of performance. In this document the owner, builder, financier, and any other entity interested in knowing these features are called “parties involved.”

Keel: en
Alusdokumendid: 117/177/CDV; prEN IEC 62862-1-5:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 24078

Hydrogen in energy systems - Vocabulary (ISO/DIS 24078:2023)

The scope of standard on Vocabulary of Hydrogen in Energy Systems, presented in Figure 1, is aligned with the scope of JTC 6. Therefore, the work aims to cover the fields of systems, devices and connections for the production, storage, transport and transmission, measurement and use of hydrogen from renewable energy sources and other sources, in the context of the European strategy for the development and acceptance of the hydrogen market. The scope includes cross cutting items such as: terminology, Guarantee of Origin, interfaces, operational management, relevant hydrogen safety issues, training and education. Flammability and explosion limits, as well as taxation issues, are outside the scope of EN to be drafted by JTC6 WG1. Standard on the Hydrogen in Energy Systems will focus on description of the respective systems, the role of hydrogen within those and on the most principal/basic devices. The standard will not describe different types of electrolysers, nor go into the efficiency or taxation issues. Figure 1 missing

Keel: en
Alusdokumendid: ISO/DIS 24078; prEN ISO 24078

Arvamusküsitluse lõppkuupäev: 30.07.2023

29 ELEKTROTEHNIKA

EN 50549-1:2019/prA1:2023

Requirements for generating plants to be connected in parallel with distribution networks - Part 1: Connection to a LV distribution network - Generating plants up to and including Type B

This document specifies the technical requirements for the protection functions and the operational capabilities for generating plants, intended to operate in parallel with LV distribution networks. For practical reasons this document refers to the responsible party where requirements have to be defined by an actor other than the DSO e.g. TSO, member state, regulatory authorities according to the legal framework. Typically the DSO will inform the producer about these requirements.

Keel: en
Alusdokumendid: EN 50549-1:2019/prA1:2023
Muudab dokumenti: EVS-EN 50549-1:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

EN 50549-2:2019/prA1:2023

Requirements for generating plants to be connected in parallel with distribution networks - Part 2: Connection to a MV distribution network - Generating plants up to and including Type B

This document specifies the technical requirements for the protection functions and the operational capabilities for generating plants, intended to operate in parallel with LV distribution networks. For practical reasons this document refers to the responsible party where requirements have to be defined by an actor other than the DSO e.g. TSO, member state, regulatory authorities according to the legal framework. Typically the DSO will inform the producer about these requirements.

Keel: en
Alusdokumendid: EN 50549-2:2019/prA1:2023
Muudab dokumenti: EVS-EN 50549-2:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 50617-2:2023

Railway applications - Technical parameters of train detection systems for the interoperability of the trans-European railway system - Part 2: Axle counters

This document specifies parameters for the design and usage of axle counter systems. For this, this document specifies the technical parameters of axle counter systems associated with the magnetic field limits for RST in the context of interoperability. In addition, test methods are defined for establishing the conformity and the performance of axle counter detector. The specified parameters are structured and allocated according to their basic references as follows: — axle counter system parameters; — train based parameters; — track based parameters; — environmental and other parameters. Each parameter is defined by a short general description, the definition of the requirement, the relation to other standards and a procedure to show the fulfilment of the requirement as far as necessary. An overview on the safety relevance of each parameter is given – in the context of this document – in a separate table. This document is intended to be used to assess compliance of axle counter systems and other forms of wheel sensors used for train detection, in the context of the European Directive on the interoperability of the trans-European railway system and the associated technical specification for interoperability relating to the control-command and signalling track-side subsystems. This document can also be used for axle counter systems installed on lines which are not declared as interoperable (including metro and tram lines). For wheel sensors and wheel detectors in other applications than axle counters but utilizing the same sensors on the rail and detection circuits, transient and continuous interference can be considered as equivalent to axle counter detectors or axle counter sensors. The frequency bands and rolling stock emission limits are currently defined in the axle counter FrM as specified in the ERA/ERTMS/033281 document.

Keel: en
Alusdokumendid: prEN 50617-2:2023
Asendab dokumenti: EVS-EN 50617-2:2015
Asendab dokumenti: EVS-EN 50617-2:2015/AC:2016

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 61347-2-11:2023

Controlgear for electric light sources - Safety - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires

This document specifies safety requirements for miscellaneous electronic circuits used with luminaires for use on DC supplies up to 1 500 V or on AC supplies up to 1 000 V at 50 Hz or 60 Hz. Miscellaneous electronic circuits used with luminaires covered by this document are – control circuits of electronic controlgear (e. g. as specified in IEC 62386 series, IEC 63128 or IEC 62756); – switching circuits used in association with daylight and/or presence sensors; – circuits to assist EMC performance; – intermittence and similar devices used with lighting chains; – earth leakage or open-circuit protective devices used with neon transformers. This document does not apply to other circuits or devices for which specific IEC standards are published, such as the IEC 60669 series. Note: Such miscellaneous electronic circuits can also be used in luminaires producing optical radiation other than visible spectrum.

Keel: en
Alusdokumendid: prEN IEC 61347-2-11:2023; 34C/1578/CDV
Asendab dokumenti: EVS-EN 61347-2-11:2002
Asendab dokumenti: EVS-EN 61347-2-11:2002/A1:2019
Asendab dokumenti: EVS-EN 61347-2-11:2002/AC:2011

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62631-3-12:2023

Dielectric and resistive properties of solid insulating materials - Part 3-12: Determination of resistive properties (DC Methods) - Volume resistance and volume resistivity, method for casting resins

This part of IEC 62631 covers method of test for the determination of volume resistance and volume resistivity of electrical insulation materials by applying DC-voltage. It covers casting resins described in IEC 60455-3-1, IEC 60455-3-2, IEC 60455-3-3, IEC 60455-3-4, IEC 60455-3-8 and similar products. For other specific types of materials other standards or the general method described in IEC 62631-3-1 may be more suitable.

Keel: en
Alusdokumendid: 112/608/CDV; prEN IEC 62631-3-12:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 62836:2023

Measurement of internal electric field in insulating materials - Pressure wave propagation method

This document provides an efficient and reliable procedure to test the internal electric field in the insulating materials used for high-voltage applications, by using of the pressure wave propagation (PWP) method. It is suitable for a planar and/or coaxial geometry sample with homogeneous insulating materials and an electric field higher than 1 kV/mm, but it is also dependent on the thickness of the sample and the pressure wave generator.

Keel: en

Alusdokumendid: prEN IEC 62836:2023; 112/606/CDV

Arvamusküsitluse lõppkuupäev: 30.07.2023

33 SIDETEHNIKA

prEN IEC 60875-1:2023

Fibre optic interconnecting devices and passive components - Non-wavelength-selective fibre optic branching devices - Part 1: Generic specification

This part of IEC 60875 applies to non-wavelength-selective fibre optic branching devices, all exhibiting the following features: – they are passive, in that they contain no optoelectronic or other transducing elements; – they have three or more ports for the entry and/or exit of optical power, and share optical power among these ports in a predetermined fashion; – the ports are optical fibres, or optical fibre connectors. This document establishes uniform requirements for the optical, mechanical and environmental properties.

Keel: en
Alusdokumendid: 86B/4754/CDV; prEN IEC 60875-1:2023
Asendab dokumenti: EVS-EN 60875-1:2015

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 61753-082-02:2023

Fibre optic interconnecting devices and passive components performance standard - Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 µm WWDM devices for category C - Indoor controlled environment

This part of IEC 61753 contains the minimum initial test and measurement requirements and severities which a fibre optic 1,31/1,55 µm wide wavelength division multiplexing (WWDM) device satisfies in order to be categorised as meeting the requirements of categorie C (Indoor controlled environment), as defined in Annex A of IEC 61753-1: 2018. WWDM is defined in IEC 62074-1.

Keel: en
Alusdokumendid: 86B/4755/CDV; prEN IEC 61753-082-02:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 61978-1:2023

Fibre optic interconnecting devices and passive components - Fibre optic passive chromatic dispersion compensators - Part 1: Generic specification

This part of IEC 61978 applies to fibre optic passive chromatic dispersion compensators, all exhibiting the following features: – they are optically passive; – they have an optical input and an optical output for transmitting optical power; – the ports are optical fibres or optical fibre connectors; – they are wavelength sensitive; – they may be polarization sensitive. This document establishes uniform requirements for the passive chromatic dispersion compensator.

Keel: en
Alusdokumendid: 86B/4753/CDV; prEN IEC 61978-1:2023
Asendab dokumenti: EVS-EN 61978-1:2014

Arvamusküsitluse lõppkuupäev: 30.07.2023

35 INFOTEHNOLOOGIA

prEN 9300-007

Aerospace series - LOTAR -LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 007: Terms and references

This document defines the common terms, abbreviations and references used through the EN 9300 series of standard parts.

Keel: en
Alusdokumendid: prEN 9300-007
Asendab dokumenti: EVS-EN 9300-007:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN IEC 61406-2:2023

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

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

Keel: en
Alusdokumendid: 65E/1000/CDV; prEN IEC 61406-2:2023

Arvamusküsitluse lõppkuupäev: 30.07.2023

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 16604-10

Space sustainability - Space debris mitigation requirements (ISO 24113:2019, modified)

This document defines the primary space debris mitigation requirements applicable to all elements of systems launched into, or passing through, near-Earth space, including launch vehicle orbital stages, operating spacecraft and any objects released as part of normal operations or disposal actions. The requirements contained in this document are intended to reduce the growth of space debris by ensuring that spacecraft and launch vehicle orbital stages are designed, operated and disposed of in a manner that prevents them from generating debris throughout their orbital lifetime. This document is the top-level standard in a family of standards addressing debris mitigation. It will be the main interface for the user, bridging between the primary debris mitigation requirements and the lower-level implementation standards that will ensure compliance. This document does not cover launch phase safety for which specific rules are defined elsewhere. This document identifies the clauses and requirements (including notes and clarifications) modified or added with respect to the standard ISO 24113, Space systems - Space debris mitigation requirements, Third edition 2019-07 (referred to as ISO 24113:2019) for application of the European Space standard based on ECSS.

Keel: en
Alusdokumendid: prEN 16604-10
Asendab dokumenti: EVS-EN 16604-10:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 4530-004

Aerospace series - Sealing sleeves used in elements of connection - Part 004: Sealing sleeves for external diameter cable 3 mm to 5,8 mm - Product standard

This document specifies the required characteristics and test applicable to sealing sleeves used in elements of connection according to EN 3155 002 and EN 4530 002.

Keel: en
Alusdokumendid: prEN 4530-004

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 6049-005

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 005: Sleeve flexible, post installation - Product standard

This document specifies the characteristics of post installation flexible mechanical protection sleeves for electrical cable and cable bundles made from meta-aramid fibres and provided with a water repellent protection.

Keel: en
Alusdokumendid: prEN 6049-005
Asendab dokumenti: EVS-EN 6049-005:2015

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 6059-203

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 203: Coverage

This document specifies methods for measuring and calculating the coverage of protection sleeve for electrical cable and cable bundles. It is presupposed to be used together with EN 6059-100.

Keel: en
Alusdokumendid: prEN 6059-203

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 6059-505

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 505: Lightning strike, current and voltage pulse

This document specifies a method to measure the ability of a protective sleeve to withstand specified severities of simulated lightning strikes.

Keel: en
Alusdokumendid: prEN 6059-505

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 9300-007

Aerospace series - LOTAR -LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 007: Terms and references

This document defines the common terms, abbreviations and references used through the EN 9300 series of standard parts.

Keel: en
Alusdokumendid: prEN 9300-007
Asendab dokumenti: EVS-EN 9300-007:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

prEN ISO 21898

Packaging - Flexible intermediate bulk containers (FIBCs) for non-dangerous goods (ISO/DIS 21898:2023)

ISO 21898:2004 specifies materials, construction and design requirements, type test, certification and marking requirements for flexible intermediate bulk containers (FIBCs) intended to contain non-dangerous solid materials in powder, granular or paste form, and designed to be lifted from above by integral or detachable devices. Guidance is also provided on the selection and safe usage of FIBCs.

Keel: en
Alusdokumendid: ISO/DIS 21898; prEN ISO 21898
Asendab dokumenti: EVS-EN ISO 21898:2005

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 7965-1

Packaging - Drop test - Part 1: Paper sacks (ISO/DIS 7965-1:2023)

This document specifies a method of vertical impact testing on a filled paper sack by dropping. It is performed either as a single test to investigate the effects of vertical impact or as part of a sequence of tests designed to measure the ability of a sack to withstand a distribution system that includes a vertical impact hazard. This document specifies the testing procedure and how the results of tests are presented. It is based on ISO 2248 but is specifically related to paper sacks.

Keel: en
Alusdokumendid: ISO/DIS 7965-1; prEN ISO 7965-1
Asendab dokumenti: EVS-EN 27965-1:2003

Arvamusküsitluse lõppkuupäev: 30.07.2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 13426-2

Geotextiles and geotextile-related products - Strength of internal structural junctions - Part 2: Geocomposites (ISO/DIS 13426-2:2023)

This document describes index tests for determining the strength of the internal structural junctions under different loading conditions of all geocomposites and of clay geosynthetic barriers .

Keel: en
Alusdokumendid: ISO/DIS 13426-2; prEN ISO 13426-2
Asendab dokumenti: EVS-EN ISO 13426-2:2005

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN ISO 2411

Rubber- or plastics-coated fabrics - Determination of coating adhesion (ISO/DIS 2411:2023)

ISO 2411:2017 specifies a method of determining the coating adhesion strength of coated fabrics.

Keel: en
Alusdokumendid: ISO/DIS 2411; prEN ISO 2411
Asendab dokumenti: EVS-EN ISO 2411:2017

Arvamusküsitluse lõppkuupäev: 30.07.2023

65 PÕLLUMAJANDUS

prEN 17703

Plant biostimulants - Determination of chromium(VI)

This document was developed to provide a method for verifying that hexavalent chromium (CrVI) is not present in plant biostimulants in a concentration that exceeds the respective limits outlined in the EU Regulation on Fertilising Products [1]. This document is applicable to all types of plant biostimulants (solid and liquid) used in agriculture. The method described is suitable to quantify the chromium(VI) content in plant biostimulants down to 2 mg/kg. The results obtained from this method are strictly

dependent on the extraction conditions. Results obtained by using other extraction procedures (extraction solution, pH, extraction time, etc.) are not comparable with the results produced by the procedure described in this document. Therefore, this document is highly recommended to quantify the chromium(VI) content in blends of fertilizing products containing plant biostimulants, independently of the percentage of the different parts forming the blend.

Keel: en
Alusdokumendid: prEN 17703
Asendab dokumenti: CEN/TS 17703:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17705
Plant biostimulants - Determination of phosphonates

This document specifies a method for the extraction and determination of phosphonates (P-PO3) in plant biostimulants using ion chromatography and conductivity detection (IC-CD). This document is applicable to the fertilizing product blends belonging to PFC 7 where the EU fertilising product plant biostimulant contained in the blend represents the highest % by mass in the blend. In case of equal shares, the user may apply either this or the standard(s) applicable to the other component product(s).

Keel: en
Alusdokumendid: prEN 17705
Asendab dokumenti: CEN/TS 17705:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17706
Plant biostimulants - Determination of inorganic arsenic

This document specifies a method for extraction, separation, and determination of inorganic arsenic (iAs) in plant biostimulants using anion-exchange high performance liquid chromatography (HPLC) or ion chromatography (IC) coupled to ICP-MS. This document is applicable to the fertilizing product blends belonging to PFC 7 where the EU fertilising product plant biostimulant contained in the blend represents the highest % by mass in the blend. In case of equal shares, the user can apply either this or the standard(s) applicable to the other component product(s).

Keel: en
Alusdokumendid: prEN 17706
Asendab dokumenti: CEN/TS 17706:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

67 TOIDUAINETE TEHNOLOOGIA

prEN ISO 17174
Molecular biomarker analysis - DNA barcoding of fish and fish products using defined mitochondrial cytochrome b and cytochrome c oxidase I gene segments (ISO/DIS 17174:2023)

This document describes a procedure for the identification of single fish and fish fillets to the level of genus or species. The identification of fish species is carried out by PCR amplification of either a segment of the mitochondrial cytochrome b gene (cytb) [1] or the cytochrome c oxidase I gene (cox1, syn COI) [2], [3] or both, followed by sequencing of the PCR products and subsequent sequence comparison with entries in databases [4], [5]. The methodology allows the identification of a large number of commercially important fish species. The decision whether the cytb or cox1 gene segment or both are used for fish identification depends on the declared fish species, the applicability of the PCR method for the fish species and the availability of comparative sequences in the public databases. This method has been successfully validated on raw fish fillets, however, laboratory experience is available that it can also be applied to processed, e.g. cold smoked, hot smoked, salted, frozen, cooked, fried, deep fried samples. This document is usually unsuitable for the analysis of highly processed foods, e.g. tins of fish, with highly degraded DNA where the fragment lengths are not sufficient for amplification of the targets. Furthermore, it is not applicable for complex fish products containing mixtures of two or more fish species.

Keel: en
Alusdokumendid: ISO/DIS 17174; prEN ISO 17174
Asendab dokumenti: CEN/TS 17303:2019

Arvamusküsitluse lõppkuupäev: 30.07.2023

71 KEEMILINE TEHNOLOOGIA

prEN 1302
Chemicals used for treatment of water intended for human consumption - Aluminium-based coagulants - Analytical methods

This document is applicable to aluminium-based coagulants used for treatment of water intended for human consumption. It specifies analytical methods to be used for products described in EN 878, EN 882, EN 885, EN 886, EN 887, EN 935 and EN 17034.

Keel: en
Alusdokumendid: prEN 1302
Asendab dokumenti: EVS-EN 1302:2001

Arvamusküsitluse lõppkuupäev: 30.07.2023

75 NAFTA JA NAFTATEHNOLOOGIA

EN ISO 13680:2020/prA1

Petroleum and natural gas industries - Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions - Amendment 1: Petroleum and natural gas industries - Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions (ISO 13680:2020/DAM 1:2023)

Amendment to EN ISO 13680:2020

Keel: en
Alusdokumendid: ISO 13680:2020/DAmd 1; EN ISO 13680:2020/prA1
Muudab dokumenti: EVS-EN ISO 13680:2020

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 16709

Automotive fuels - High FAME diesel fuel (B20 and B30) - Requirements and test methods

This European Standard specifies requirements and test methods for marketed and delivered high FAME (B20 and B30) diesel fuel for use in diesel engine vehicles designed or subsequently adapted to run on high FAME (B20 and B30) fuel. High FAME (B20 and B30) diesel fuel is a mixture of up to 20 % (V/V) in total and up to 30 % (V/V) in total respectively fatty acid methyl esters (commonly known as FAME) complying to EN 14214 and automotive diesel fuel complying to EN 590. For maintenance and control reasons high FAME (B20 and B30) diesel fuel is to be used in captive fleets that are intended to have an appropriate fuel management (see Clause 3). NOTE 1 For the purposes of this European Standard, the terms "% (m/m)" and "% (V/V)" are used to represent respectively the mass fraction and the volume fraction. NOTE 2 In this European Standard, A-deviations apply (see Annex A).

Keel: en
Alusdokumendid: prEN 16709
Asendab dokumenti: EVS-EN 16709:2015+A1:2018

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 13032

Petroleum products - Determination of low concentration of sulfur in automotive fuels - Energy-dispersive X-ray fluorescence spectrometric method (ISO/DIS 13032:2023)

This document is directed specifically at the lower end of the concentration range covered in ISO 20847. By selecting the instrument type, a better signal-to-background ratio for sulfur K L2,3 emission is assured. A knowledge of the general composition of the sample for analysis is advantageous in obtaining the best test result. Compared to the previous version new fuels have been added to the scope. In addition, the precision and bias statements as well as the concentration range were updated based on results of a new interlaboratory study. This has been done for gasoline and diesel type fuels including new fuels HVO and GTL as well as for FAME type samples.

Keel: en
Alusdokumendid: ISO/DIS 13032; prEN ISO 13032
Asendab dokumenti: EVS-EN ISO 13032:2012

Arvamusküsitluse lõppkuupäev: 30.07.2023

77 METALLURGIA

EN 573-3:2019+A1:2022/prA2

Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition and form of products

This document specifies the chemical composition limits of wrought aluminium and wrought aluminium alloys and form of products. NOTE The chemical composition limits of aluminium and aluminium alloys specified herein are completely identical with those registered with the Aluminium Association, 1525, Wilson Boulevard, Suite 600, Arlington, VA 22209, USA, for the corresponding alloys.

Keel: en
Alusdokumendid: EN 573-3:2019+A1:2022/prA2
Muudab dokumenti: EVS-EN 573-3:2019+A1:2022

Arvamusküsitluse lõppkuupäev: 30.07.2023

EN ISO 13680:2020/prA1

Petroleum and natural gas industries - Corrosion-resistant alloy seamless tubular products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions - Amendment 1: Petroleum and natural gas industries - Corrosion-resistant alloy seamless products for use as casing, tubing, coupling stock and accessory material - Technical delivery conditions (ISO 13680:2020/DAM 1:2023)

Amendment to EN ISO 13680:2020

Keel: en
Alusdokumendid: ISO 13680:2020/DAmd 1; EN ISO 13680:2020/prA1
Muudab dokumenti: EVS-EN ISO 13680:2020

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 10138-3
Prestressing steels - Part 3: Bars

This document specifies the requirements and definitions for the essential characteristics of prestressing bars, which are used for the prestressing of concrete and which are delivered as finished products in the form of: - hot rolled and processed bars; - plain and threaded bars. NOTE 1 The specification of manufacturing processes related to the finished product is required to ensure that the essential characteristics can be tested properly and that test results are valid. It is not possible to anticipate that any other manufacturing process leads to products which can be tested properly with the specified test methods. Thus, a conclusion to the safe application in building construction would not any longer be possible for those products. This document does not apply to: - galvanized steel; - epoxy coated steel; - reinforcing steel (see EN 10080); - further processing. NOTE 2 Example for further processing: Plain bars are also applied in systems for the prestressing of concrete with threaded ends. The threaded ends depend in length and type on the intended use of the system and are manufactured downstream in the supply chain.

Keel: en
Alusdokumendid: prEN 10138-3

Arvamusküsitluse lõppkuupäev: 30.07.2023

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

ISO 3887:2017 defines the decarburization and specifies three methods of measuring the depth of decarburization of steel products.

Keel: en
Alusdokumendid: ISO/FDIS 3887; prEN ISO 3887
Asendab dokumenti: EVS-EN ISO 3887:2018

Arvamusküsitluse lõppkuupäev: 30.07.2023

79 PUIDUTEHNOLOOGIA

prEN 13226
Wood flooring - Solid parquet elements with grooves and/or tongues

This document specifies the characteristics of solid parquet elements with grooves and/or tongues for internal use as flooring. This document is not applicable to panels made from elements for which a separate standard is in course of preparation. This document covers elements with or without surface treatment.

Keel: en
Alusdokumendid: prEN 13226
Asendab dokumenti: EVS-EN 13226:2009

Arvamusküsitluse lõppkuupäev: 30.07.2023

85 PABERITEHNOLOOGIA

prEN ISO 12625-16
Tissue paper and tissue products - Part 16: Determination of optical properties - Opacity (paper backing) - Diffuse reflectance method (ISO/DIS 12625-16:2023)

ISO 12625-16:2015 specifies the testing procedures for the instrumental determination of the opacity of tissue paper or tissue products by diffuse reflectance using a paper backing. ISO 12625-16:2015 contains specific instructions for the preparation of test pieces of single-ply and multi-ply products, where special preparation/procedures might be necessary. It can be used to determine the opacity of tissue paper and tissue products containing fluorescent whitening agents, provided the UV content of the radiation incident on the test piece has been adjusted to conform to that in the CIE illuminant C using a fluorescent reference standard provided by an authorized laboratory as described in ISO 2470-1. ISO 12625-16:2015 is not applicable to coloured tissue paper and tissue products which incorporate fluorescent dyes or pigments.

Keel: en
Alusdokumendid: ISO/DIS 12625-16; prEN ISO 12625-16
Asendab dokumenti: EVS-EN ISO 12625-16:2015

Arvamusküsitluse lõppkuupäev: 30.07.2023

91 EHITUSMATERJALID JA EHITUS

EN 12390-18:2021/prA1

Testing hardened concrete - Part 18: Determination of the chloride migration coefficient

This document specifies the procedure for obtaining the non-steady-state chloride migration coefficient of specimens of hardened concrete at a specified age (see Annex A). The test procedure does not take into account any interaction of concrete with the saline solution over time. The test result is a durability indicator with respect to the resistance of the concrete investigated against chloride penetration. The test procedure does not apply to concrete specimens with surface treatments such as silanes. If the aggregate or any other embedded elements (such as metallic fibres or conducting particles) are electrically conductive, this will influence the magnitude of chloride migration. This fact is taken into account when establishing threshold values. It prevents comparison of chloride migration values between concretes if the aggregates induce a difference of half an order of magnitude (higher or lower) of chloride migration.

Keel: en
Alusdokumendid: EN 12390-18:2021/prA1
Muudab dokumenti: EVS-EN 12390-18:2021

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17964

Low height mobile working platform - Materials, dimensions, design loads, safety and performance requirements

This European Standard applies to the design of small mobile access and working platforms (S-MAT): - with wheels- for assembly and use by one person- with no more than one platform level - made of prefabricated elements with dimensions which are fixed by the design - with a platform height limited by the design up to 2,0m. S-MATs can be used indoors and outdoors. S-MATS can be removed immediately in case of arising wind greater than an equivalent dynamic pressure 0.1kN/m2 or at the end of the work shift.This document: - gives dimensional requirements and - safety and performance requirements. This product standard does not apply to: - scaffolds according to EN 12810-1 and EN 12811-1 - mobile access towers according to EN 1004-1 - mobile ladders with platform according to EN 131-7 - ladders with separate platform according to EN 131-8 where different load assumptions and verification methods are applied.

Keel: en
Alusdokumendid: prEN 17964

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 17979

Reactivity of cement constituents - Heat of hydration and bound water content methods

This document specifies two complementary test methods to assess the chemical reactivity of a pozzolanic or latent hydraulic cement constituent by measurements of heat of hydration (see Clause 5 and 8.3 Method A, Heat of Hydration) or bound water content (see Clause 5 and 8.4 Method B, Bound Water Content) of hydrated pastes composed of the cement constituent, calcium hydroxide, calcium carbonate, potassium sulfate, and potassium hydroxide cured at 40 °C for 72 h and 168 h (3 days and 7 days). These two test methods do not distinguish between latent hydraulic and pozzolanic reactivity. Therefore, these methods are used for measuring the chemical reactivity of following cement constituents as specified under EN 197 1 and EN 197 5: S, D, P, Q, V, W and T. These test methods are used in complement with the current specifications on cement constituent reactivity given by EN 197 1 and EN 197 5, i.e. the reactive silicon dioxide content measured according to EN 196 2 for cement constituents P, Q and V; the compressive strength of specified test mortars determined according to EN 196-1 for cement constituents W and T, and the pozzolanicity of pozzolanic cements according to EN 196 5 for CEM IV type cements according to EN 197-1. The test methods are used for qualification purposes if the cement constituents are tested at the fineness of the intended use. NOTE In case the test methods are used for purposes of comparison of intrinsic reactivity, cement constituents are tested at similar fineness, where possible. The test methods are also used for testing other new constituents that are latent hydraulic or pozzolanic and that are not covered by EN 197-1 and EN 197-5. However, for such new constituents the validity of the underlying correlations with strength development have not been verified; in consequence the test results can only be used for informative and indicative purposes. Furthermore, these test methods are used in manufacturing control of cement constituents for assessing their latent hydraulic or pozzolanic reactivity.

Keel: en
Alusdokumendid: prEN 17979

Arvamusküsitluse lõppkuupäev: 30.07.2023

97 OLME. MEELELAHUTUS. SPORT

prEN 16510-2-7

Residential solid fuel burning appliances - Part 2-7: Combination appliances fired by wood logs and pellets

This document is applicable to space heaters, inset appliances and cookers intended for mechanical fuelling with wood pellets and for manual fuelling with other solid fuel. They can be freestanding or inset appliances. The intended use of the appliances is space heating in residential buildings and can be cooking. They can be fitted with a boiler (integral part of the appliance containing water to be heated up) for the supply of hot water for central heating systems. These appliances typically use auxiliary energy which is measured in this standard as well. They are operated with natural draught and can be fan-assisted. NOTE 1 A fan-assisted appliance does still operate under negative pressure in the flue gas system. For inset appliances and especially their testing additional information can be necessary from EN 16510-2-2. These appliances burn wood pellets and wood logs only, in

accordance with the appliance instructions. They only operate with the firedoors closed. NOTE 2 These appliances can have an integral fuel hopper or be combined with an external fuel hopper. These appliances can be fitted with a single or double combustion chamber having a single flue gas outlet. This document specifies procedures for assessment and verification of constancy of performance (AVCP) of characteristics of combination appliances fired by wood logs and pellets. This document is not applicable to appliances - with boiler intended for water systems having water temperatures above 110°C and 3 bar and for sanitary hot water, - intended to be used with a pure horizontal exhaust (through the building wall), - with flue gas condensation in the appliance, - switching on / off for part load operation, - with simultaneous wood and pellet operation with a single flue gas outlet, - with non-automatic pellet loading, - with single combustion chamber and double flue gas outlet.

Keel: en
Alusdokumendid: prEN 16510-2-7

Arvamusküsitluse lõppkuupäev: 30.07.2023

prEN 1888-3

Wheeled child conveyances - Part 3: Pushchairs for heavier children intended for sport activities

This document specifies the safety requirements of pushchairs when used for running/jogging or inline skating, intended for the transport of one or two children up to 15 kg (EN 1888-1) or 22 kg (EN 1888-2). prEN 1888-3 is only applicable in conjunction with EN 1888-1, which states general requirements for pushchairs and prams; and, if applicable, in conjunction with EN 1888-2, which states requirements for pushchairs intended for children up to 22 kg. prEN 1888-3 covers articles which are already compliant with EN 1888-1. If the pushchair is intended for children up to 22 kg, prEN 1888-3 assumes that the pushchair is already compliant under the requirements defined in EN 1888-2. Pushchairs intended to transport the carer while pushing are excluded.

Keel: en
Alusdokumendid: prEN 1888-3

Arvamusküsitluse lõppkuupäev: 30.06.2023

prEN ISO 24342

Resilient and textile floor-covering - Determination of side length, edge straightness and squareness of tiles and planks (ISO/DIS 24342:2023)

This document describes methods for determining side lengths, straightness of edges and squareness of resilient or textile floor tiles and planks. The side lengths, straightness and squareness of resilient or textile floor tiles and planks are important considerations because installed flooring will have an objectionable appearance if these performance criteria are not followed. This can cause the installed tiles/planks to line up unevenly, producing unsightly seams and corners that do not match.

Keel: en
Alusdokumendid: ISO/DIS 24342; prEN ISO 24342
Asendab dokumenti: EVS-EN ISO 24342:2018

Arvamusküsitluse lõppkuupäev: 30.07.2023

TÕLKED KOMMENTEERIMISEL

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

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

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

EVS-EN 12390-19:2023

Kivistunud betooni katsetamine. Osa 19: Elektrilise eritakistuse määramine

Selles dokumendis kirjeldatakse kahte meetodit veega küllastunud betooni elektrilise eritakistuse mõõtmiseks: mahumeetodit (vt jaotist 3.1.3), mis on referentsmeetod ja pinnameetodit (vt jaotist 3.1.4). Dokumendis esitatakse pinnameetodi kalibreerimise menetlus referentsmahumeetodi abil. Mõlemad meetodid annavad sama eritakistuse väärtuse, eeldusel, et järgitakse käesoleva dokumendi eeskirju [kasutades nende ekvivalentsuse tagamiseks kujutegurit (Ff)]. MÄRKUS Mahumeetod on kasutatav valatud katsekehade või puursüdamike puhul, samas kui pinnameetod sobib kasutamiseks valatud katsekehade, puursüdamike ja ka platsibetooni puhul, kuid kõiki neid rakendusi selles dokumendis ei käsitleta. Meetod on rakendatav tavalistele, kehtivate standarditega hõlmatud betoonidele. See ei kehti betoonidele, mis sisaldavad metallkomponente või mille valmistamisel on kasutatud poorseid täitematerjale. Selles dokumendis ei käsitleta eritakistuse kasutamist olemasolevate konstruktsioonide sarruse korrosioonipotentsiaali hindamiseks. Selles dokumendis ei käsitleta eritakistuse kasutamist olemasolevast konstruktsioonist võetud puursüdamike katsetamiseks, mis vajavad eelnevat konditsioneerimist veega küllastamise teel.

Keel: et
Alusdokumendid: EN 12390-19:2023

Kommenteerimise lõppkuupäev: 30.06.2023

EVS-ISO 15705:2004

Vee kvaliteet. Keemilise hapnikutarbe indeksi (ST-COD) määramine. Suletud katseklaasi meetod madalas mõõtepiirkonnas

See rahvusvaheline standard määrab kindlaks meetodi keemilise hapnikutarbe (ST-COD) määramiseks suletud katseklaasi meetodil. Katse on empiiriline ja seda saab kasutada mis tahes veeproovi puhul, sh. kõik kanalisatsiooni- ja reoveed. Meetod on rakendatav lahjendamata proovide korral, mille ST-COD väärtused on kuni 1000 mg/l ja kloriidi kontsentratsioon ei ületa 1000 mg/l. Kõrgemate ST-COD väärtustega proovid vajavad eellahjendust. Madala KHT-ga proovide puhul väheneb mõõtmise täpsus ja avastamispiir on halvem. Kõrge kloriidisisaldusega proove tuleb enne analüüsimist eellahjendada, et saada kloriidi kontsentratsiooniks ligikaudu 1000 mg/l või vähem. Meetod oksüdeerib peaaegu igat tüüpi orgaanilisi ühendeid ja enamikku anorgaanilisi redutseerivaid aineid. Selle avastamispiir (4,65-kordne tühiproovi või väga madala standardi partiisisene standardhälve) on fotomeetrilisel määramisel lainepikkusel 600 nm 6 mg/l ja titrimeetrilisel määramisel 15 mg/l, nagu on üks fotomeetrilisi ja titrimeetrilisi meetodeid võrdlev labor kasutades kaubanduslikku katsekomplekti vahemikus kuni 1000 mg/l raporteerinud. Selle rahvusvahelise standardi titrimeetriline osa on rakendatav proovide suhtes, mille värvus või hägusus on pärast kuumutamise etappi ebatüüpiline. MÄRKUS Täismahu meetodi (ISO 6060) ja selle rahvusvahelise standardi meetodi võrdlus on toodud lisas A. Võimalike ohtude arutelu on toodud lisas B. Teave kaubanduslike madala mõõtepiirkonna katsekomplektide kohta on esitatud lisas C. Meetodit saab kasutada vähendatud vahemikus (vt lisa D ja E). Kloriidi kontsentratsiooni kontrollimiseks vaadata lisa F.

Keel: et
Alusdokumendid: ISO 15705:2002

Kommenteerimise lõppkuupäev: 30.06.2023

prEN 15287-1

Korstnad. Projekteerimine, paigaldamine ja töökorras oleku hindamine. Osa 1: Korstnad ja ühenduslõõrid mitteruumiliselt suletud põletusseadmetele

See dokument kirjeldab moodulkorstnate projekteerimise, paigaldamise ja märgistamise, eritellimusel valmistatud korstnate valmistamise ja olemasolevate korstnate ümberehituse ning ruumisisese õhuvarustusega kütpõletusseadmete lõõri ühendustorude kriteeriumide täpsustamise meetodit, samuti korstna elementide kasutamist. See annab samuti teavet korstnate kasutusele võtmise kohta. See dokument kehtib korstnatele, mis vastavad järgmistele piiravatele tingimustele: — tugedevaheline kaugus ei tohi olla üle 4 m; — vahemaa viimasest konstruktiivsest kinnitusest ei tohi ületada 3 m; — ristkülikukujulise ristlõikega korstnate eraldiseisev kõrgus üle kõige kõrgema konstruktiivse tugikinnituse ei ületa viiekordset väikseimat välismõõtu. Selle dokumendi selles osas kirjeldatud meetodid kehtivad ruumisisese õhuvarustusega põletusseadmete korstnatele ja lõõri ühendustorudele. Selle dokumendi osas 2 kirjeldatud meetodid kehtivad ruumivälise õhuvarustusega põletusseadmete korstnatele ja lõõri ühendustorudele.

Keel: et
Alusdokumendid: prEN 15287-1

Kommenteerimise lõppkuupäev: 30.06.2023

prEN 50110-1

Elektripaigaldiste käit. Osa 1: Üldnõuded

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

Keel: et
Alusdokumendid: prEN 50110-1

Kommenteerimise lõppkuupäev: 30.06.2023

prEVS-ISO/IEC 27005

Infoturve, küberturve ja privaatsuskaitse - Infoturvariskide haldamise juhend

See dokument annab juhiseid organisatsioonide abistamiseks — infoturvariskide käsitlemise toiminguid puudutavate ISO/IEC 27001 nõuete täitmisel; — infoturvariski halduse tegevuste, eriti infoturvariski kontrolli ja käsitluse sooritamisel. See dokument on kohaldatav kõigis organisatsioonides sõltumata nende tüübist, suurusest või majandussektorist.

Keel: et
Alusdokumendid: ISO/IEC 27005:2022

Kommenteerimise lõppkuupäev: 30.06.2023

ALGUPÄRASTE STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE KOOSTAMINE

Allpool on toodud teave eelmise EVS Teataja avaldamise järel Eesti Standardimis- ja Akrediteerimiskeskusele esitatud algupäraste standardite ja standardilaadsete dokumentide koostamis-, muutmis- ja uustöötlusettepanekute kohta, millega algatatakse Eesti algupärase dokumendi koostamise protsess.

Rohkem infot koostatava dokumendi kohta saab EVS-i standardiosakonnast: standardiosakond@evs.ee.

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

prEVS 867

Raudteealased rakendused. Reisijate ooteplatvormid
Railway applications - Passenger platforms

Raudtee reisijate ooteplatvormide nõuded (mõõtmed, materjalid, juurdepääs jne)

Asendab dokumenti: EVS 867:2011
Asendab dokumenti: EVS 867:2011/A1:2013
Asendab dokumenti: EVS 867:2011/A1:2013/AC:2021
Asendab dokumenti: EVS 867:2011+A1:2013
Koostamisettepaneku esitaja: EVS/ TK 16

TÜHISTAMISKÜSITLUS

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

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

EVS-EN 60704-2-14:2013/A11:2015

Kodumajapidamises ja sarnastes oludes kasutatavad elektriseadmed. Katsenormid õhumüra määramiseks. Osa 2-14: Erinõuded külmikutele, külmkambritele ja sügavkülmutitele
Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers

Amendment to EN 60704-2-14:2013

Keel: en
Alusdokumendid: EN 60704-2-14:2013/A11:2015
Tühistamisküsitluse lõppkuupäev: 30.06.2023

EVS-EN ISO 9875:2002

Laevaehitus. Laeva kajalood
Ships and marine technology - Marine echo-sounding equipment

This standard specifies the minimum operational and performance requirements, methods of testing and test results of marine echo-sounding equipment required to comply with the performance standards adopted by the IMO Resolution A.224(VII). In addition, it takes account of IMO Resolution A.694(17) and is associated with IEC 60945. When a requirement in this International Standard is different from IEC 60945, the requirement in this International Standard takes precedence. This standard is applicable for ship speeds from o kn to 30 kn.

Keel: en
Alusdokumendid: ISO 9875:2000; EN ISO 9875:2001
Tühistamisküsitluse lõppkuupäev: 30.06.2023

TEADE EUROOPA STANDARDI OLEMASOLUST

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

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

EN ISO/IEC 17043:2023

Vastavushindamine. Üldnõuded tasemekatsetustele
Conformity assessment - General requirements for the competence of proficiency testing providers (ISO/IEC 17043:2023)

Eeldatav avaldamise aeg Eesti standardina 11.2023

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 944:2023/AC:2023
Puhastamisnõuded tervishoiuasutustes
Requirements for cleaning in health care institutions

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.

CEN ISO/TS 24283-1:2022

Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 1: Kvalifitseeritud tehnik ja kvalifitseeritud töötaja
Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)

Selles dokumendis kehtestatakse kvalifikatsioonikriteeriumid isikule, kes teostab geotehniliste uuringute raames proovitamist, katsetamist, mõõtmist, seiret ja seadmete (nt piesomeetrid, puuraugu soojusvahetid, inklinomeetrid ja tensomeetrid) paigaldamist.

CEN ISO/TS 24283-2:2022

Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 2: Vastutav ekspert
Geotechnical investigation and testing - Qualification criteria and assessment - Part 2: Responsible expert (ISO/TS 24283-2:2022)

Selles dokumendis kehtestatakse kvalifikatsioonikriteeriumid isikule, kes vastutab geotehniliste uuringute raames proovitamise, katsetamise, mõõtmiste, seire ja seadmete (nt piesomeetrid, puuraugu soojusvahetid, inklinomeetrid ja tensomeetrid) paigaldamise eest.

CEN ISO/TS 24283-3:2022

Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 3: Kvalifitseeritud ettevõte
Geotechnical investigation and testing - Qualification criteria and assessment - Part 3: Qualified enterprise (ISO/TS 24283-3:2022)

Selles dokumendis kehtestatakse kvalifikatsioonikriteeriumid ettevõtetele, mis vastutavad geotehniliste uuringute raames proovitamise, katsetamise, mõõtmiste, seire ja seadmete (nt piesomeetrid, puuraugu soojusvahetid, inklinomeetrid ja tensomeetrid) paigaldamise eest.

EVS-EN 13445-2:2021/A1:2023

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Standardi EN 13445-2:2021 muudatus

EVS-EN 13445-2:2021+A1:2023

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

See dokument määratleb nõuded terasest toodetele, mida kasutatakse leekkuumutuseta surveanumates. Mõnede mitte terasest metalliliste materjalide, nagu näiteks keragrafiitmalm, alumiinium, nikkel, vask, titaan, nõuded on sõnastatud või sõnastatakse selle dokumendi eraldi osades. Metalliliste materjalide korral, mis ei ole kaetud harmoneeritud materjali standardiga ja mis ei saa tõenäoliselt ka lähitulevikus kaetud, on selles osas või eespool esitatud selle dokumendi osades toodud erireeglid.

EVS-EN 13445-4:2021/A1:2023

Leekkuumutuseta surveanumad. Osa 4: Valmistamine
Unfired pressure vessels - Part 4: Fabrication

Standardi EN 13445-4:2021 muudatus

EVS-EN 13445-4:2021+A1:2023

Leekkuumutuseta surveanumad. Osa 4: Valmistamine
Unfired pressure vessels - Part 4: Fabrication

See dokument määratleb nõuded leekkuumutuseta terasest surveanumate ja nende osade, sealhulgas survevabade ühenduste valmistamisele. See täpsustab nõudeid materjali jälgitavusele, tootmistolerantsidele, keevitusnõuetele, nõudeid muudele püsiliidetele kui keevitamine, tootmiskatsetele, vormimise nõuetele, termotöötlusele, parandamistele ning viimistlusoperatsioonidele.

EVS-EN 15341:2019+A1:2022

Hooldus. Hoolduse võtmenäitajad
Maintenance - Maintenance Key Performance Indicators

Selles dokumendis loetletakse hooldustegevuse peamised võtmenäitajad ja antakse juhiseid selleks, et määratleda sobivad näitajad, et hinnata ja parendada olemasoleva füüsilise vara hooldamise efektiivsust, tõhusust ja jätkusuutlikkust kas tööstuse, infrastruktuuri, tugikeskkonna, tsiviilehitiste või transpordisüsteemide jne puhul väliste ning sisemiste mõjurite raamistikus.

EVS-EN 620:2021

Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutusnõuded puistematerjalide kinnitatud lintkonveieritele
Continuous handling equipment and systems - Safety requirements for fixed belt conveyors for bulk materials

1.1 See dokument käsitleb lahtiste puistematerjalide pidevaks veoks kavandatud statsionaarsete lintkonveierite ja süsteemide, nagu on määratletud terminites 3.1 kuni 3.2.4, tehnilisi nõudeid. Kasutusea kaetud faasid on projekteerimine, seadistamine, kasutamine, hooldus ja puhastamine. 1.2 See dokument ei hõlma a) kasutamist kivisöe kaevandamisel ja pruunsöe lahtisel kaevandamisel; b) kasutamist inimeste sõidutamiseks; c) konveierit toetavaid ujuvaid, süvendamise ja laevale paigaldatud konstruktsioone; d) toiduainete või ravimite käitlemisest tulenevaid bioloogilisi ja keemilisi ohte; e) abikonstruktsiooni projekteerimist, mis ei ole konveieri osa; f) tuule mõju; g) spetsiifiliste ohtlike materjalide (nt lõhkeained, kiirgav materjal) käitlemisest tulenevaid ohte; h) kahjulike vedelike, gaaside, udu, suitsu või tolmuga kokkupuutest või sissehingamisest tulenevaid ohte; i) bioloogilisi ja mikrobioloogilisi (viiruslikud või bakteriaalsed) ohte; j) ioniseeriva kiirguse allikate kasutamisest tulenevaid ohte; k) konveiereid, mille veovahend on muu kui pideva kummi- või polümeerpinnaga liikuv lint; l) lintkonveierite muude masinatega ühendamisega seotud ohte. Selle dokumendi ohutusnõuded kehtivad seadmetele ja süsteemidele, mis on turule toodud pärast selle dokumendi avaldamise kuupäeva. MÄRKUS Direktiiv 2014/34/EÜ, mis käsitleb potentsiaalselt plahvatusohtlikus keskkonnas töötamiseks mõeldud seadmeid ja kaitsesüsteeme, võib olla kohaldatav selle Euroopa standardiga hõlmatud masina või seadme tüübile. Selle dokumendi eesmärk ei ole pakkuda viise direktiivi 2014/34/EÜ oluliste tervise- ja ohutusnõuete täielikuks täitmiseks.

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 50470-3:2022	Elektrimõõteseadmed. Osa 3: Erinõuded. Staatilised aktiivenergia arvestid (klass A, B ja C)	Elektrimõõteseadmed. Osa 3: Erinõuded. Staatilised vahelduvvoolu aktiivenergia arvestid (klass A, B ja C)
EVS-EN 620:2021	Pidevtoimega teisaldusseadmed ja -süsteemid. Ohutusnõuded puistmaterjalide lintkonveieritele	Pidevtoimelised teisaldusseadmed ja -süsteemid. Ohutusnõuded puistematerjalide kinnitatud lintkonveieritele

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
CEN ISO/TS 24283-1:2022	Geotechnical investigation and testing - Qualification criteria and assessment - Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)	Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 1: Kvalifitseeritud tehnik ja kvalifitseeritud töötaja
CEN ISO/TS 24283-2:2022	Geotechnical investigation and testing - Qualification criteria and assessment - Part 2: Responsible expert (ISO/TS 24283-2:2022)	Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 2: Vastutav ekspert
CEN ISO/TS 24283-3:2022	Geotechnical investigation and testing - Qualification criteria and assessment - Part 3: Qualified enterprise (ISO/TS 24283-3:2022)	Geotehniline uurimine ja katsetamine. Kvalifikatsioonikriteeriumid ja hindamine. Osa 3: Kvalifitseeritud ettevõte
EVS-EN 15341:2019+A1:2022	Maintenance - Maintenance Key Performance Indicators	Hooldus. Hoolduse võtmenäitajad