EVS Teataja

Avaldatud 15.05.2023

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

ASUTATUD JA TEGEVUSE LÕPETANUD KOMITEED

EVS/TK 60 nimetuse muutmine

Tähisega EVS/TK 60 registreeritud standardimise tehnilise komitee uueks nimeks lugeda „Katuste ja tuulduvate fassaadide ehitus“

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 17848:2023
Leather - Chemicals - Quality control

This guideline provides a list of recommended tests that can be used to assess the quality of chemicals used in tanning process. This guideline applies to chemicals whose application has the same effect on leather, grouped in families.

Keel: en
Alusdokumendid: EN 17848:2023

EVS-ISO 81346-10:2023
Tööstuslikud süsteemid, paigaldised ja seadmed ning tööstustooted. Liigendamise põhimõtted ja viitetähised. Osa 10: Energiavarustussüsteemid
Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 10: Power supply systems (ISO 81346-10:2022, identical)

See dokument sätestab lisaks standardis IEC 81346-1 määratletud süsteemide ja info liigendamise põhimõtetele reeglid süsteemide liigendamiseks energiavarustussüsteemide alal. Nende põhimõtete alusel on esitatud reeglid ja juhised objektidele üheselt mõistetavate viitetähiste formuleerimiseks mis tahes süsteemis. Viitetähis identifitseerib objektid, et objekti kohta saaks teavet nii luua kui ka hankida, ja kui objekt on muudetud või muutunud reaalseks, siis ka selle vastava koostisosa kohta. Koostisosa küljes sildil esitatud viitetähis on võti teabe leidmiseks selle objekti kohta eri liikidest dokumentide seast. Need põhimõtted on üldised ja kehtivad kõikides tehnikavaldkondades (nagu näiteks masinaehitus, elektrotehnika, ehitustehnika, protsessitehnika). Neid saab kasutada eri tehnikail põhinevate või mitut tehnikat kombineerivate süsteemide jaoks. Ühtlasi täpsustab see dokument klassid süsteemide ja ruumide jaoks energiavarustussüsteemide alal.

Keel: en, et
Alusdokumendid: ISO 81346-10:2022

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

EVS-EN ISO 8586:2023
Sensory analysis - Selection and training of sensory assessors (ISO 8586:2023)

This International Standard specifies criteria for the selection and procedures for the training of trained sensory assessors and expert sensory assessors for food and beverages, as well as home and personal care products. This standard supplements the information given in ISO 6658.

Keel: en
Alusdokumendid: EN ISO 8586:2023; ISO 8586:2023
Asendab dokumenti: EVS-EN ISO 8586:2014

11 TERVISEHOOLDUS

EVS-EN ISO 8362-2:2015+A1:2022
Injection containers and accessories - Part 2: Closures for injection vials (ISO 8362-2:2015 + ISO 8362-2:2015/Amd 1:2022)

This part of ISO 8362 specifies the shape, dimensions, material, performance requirements and labelling of closures for injection vials covered by ISO 8362 1 and ISO 8362 4. The dimensional requirements are not applicable to barrier-coated closures. Closures specified in this part of ISO 8362 are intended for single use only. NOTE The potency, purity, stability and safety of a medicinal product during its manufacture and storage can strongly be affected by the nature and performance of the primary packaging.

Keel: en
Alusdokumendid: ISO 8362-2:2015; EN ISO 8362-2:2015; ISO 8362-2:2015/Amd 1:2022; EN ISO 8362-2:2015/A1:2022
Konsolideerib dokumenti: EVS-EN ISO 8362-2:2015
Konsolideerib dokumenti: EVS-EN ISO 8362-2:2015/A1:2022

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 14058:2017+A1:2023
Kaitseriietus. Rõivad kaitseks jahedate keskkondade eest
Protective clothing - Garments for protection against cool environments

This European Standard specifies requirements and test methods for the performance of garments for protection against the effects of cool environments above −5 °C (see Annex C). These effects comprise not only low air temperatures, but also humidity

and air velocity. Cold protective ensembles are excluded from this standard. The protective effects and requirements of footwear, gloves and separate head wear are excluded from the scope of this standard.

Keel: en
Alusdokumendid: EN 14058:2017+A1:2023
Asendab dokumenti: EVS-EN 14058:2017

EVS-EN 17255-4:2023

Stationary source emissions - Data acquisition and handling systems - Part 4: Specification of requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems

This document specifies the requirements for the installation and on-going quality assurance and quality control of data acquisition and handling systems (DAHS). This includes requirements on: - installation (Clause 5); - quality assurance and quality control during QAL2 (Clause 6); - quality assurance and quality control during on-going operation (Clause 7); - annual functional test (Clause 8); - documentation (Clause 9). This document supports the requirements of EN 14181 and legislation such as the IED [1], MCPD [2] and E-PRTR [3]. It does not preclude the use of additional features and functions provided the minimum requirements of this document are met and that these features do not adversely affect data quality, clarity or access.

Keel: en
Alusdokumendid: EN 17255-4:2023

EVS-EN 17367:2023

Waste Management - Data communication between communication management system and the back office system for stationary waste collection containers - Functional specification and the semantic data model

This document defines the standard for exchanging stationary waste collection container information between the collection container system and the back-office systems. This document defines the way to exchange data between the "Communication Management System" of the collection container and the "Back-Office Systems". The exchange of data between the "Collection Container Systems" and the "Communication Management Systems" or the "Back-Office Systems" is excluded. This document targets two streams of information in the waste processing industry: - The processing of transactions and system information for the deposit of waste from the communication management systems to the back office systems. - The processing of authorization and configuration information from the back-office systems to the communication management systems.

Keel: en
Alusdokumendid: EN 17367:2023

EVS-EN 50518:2019/A1:2023

Monitoring and Alarm Receiving Centre

This document specifies the minimum requirements for monitoring, receiving and processing of alarm messages generated by alarm systems taking place as a part of the total fire, safety and security solution. For the purpose of this document, the term “alarm” is used in the broad sense to include fault, status and other messages received from one or more of a range of safety and security alarm systems such as but not limited to fire detection and fire alarm systems, fixed firefighting systems, intrusion and hold-up alarm systems, access control systems, video surveillance systems, social alarms systems and combinations of such systems. This document gives requirements for two categories of ARC, category I and category II. A category I ARC will be designed, constructed and operated to a higher standard with respect to construction, security and integrity than a category II ARC. The categorization is determined according to the type(s) of alarm messages handled. Category I: ARCs handling messages from security applications: - I&HAS’s; - access control systems; - VSS in security applications that require an emergency response (for example loss prevention); - people monitoring, lone workers and object tracking systems for security applications; - alarm messages handled by category II ARCs; - combinations of the above systems. Category II: ARC’s handling messages from non-security applications: - fire alarm systems; - fixed firefighting systems; - social alarm systems; - audio/video door entry systems; - VSS in non-security applications (for example traffic flow); - people monitoring, lone workers and object tracking systems for non-security applications; - lifts emergency systems; - combinations of the above systems. The requirements apply to ARC’s (whether established in single or multiple sites) monitoring and processing alarms generated by systems installed at other locations and also to ARC’s monitoring solely alarms from systems within their own site. The document includes functional and specific requirements supporting the services of an ARC. The document does NOT apply to: - alarm systems used for non-civil purposes; - alarm systems for medical or health applications.

Keel: en
Alusdokumendid: EN 50518:2019/A1:2023
Muudab dokumenti: EVS-EN 50518:2019

EVS-EN 50518:2019+A1:2023

Monitoring and Alarm Receiving Centre

This document specifies the minimum requirements for monitoring, receiving and processing of alarm messages generated by alarm systems taking place as a part of the total fire, safety and security solution. For the purpose of this document, the term “alarm” is used in the broad sense to include fault, status and other messages received from one or more of a range of safety and security alarm systems such as but not limited to fire detection and fire alarm systems, fixed firefighting systems, intrusion and hold-up alarm systems, access control systems, video surveillance systems, social alarms systems and combinations of such systems. This document gives requirements for two categories of ARC, category I and category II. A category I ARC will be designed, constructed and operated to a higher standard with respect to construction, security and integrity than a category II ARC. The categorization is determined according to the type(s) of alarm messages handled. Category I: ARCs handling messages from security applications: — I&HAS’s; — access control systems; — VSS in security applications that require an emergency

response (for example loss prevention); — people monitoring, lone workers and object tracking systems for security applications; — alarm messages handled by category II ARCs; — combinations of the above systems. Category II: ARC's handling messages from non-security applications: — fire alarm systems; — fixed firefighting systems; — social alarm systems; — audio/video door entry systems; — VSS in non-security applications (for example traffic flow); — people monitoring, lone workers and object tracking systems for non-security applications; — lifts emergency systems; — combinations of the above systems. The requirements apply to ARC's (whether established in single or multiple sites) monitoring and processing alarms generated by systems installed at other locations and also to ARC's monitoring solely alarms from systems within their own site. The document includes functional and specific requirements supporting the services of an ARC. The document does NOT apply to: — alarm systems used for non-civil purposes; — alarm systems for medical or health applications.

Keel: en
Alusdokumendid: EN 50518:2019; EN 50518:2019/A1:2023
Konsolideerib dokumenti: EVS-EN 50518:2019
Konsolideerib dokumenti: EVS-EN 50518:2019/A1:2023

EVS-HD 60364-5-52:2011/AC:2023

Madalpingelised elektripaigaldised. Osa 5-52: Elektriseadmete valik ja paigaldamine. Juhistikud
Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems (IEC 60364-5-52:2009, modified + corrigendum Feb. 2011)

Standardi EVS-HD 60364-5-52:2011 parandus.

Keel: et
Parandab dokumenti: EVS-HD 60364-5-52:2011

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 1501-4:2023

Prügikogumissõidukid. Üld- ja ohutusnõuded. Osa 4: Prügikogumissõidukite mürakatsemeetod
Refuse collection vehicles - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles

This document provides all of the information required in order to perform efficiently, and in standardized conditions, the determination, the declaration and the verification of noise emission values of refuse collection vehicles. The document ensures the reproducibility of the determination of noise emission values within the limits established for the accuracy grade of the basic standard used to determine noise emission values. This document specifies the noise measurement conditions for the types of RCVs defined and described in the standards of the EN 1501:2021 series. This document applies to machines which are manufactured after the date of approval of this document by CEN. Noise emissions of mobile waste and recycling containers are excluded.

Keel: en
Alusdokumendid: EN 1501-4:2023
Asendab dokumenti: EVS-EN 1501-4:2007

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TR 17924:2023

Safety and control devices for burners and appliances burning gaseous and/or liquid fuels - Guidance on hydrogen specific aspects

This document gives guidance on hydrogen specific safety, design, construction, and performance requirements and testing of safety, control or regulating devices (hereafter referred to as controls) for burners and appliances burning gases with hydrogen content. The following hydrogen concentrations are covered in this document: - H2NG (hydrogen in natural gas) blends of 20 % hydrogen; or - 100 % hydrogen; or - varying blends / admixtures to natural gas. Furthermore, it identifies the expected revision needs of the existing CEN/TC 58 standards as well as the need of potential further new standardization deliverables.

Keel: en
Alusdokumendid: CEN/TR 17924:2023

EVS-EN 1401-1:2019+A1:2023

Maa-alused isevoolsed drenaaži ja kanalisatsiooni plasttorustikud. Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 1: Torude, liitmike ja torustike spetsifikatsioonid
Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

See dokument määratleb nõuded sileda sise- ja välispinnaga jäiga seinaga torudele, mis on ekstrudeeritud sama koostisega segust läbi kogu toruseina, liitmikele ja plastifitseerimata polüvinüülkloriidist (PVC-U) maa-alustele isevoolsetele drenaaži ja kanalisatsiooni torustikele: — maa-alused väljaspool hoone struktuuri (rakendusala kood „U“) ja — mõlemad, maa-alused hoone struktuuri sees ja väljaspool hoonet (rakendusala kood „UD“). MÄRKUS 1 Kavandatav kasutusviis kajastub toodete märgistuses „U“ või „UD“ abil. Samuti täpsustab see katseparameetreid selles dokumendis osutatud katsemeetoditele. MÄRKUS 2 Läbi toruseina eri koostisega mitmekihilised ja vahtplastist torud on hõlmatud standardiga EN 13476-2 [1]. See dokument hõlmab mitut

nimimõõtu, eri torude ja liitmike seeriaid ning eri jäikusklasse ja annab soovitusi värvuste kohta. MÄRKUS 3 Ostja või spetsifikaatori ülesanne on teha nendest aspektidest sobiv valik, võttes arvesse nende konkreetseid nõudeid ja asjakohaseid riigisiseseid eeskirju ja paigaldustavasid või koode. Seda kohaldatakse PVC-U torude ja liitmike, nende ühenduste ja liidete suhtes muude plastist ja mitte-plastist materjalist komponentidega, mis on ette nähtud pinnases maa-alustele isevoolsetele drenaaži ja kanalisatsiooni torustikele. MÄRKUS 4 Torud, liitmikud ja muud komponendid, mis vastavad mis tahes lisas C loetletud plasttoodete standardile, võivad olla kasutatavad selle dokumendi nõuetele vastavate torude ja liitmikega tingimusel, et nad vastavad peatükis 7 antud liidete mõõtmete nõuetele ja tabeli 16 nõuetele.

Keel: en, et
Alusdokumendid: EN 1401-1:2019+A1:2023
Asendab dokumenti: EVS-EN 1401-1:2019

EVS-EN 549:2019+A1:2023

Kummimaterjalid gaasiseadmete tihenditele ja membraanidele
Rubber materials for seals and diaphragms for gas appliances and gas equipment

This document specifies requirements and associated test methods for rubber materials used in gas installations, gas equipment and gas appliances in contact with 1st, 2nd and 3rd family combustible gases as classified in EN 437:2018, additionally LPG, bio methane and bio LPG, in the same quality, are covered. It also establishes a classification based on temperature range and hardness. This document is applicable to materials from which homogeneous seals and homogeneous or reinforced diaphragms are manufactured. Since the dimensions and shape of the components differ from those of standard test pieces taken from sheet material as used for type testing of the rubber materials according to this document, tolerances have been made in the requirements specified by Annex A for the components with respect to those specified for standard test pieces. The range of operating temperatures covered by this document is –40 °C to +150 °C. For applications with potential condensation, this document is not applicable for silicon rubber, e.g. above 200 hPa (200 mbar) nominal pressure or at temperatures below 0 °C with 3rd family gases.

Keel: en
Alusdokumendid: EN 549:2019+A1:2023
Asendab dokumenti: EVS-EN 549:2019

EVS-EN IEC 60335-2-40:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, õhukonditsioneeridele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric heat pumps, including sanitary hot water heat pumps, air conditioners, and dehumidifiers incorporating motor-compressors and hydronic fan coils units, their maximum rated voltages being not more than 250 V for single phase appliances and 600 V for all other appliances. Partial units are within the scope of this International Standard. 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. The appliances referenced above may consist of one or more factory-made assemblies. If provided in more than one assembly, the separate assemblies are to be used together, and the requirements are based on the use of matched assemblies. NOTE 101 A definition of ‘motor-compressor’ is given in IEC 60335-2-34, which includes the statement that the term motor-compressor is used to designate either a hermetic motor-compressor or semi-hermetic motorcompressor. NOTE 102 Requirements for refrigerating safety are covered by ISO 5149-1, ISO 5149-2, and ISO 5149-3. Requirements for containers intended for storage of the heated water included in sanitary hot water heat pumps are, in addition, covered by IEC 60335-2-21. This standard does not take into account refrigerants other than group A1, A2L, A2 and A3 as defined by ISO 817 classification, A2L refrigerants are limited to those of a molar mass of more than or equal to 42 kg/kmol based on WCF – Worst Case Formulation as specified in ISO 817. This standard specifies particular requirements for the use of flammable refrigerants. Unless specifications are covered by this standard, including the annexes, requirements for refrigerating safety are covered by ISO 5149. The parts of ISO 5149 of particular concern to this standard are as follows: • ISO 5149-1:2014, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Definitions, classification and selection criteria. • ISO 5149-2, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation; • ISO 5149-3:2014, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site. Supplementary heaters, or a provision for their separate installation, are within the scope of this standard, but only heaters which are designed as a part of the appliance package, the controls being incorporated in the appliance. NOTE 103 Attention is drawn to the fact that: • for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; • for appliances subjected to pressure, additional requirements may be necessary; • in many countries, additional requirements are specified, for example, by the national health authorities responsible for the protection of labour and the national authorities responsible for storage, transportation, building constructions and installations. NOTE 104 This standard does not apply to • humidifiers intended for use with heating and cooling equipment (IEC 60335-2-88); • appliances designed exclusively for industrial processing; • 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).

Keel: en
Alusdokumendid: IEC 60335-2-40:2018; EN IEC 60335-2-40:2023
Asendab dokumenti: EVS-EN 60335-2-40:2003
Asendab dokumenti: EVS-EN 60335-2-40:2003/A1:2006
Asendab dokumenti: EVS-EN 60335-2-40:2003/A11:2004
Asendab dokumenti: EVS-EN 60335-2-40:2003/A12:2005
Asendab dokumenti: EVS-EN 60335-2-40:2003/A13:2012
Asendab dokumenti: EVS-EN 60335-2-40:2003/A13:2012/AC:2013
Asendab dokumenti: EVS-EN 60335-2-40:2003/A2:2009
Asendab dokumenti: EVS-EN 60335-2-40:2003/AC:2010

EVS-EN IEC 60335-2-40:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, õhukonditsioneeridele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Amendment to EN IEC 60335-2-40:2023

Keel: en
Alusdokumendid: EN IEC 60335-2-40:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-40:2023

EVS-EN IEC 60335-2-40:2023+A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, õhukonditsioneeridele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:2018)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric heat pumps, including sanitary hot water heat pumps, air conditioners, and dehumidifiers incorporating motor-compressors and hydronic fan coils units, their maximum rated voltages being not more than 250 V for single phase appliances and 600 V for all other appliances. Partial units are within the scope of this International Standard. These appliances are used for the household environment and commercial purposes. NOTE Z101 Examples of appliance for household environment are appliances for typical housekeeping functions used in the household environment that can also be used by non-expert users for typical housekeeping functions: — in shops, offices and other similar working environments; — in farmhouses; — by clients in hotels, motels and other residential type environments; — in bed and breakfast type environments. NOTE Z102 Household environment includes the dwelling and its associated buildings, the garden, etc. The appliances referenced above may consist of one or more factory-made assemblies. If provided in more than one assembly, the separate assemblies are to be used together, and the requirements are based on the use of matched assemblies. Appliances and machines intended to be used by expert or trained users in shops, in light industry and on farms, and appliances and machines which are declared to be for commercial use by lay persons are within the scope of this document. NOTE Z103 Additional requirements for such appliances are given in Annex ZE. NOTE Z104 Guidance for appliances in the scope of Pressure Equipment Directive are given in Annex ZAA 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. It is recognized that very vulnerable people can have needs beyond the level addressed in this document. NOTE 101 A definition of 'motor-compressor' is given in IEC 60335-2-34, which includes the statement that the term motor-compressor is used to designate either a hermetic motor-compressor or semi-hermetic motor-compressor. NOTE 102 Requirements for refrigerating safety are covered by ISO 5149-1, ISO 5149-2, and ISO 5149-3. Requirements for containers intended for storage of the heated water included in sanitary hot water heat pumps are, in addition, covered by IEC 60335-2-21. This standard does not take into account refrigerants other than group A1, A2L, A2 and A3 as defined by ISO 817 classification, A2L refrigerants are limited to those of a molar mass of more than or equal to 42 kg/kmol based on WCF – Worst Case Formulation as specified in ISO 817. This standard specifies particular requirements for the use of flammable refrigerants. Unless specifications are covered by this standard, including the annexes, requirements for refrigerating safety are covered by ISO 5149. The parts of ISO 5149 of particular concern to this standard are as follows: • ISO 5149-1:2014, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Definitions, classification and selection criteria. • ISO 5149-2, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation; • ISO 5149-3:2014, Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site. Supplementary heaters, or a provision for their separate installation, are within the scope of this standard, but only heaters which are designed as a part of the appliance package, the controls being incorporated in the appliance. NOTE 103 Attention is drawn to the fact that • for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; • for appliances subjected to pressure, additional requirements may be necessary; • in many countries, additional requirements are specified, for example, by the national health authorities responsible for the protection of labour and the national authorities responsible for storage, transportation, building constructions and installations. NOTE 104 This standard does not apply to • humidifiers intended for use with heating and cooling equipment (IEC 60335-2-88); • appliances designed exclusively for industrial processing; • 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).

Keel: en
Alusdokumendid: IEC 60335-2-40:2018; EN IEC 60335-2-40:2023; EN IEC 60335-2-40:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-40:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-40:2023/A11:2023

EVS-EN ISO 5774:2023

Plastics hoses - Textile-reinforced types for compressed-air applications - Specification (ISO 5774:2023)

This document specifies the requirements for four types of flexible thermoplastic hose, textile reinforced, for compressed-air applications in the temperature range from −10 °C to +60 °C.

Keel: en
Alusdokumendid: ISO 5774:2023; EN ISO 5774:2023
Asendab dokumenti: EVS-EN ISO 5774:2016

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 61158-4-4:2023

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

The data-link layer provides basic time-critical messaging communications between devices in an automation environment. This protocol provides a means of connecting devices through a partial mesh network, such that most failures of an interconnection between two devices can be circumvented. In common practice the devices are interconnected in a non-redundant hierarchical manner reflecting application needs.

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

EVS-EN IEC 61158-6-10:2023

Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - 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 a 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 behavior provided by the Type 10 fieldbus application layer in terms of: • the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, • the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, • the application context state machine defining the application service behavior visible between communicating application entities, and • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to: • define the wire-representation of the service primitives defined in IEC 61158-5-10 and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-10:2023; IEC 61158-6-10:2023
Asendab dokumenti: EVS-EN IEC 61158-6-10:2019

EVS-EN IEC 61158-6-2:2023

Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - 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 specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer in terms of • the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; • the transfer syntax defining encoding rules that are applied to the application layer protocol data units; • the application context state machine defining the application service behavior visible between communicating application entities; • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to • define the wire-representation of the service primitives defined in IEC 61158-5-2, and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-2:2023; IEC 61158-6-2:2023
Asendab dokumenti: EVS-EN IEC 61158-6-2:2019

EVS-EN IEC 61158-6-23:2023

Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification - Type 23 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 23 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 behavior provided

by the different Types of the fieldbus Application Layer in terms of: a) the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, b) the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, c) the application context state machine defining the application service behavior visible between communicating application entities; and d) the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to: a) define the wire-representation of the service primitives defined in IEC 61158-5-23, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the IEC fieldbus Application Layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498) 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: EN IEC 61158-6-23:2023; IEC 61158-6-23:2023
Asendab dokumenti: EVS-EN IEC 61158-6-23:2019

EVS-EN IEC 61158-6-24:2023

Industrial communication networks - Fieldbus specifications - Part 6-24: Application layer protocol specification - Type 24 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 24 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 behavior provided by the Type 24 fieldbus application layer in terms of • the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, • the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, • the application context state machines defining the application service behavior visibly between communicating application entities, and • the application relationship state machines defining the communication behavior visibly between communicating application entities. The purpose of this document is to define the protocol provided to • define the representation-on-wire of the service primitives defined in IEC 61158-5-24, and • define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 24 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI Application Layer Structure (ISO/IEC 9545).

Keel: en
Alusdokumendid: EN IEC 61158-6-24:2023; IEC 61158-6-24:2023
Asendab dokumenti: EVS-EN 61158-6-24:2014

EVS-EN IEC 61158-6-26:2023

Industrial communication networks - Fieldbus specifications - Part 6-26: Application layer protocol specification - Type 26 elements

1.1 General 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 International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer in terms of a) the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; b) the transfer syntax defining encoding rules that are applied to the application layer protocol data units; c) the application context state machine defining the application service behavior visible between communicating application entities; d) the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in IEC 61158-5-2, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol 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). 1.2 Specifications The principal objective of this document is to specify the syntax and behavior of the application layer protocol that conveys the application layer services defined in IEC 61158-5-2. A secondary objective is to provide migration paths from previously-existing industrial communications protocols. 1.3 Conformance This document does not specify individual implementations or products, nor does it constrain the implementations of application layer entities within industrial automation systems. Conformance is achieved through implementation of this application layer protocol specification.

Keel: en
Alusdokumendid: IEC 61158-6-26:2023; EN IEC 61158-6-26:2023
Asendab dokumenti: EVS-EN IEC 61158-6-26:2019

EVS-EN IEC 61158-6-28:2023

Industrial communication networks - Fieldbus specifications - Part 6-28: Application layer protocol specification - Type 28 elements

IEC 61158-6-28:2023 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 28 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 can cause failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.

Keel: en
Alusdokumendid: EN IEC 61158-6-28:2023; IEC 61158-6-28:2023

EVS-EN IEC 61158-6-4:2023

Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification - 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 specifies interactions between remote applications and defines the externally visible behavior provided by the Type 4 fieldbus application layer in terms of • the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; • the transfer syntax defining encoding rules that are applied to the application layer protocol data units; • the application context state machine defining the application service behavior visible between communicating application entities; • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to • define the wire-representation of the service primitives defined in IEC 61158-5-4, and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-4:2023; IEC 61158-6-4:2023
Asendab dokumenti: EVS-EN IEC 61158-6-4:2019

EVS-EN IEC 62439-3:2022/AC:2023

Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR)

Corrigendum to EN IEC 62439-3:2022

Keel: en
Alusdokumendid: EN IEC 62439-3:2022/AC:2023-04; IEC 62439-3:2021/COR1:2023
Parandab dokumenti: EVS-EN IEC 62439-3:2022

29 ELEKTROTEHNIKA

EVS-EN 50705:2023

Raadiosidelised valgustusseadmed. Ohutusnõuded
Lighting equipment with radio communication - safety requirements

This document specifies safety requirements for radio-integrated lighting equipment. NOTE 1 Examples for lighting equipment are light sources, lamps, luminaires and controlgear for light sources. NOTE 2 With the radio equipment integrated into the lighting equipment, the lighting equipment itself becomes radio equipment which is subject to the provisions of the RED.

Keel: en
Alusdokumendid: EN 50705:2023

EVS-EN 60670-24:2013/A11:2023

Elektriseadmete karbid ja ümbrised majapidamis- ja muudes taolistes kohtkindlates elektripaigaldistes. Osa 24: Erinõuded kaitseseadiste ja muude energiat hajutavate elektriseadmete paigutusümbristele
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 24: Particular requirements for enclosures for housing protective devices and other power dissipating electrical equipment

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

Keel: en
Alusdokumendid: EN 60670-24:2013/A11:2023
Muudab dokumenti: EVS-EN 60670-24:2013

EVS-EN 62423:2012+A11+A12:2022

Majapidamises ja muuks taoliseks kasutamiseks ette nähtud, tüüpidesse F ja B kuuluvad rikkevoolukaitselülitid sisseehitatud liigvoolukaitsega või ilma selleta
Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses (IEC 62423:2009, modified + corrigendum Dec. 2011)

The scope of EN 61008-1 and EN 61008-2-1 or EN 61009-1 and EN 61009-2-1 applies with the following additions. This standard specifies requirements and tests for Type F and Type B RCDs (Residual current devices). Requirements and tests given in this standard are in addition to the requirements of Type A residual current devices according to EN 61008-2-1 or EN 61009-2-1. This standard can only be used together with EN 61008-1 and EN 61009-1. Type F RCCBs (Residual Current Circuit Breaker) and Type F RCBOs (Residual current Circuit Breaker with Overcurrent protection) deleted text are intended for installations when frequency inverters are supplied between phase and neutral or phase and earthed middle conductor and are able to provide protection in case of alternating residual sinusoidal at the rated frequency, pulsating direct residual currents and composite residual currents that may occur. Type B RCCBs and Type B RCBOs are able to provide protection in case of alternating residual sinusoidal currents up to 1 000 Hz, pulsating direct residual currents and smooth direct residual currents. Type F and type B RCDs have high resistance against unwanted tripping even if the surge voltage causes a flashover and a follow-on current occurs and in case of inrush residual currents with a maximum duration of 10 ms which can occur in case of switching ON electronic equipment or EMC-filters. RCDs according to this standard are not intended to be used in d.c. supply systems. Further requirements and tests for products to be used in situations where the residual current was not intended to be covered in EN 61008-1 or EN 61009-1 are under consideration. The complete test sequence for type test of Type F RCCBs and Type F RCBOs is given in Tables A.1 and B.1 respectively. The complete test sequence for type test of Type B RCCBs and Type B RCBOs is given in Tables C.1 or D.1 respectively. NOTE 1 Throughout the document, the term RCD refers to RCCBs and RCBOs. NOTE 2 deleted NOTE 3 Type F and type B RCDs have high resistance against unwanted tripping, even if the surge voltage causes a flashover and a follow-on current occurs, and in case of inrush residual currents with a maximum duration of 10 ms which can occur in case of switching ON electronic equipment or EMC-filters.

Keel: en
Alusdokumendid: IEC 62423:2009; EN 62423:2012; EN 62423:2012/A11:2021; EN 62423:2012/A12:2022
Konsolideerib dokumenti: EVS-EN 62423:2012
Konsolideerib dokumenti: EVS-EN 62423:2012/A11:2021
Konsolideerib dokumenti: EVS-EN 62423:2012/A12:2022

EVS-EN IEC 60255-187-1:2021/AC:2023

Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors, generators and transformers

Correction to EN IEC 60255-187-1:2021

Keel: en
Alusdokumendid: EN IEC 60255-187-1:2021/AC:2023-04; IEC 60255-187-1:2021/COR1:2023
Parandab dokumenti: EVS-EN IEC 60255-187-1:2021

33 SIDETEHNIKA

EVS-EN 50705:2023

Raadiosidelised valgustusseadmed. Ohutusnõuded
Lighting equipment with radio communication - safety requirements

This document specifies safety requirements for radio-integrated lighting equipment. NOTE 1 Examples for lighting equipment are light sources, lamps, luminaires and controlgear for light sources. NOTE 2 With the radio equipment integrated into the lighting equipment, the lighting equipment itself becomes radio equipment which is subject to the provisions of the RED.

Keel: en
Alusdokumendid: EN 50705:2023

35 INFOTEHNOLOOGIA

EVS-EN 17367:2023

Waste Management - Data communication between communication management system and the back office system for stationary waste collection containers - Functional specification and the semantic data model

This document defines the standard for exchanging stationary waste collection container information between the collection container system and the back-office systems. This document defines the way to exchange data between the "Communication Management System" of the collection container and the "Back-Office Systems". The exchange of data between the "Collection Container Systems" and the "Communication Management Systems" or the "Back-Office Systems" is excluded. This document targets two streams of information in the waste processing industry: - The processing of transactions and system information for the deposit of waste from the communication management systems to the back office systems. - The processing of authorization and configuration information from the back-office systems to the communication management systems.

Keel: en
Alusdokumendid: EN 17367:2023

EVS-EN 17549-2:2023

Building information modelling - Information structure based on EN ISO 16739 1 to exchange data templates and data sheets for construction objects - Part 2: Configurable construction objects and requirements

The digital transformation of the construction industry includes also the digital transformation of the supply chaine of construction products. With EN ISO 16739-1 exists an open language to design, transfer and maintain construction models. The construction models (e.g. of a building) contain a digital twin of real-life products. The data of these products should be transported in a digital format on the way from the factory to the building owner. This product data should be expressed also in an easy and open way. The creators of product data files should be able to do this manually or automatically, as they like it. The users of product data should be able to use it to: • Express their requirements related to products • Describe configurable products • Import product data easily in the BIM models at any stage of the project (design, construction, operation) • Export product data easily from the BIM models at any stage of the project (design, construction, operation) These scenarios fit in the business models of manufacturers, planners, construction companies and facility managers. The working group 4 of CEN-TC442 has published proposals for creating new work items in the sector of CEN regarding the storage and the transport of product data in the sector of building information modelling (BIM): EN ISO 16739-1:2018: Industry Foundation Classes (IFC) for data sharing in the construction and facility management industries- Part 1: Data schema EN ISO 12006-3: Building construction – Organization of information about construction works – Part 3: Framework for object-oriented information prEN ISO 23386: Building information modelling and other digital processes used in Construction – Methodology to describe, author and maintain properties in interconnected dictionaries prEN ISO 23387: Data templates for construction works entities, Part 1: Objects, collections, and relationships defining the general structure of data templates This standard defines a format to negotiate product data templates, express requirements and describe configurable products and therefore fills the missing link between the product data sources (e.g. catalogs) from the manufacturers and the BIM models of the designers, builders, and owners.

Keel: en
Alusdokumendid: EN 17549-2:2023

EVS-EN IEC 61158-4-4:2023

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

The data-link layer provides basic time-critical messaging communications between devices in an automation environment. This protocol provides a means of connecting devices through a partial mesh network, such that most failures of an interconnection between two devices can be circumvented. In common practice the devices are interconnected in a non-redundant hierarchical manner reflecting application needs.

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

EVS-EN IEC 61158-6-10:2023

Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - 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 a 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 behavior provided by the Type 10 fieldbus application layer in terms of: • the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, • the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, • the application context state machine defining the application service behavior visible between communicating application entities, and • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to: • define the wire-representation of the service primitives defined in IEC 61158-5-10 and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-10:2023; IEC 61158-6-10:2023
Asendab dokumenti: EVS-EN IEC 61158-6-10:2019

EVS-EN IEC 61158-6-2:2023

Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - 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 specifies interactions between remote applications and defines

the externally visible behavior provided by the Type 2 fieldbus application layer in terms of • the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; • the transfer syntax defining encoding rules that are applied to the application layer protocol data units; • the application context state machine defining the application service behavior visible between communicating application entities; • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to • define the wire-representation of the service primitives defined in IEC 61158-5-2, and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-2:2023; IEC 61158-6-2:2023
Asendab dokumenti: EVS-EN IEC 61158-6-2:2019

EVS-EN IEC 61158-6-23:2023

Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification - Type 23 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 23 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 behavior provided by the different Types of the fieldbus Application Layer in terms of: a) the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, b) the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, c) the application context state machine defining the application service behavior visible between communicating application entities; and d) the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to: a) define the wire-representation of the service primitives defined in IEC 61158-5-23, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the IEC fieldbus Application Layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498) 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: EN IEC 61158-6-23:2023; IEC 61158-6-23:2023
Asendab dokumenti: EVS-EN IEC 61158-6-23:2019

EVS-EN IEC 61158-6-24:2023

Industrial communication networks - Fieldbus specifications - Part 6-24: Application layer protocol specification - Type 24 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 24 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 behavior provided by the Type 24 fieldbus application layer in terms of • the abstract syntax defining the application layer protocol data units conveyed between communicating application entities, • the transfer syntax defining the application layer protocol data units conveyed between communicating application entities, • the application context state machines defining the application service behavior visibly between communicating application entities, and • the application relationship state machines defining the communication behavior visibly between communicating application entities. The purpose of this document is to define the protocol provided to • define the representation-on-wire of the service primitives defined in IEC 61158-5-24, and • define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 24 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI Application Layer Structure (ISO/IEC 9545).

Keel: en
Alusdokumendid: EN IEC 61158-6-24:2023; IEC 61158-6-24:2023
Asendab dokumenti: EVS-EN 61158-6-24:2014

EVS-EN IEC 61158-6-26:2023

Industrial communication networks - Fieldbus specifications - Part 6-26: Application layer protocol specification - Type 26 elements

1.1 General 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 International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer in terms of a) the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; b) the transfer syntax defining encoding rules that are applied to the application layer protocol data units; c) the application context state machine defining the application service behavior visible between communicating application entities; d) the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in IEC 61158-5-2, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol 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). 1.2 Specifications The principal objective of this document is to specify the syntax and behavior of the application layer protocol that conveys the application layer services defined in IEC 61158-5-2. A secondary objective is to provide migration paths from previously-existing industrial communications protocols. 1.3 Conformance This document does not specify individual implementations or products, nor does it constrain the implementations of application layer entities within industrial automation systems. Conformance is achieved through implementation of this application layer protocol specification.

Keel: en
Alusdokumendid: IEC 61158-6-26:2023; EN IEC 61158-6-26:2023
Asendab dokumenti: EVS-EN IEC 61158-6-26:2019

EVS-EN IEC 61158-6-4:2023

Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification - 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 specifies interactions between remote applications and defines the externally visible behavior provided by the Type 4 fieldbus application layer in terms of • the formal abstract syntax defining the application layer protocol data units conveyed between communicating application entities; • the transfer syntax defining encoding rules that are applied to the application layer protocol data units; • the application context state machine defining the application service behavior visible between communicating application entities; • the application relationship state machines defining the communication behavior visible between communicating application entities. The purpose of this document is to define the protocol provided to • define the wire-representation of the service primitives defined in IEC 61158-5-4, and • define the externally visible behavior associated with their transfer. This document specifies the protocol 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).

Keel: en
Alusdokumendid: EN IEC 61158-6-4:2023; IEC 61158-6-4:2023
Asendab dokumenti: EVS-EN IEC 61158-6-4:2019

EVS-EN IEC 61784-1-0:2023

Industrial networks - Profiles - Part 1-0: Fieldbus profiles - General concepts and terminology

The IEC 61784-1 series defines several Communication Profile Families (CPF). Each CPF specifies a set of protocol specific communication profiles (CPs) based primarily on the IEC 61158 series, to be used in the design of devices involved in communications in factory manufacturing and process control. This part of IEC 61784-1 defines a common terminology for all CPFs and conventions to be used in the specification of the CPs. It also provides a compliance statement and an overview of the structure and contents of the CPFs in the IEC 61784-1 series. NOTE The added value of the IEC 61784-1 series is explained in Annex A.

Keel: en
Alusdokumendid: EN IEC 61784-1-0:2023; IEC 61784-1-0:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-1:2023

Industrial networks - Profiles - Part 1-1: Fieldbus profiles - Communication Profile Family 1

This part of IEC 61784-1 defines Communication Profile Family 1 (CPF 1). CPF 1 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 1, Type 5 and Type 9) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. NOTE 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. Each CP selects an appropriate consistent and compatible subset of services

and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-1:2023; IEC 61784-1-1:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-16:2023

Industrial networks - Profiles - Part 1-16: Fieldbus profiles - Communication Profile Family 16

This part of IEC 61784-1 defines Communication Profile Family 16 (CPF 16). CPF 16 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 16 and Type 19) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 16 are specified in IEC 61784-2-16. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-16:2023; IEC 61784-1-16:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-19:2023

Industrial networks - Profiles - Part 1-19: Fieldbus profiles - Communication Profile Family 19

IEC 61784-1 (all parts) defines several Communication Profile Families (CPF). Each CPF specifies a set of protocol specific communication profiles (CPs) based primarily on the IEC 61158 series, to be used in the design of devices involved in communications in factory manufacturing and process control. This document defines a common terminology for all CPFs and conventions to be used in the specification of the CPs. It also provides a conformance statement and an overview of the structure and contents of the CPFs in IEC 61784-1 (all parts).

Keel: en
Alusdokumendid: IEC 61784-1-19:2023; EN IEC 61784-1-19:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-2:2023

Industrial networks - Profiles - Part 1-2: Fieldbus profiles - Communication Profile Family 2

This part of IEC 61784-1 defines Communication Profile Family 2 (CPF 2). CPF 2 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 2) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 2 are specified in IEC 61784-2-2. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-2:2023; IEC 61784-1-2:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-3:2023

Industrial networks - Profiles - Part 1-3: Fieldbus profiles - Communication Profile Family 3

This part of IEC 61784-1 defines Communication Profile Family 3 (CPF 3). CPF 3 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 3 and Type 10) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 3 are specified in IEC 61784-2-3. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-3:2023; IEC 61784-1-3:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-4:2023

Industrial networks - Profiles - Part 1-4: Fieldbus profiles - Communication Profile Family 4

This part of IEC 61784-1 defines Communication Profile Family 4 (CPF 4). CPF 4 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 4) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 4 are specified in IEC 61784-2-4. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in

the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-4:2023; IEC 61784-1-4:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-5:2023

Industrial networks - Profiles - Part 1-5: Fieldbus profiles - Communication Profile Family 5

This part of IEC 61784-1 defines Communication Profile Family 5 (CPF 5). CPF 5 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 7) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. NOTE 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. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-5:2023; IEC 61784-1-5:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-6:2023

Industrial networks - Profiles - Part 1-6: Fieldbus profiles - Communication Profile Family 6

This part of IEC 61784-1 defines Communication Profile Family 6 (CPF 6). CPF 6 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 8) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 6 are specified in IEC 61784-2-6. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-6:2023; IEC 61784-1-6:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-8:2023

Industrial networks - Profiles - Part 1-8: Fieldbus profiles - Communication Profile Family 8

This part of IEC 61784-1 defines Communication Profile Family 8 (CPF 8). CPF 8 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 18 and Type 23) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. 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 Some CPs of CPF 8 are specified in IEC 61784-2-8. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-8:2023; IEC 61784-1-8:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-1-9:2023

Industrial networks - Profiles - Part 1-9: Fieldbus profiles - Communication Profile Family 9

This part of IEC 61784-1 defines Communication Profile Family 9 (CPF 9). CPF 9 specifies a set of protocol specific communication profiles (CPs) based on the IEC 61158 series (Type 20) and other standards, to be used in the design of devices involved in communications in factory manufacturing and process control. NOTE 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. Each CP selects an appropriate consistent and compatible subset of services and protocols from the relevant set that is defined and modelled in the IEC 61158 series. For the selected subset of services and protocols, the profile also describes any possible or necessary constraints in parameter values.

Keel: en
Alusdokumendid: EN IEC 61784-1-9:2023; IEC 61784-1-9:2023
Asendab dokumenti: EVS-EN IEC 61784-1:2019

EVS-EN IEC 61784-2-0:2023

Industrial networks - Profiles - Part 2-0: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - General concepts and terminology

The IEC 61784-2 series defines additional Communication Profiles (CPs) for the existing Communication Profile Families (CPFs) of the IEC 61784-1 series and additional CPFs with one or more CPs. These additional CPs are based on the IEC 61158 series, the IEC 61784-1 series, and use provisions from ISO/IEC/IEEE 8802-3 (commonly known as Ethernet) for the lower communication stack layers. These Real-Time Ethernet (RTE) communication profiles provide Real-Time Ethernet

communication solutions able to coexist with ISO/IEC/IEEE 8802-3 based applications. 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 or IEC 61588 and in some cases amend those standards to obtain RTE features. This part of IEC 61784-2 defines: • a common terminology for all CPFs in the IEC 61784-2 series (see 3.1 to 3.3); • conventions to be used in the specification of the RTE communication profiles (see 3.4); • how conformance of a device to a CPF or a CP should be stated (see Clause 4). This document also specifies: • basic principles of performance indicators expressing RTE performance of a CP (see 5.1); • how an application-dependent class could be used to find out a suitable CP to meet application requirements (see 5.2); • characteristics of RTE performance indicators (see 5.3); • the methodology of a conformance test for an RTE end device for one or more CPs (see Clause 6).

Keel: en
Alusdokumendid: EN IEC 61784-2-0:2023; IEC 61784-2-0:2023
Asendab osaliselt dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 61784-2-10:2023

Industrial networks - Profiles - Part 2-10: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 10

This part of IEC 61784-2 defines Communication Profile Family 10 (CPF 10). CPF 10 specifies a Real-Time Ethernet (RTE) communication profile (CP) and related network components based on the IEC 61158 series (Type 17), 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.

Keel: en
Alusdokumendid: EN IEC 61784-2-10:2023; IEC 61784-2-10:2023
Asendab osaliselt dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 61784-2-2:2023

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

This part of IEC 61784-2 defines extensions of Communication Profile Family 2 (CPF 2) for Real-Time Ethernet (RTE). CPF 2 specifies a set of Real-Time Ethernet (RTE) communication profiles (CPs) and related network components based on the IEC 61158 series (Type 2), 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 or IEC 61588 and in some cases amend those standards to obtain RTE features. NOTE 3 Some CPs of CPF 2 are specified in IEC 61784-1-2.

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

EVS-EN IEC 61784-2-3:2023

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

This part of IEC 61784-2 defines extensions of Communication Profile Family 3 (CPF 3) for Real-Time Ethernet (RTE). CPF 3 specifies a set of Real-Time Ethernet (RTE) communication profiles (CPs) and related network components based on the IEC 61158 series (Type 10), 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 3 are specified in IEC 61784-1-3.

Keel: en
Alusdokumendid: EN IEC 61784-2-3:2023; IEC 61784-2-3:2023
Asendab osaliselt dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 61784-2-4:2023

Industrial networks - Profiles - Part 2-4: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 4

This part of IEC 61784-2 defines extensions of Communication Profile Family 4 (CPF 4) for Real-Time Ethernet (RTE). CPF 4 specifies a Real-Time Ethernet (RTE) communication profile (CP) and related network components based on the IEC 61158 series (Type 4), 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 profile uses 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 A CP of CPF 4 is specified in IEC 61784-1-4.

Keel: en
Alusdokumendid: EN IEC 61784-2-4:2023; IEC 61784-2-4:2023
Asendab osaliselt dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 61784-2-6:2023

Industrial networks - Profiles - Part 2-6: Additional real-time fieldbus profiles based on ISO/IEC/IEEE 8802-3 - CPF 6

This part of IEC 61784-2 defines extensions of Communication Profile Family 6 (CPF 6) for Real-Time Ethernet (RTE). CPF 6 specifies a set of Real-Time Ethernet (RTE) communication profiles (CPs) and related network components based on the IEC 61158 series (Type 8 and Type 10), 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 6 are specified in IEC 61784-1-6.

Keel: en
Alusdokumendid: EN IEC 61784-2-6:2023; IEC 61784-2-6:2023
Asendab osaliselt dokumenti: EVS-EN IEC 61784-2:2019

EVS-EN IEC 62439-3:2022/AC:2023

Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR)

Corrigendum to EN IEC 62439-3:2022

Keel: en
Alusdokumendid: EN IEC 62439-3:2022/AC:2023-04; IEC 62439-3:2021/COR1:2023
Parandab dokumenti: EVS-EN IEC 62439-3:2022

EVS-EN ISO 19157-1:2023

Geographic information - Data quality - Part 1: General requirements (ISO 19157-1:2023)

This document establishes the principles for describing the quality of geographic data. It: — defines a well-considered system of components for describing data quality; — defines the process for defining additional, domain-specific components for describing data quality; — specifies components and the content structure of data quality measures; — describes general procedures for evaluating the quality of geographic data; — establishes principles for reporting data quality. This document is applicable to data producers providing quality information to describe and assess how well a dataset conforms to its product specification and to data users attempting to determine whether or not specific geographic data are of sufficient quality for their particular application. This document does not attempt to define minimum acceptable levels of quality for geographic data. Such information is usually present as a requirement in a data product specification, defined in accordance with ISO 19131, for example.

Keel: en
Alusdokumendid: ISO 19157-1:2023; EN ISO 19157-1:2023
Asendab dokumenti: EVS-EN ISO 19157:2014
Asendab dokumenti: EVS-EN ISO 19157:2014/A1:2018

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 1501-4:2023

Prügikogumissõidukid. Üld- ja ohutusnõuded. Osa 4: Prügikogumissõidukite mürakatsemeetod
Refuse collection vehicles - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles

This document provides all of the information required in order to perform efficiently, and in standardized conditions, the determination, the declaration and the verification of noise emission values of refuse collection vehicles. The document ensures the reproducibility of the determination of noise emission values within the limits established for the accuracy grade of the basic standard used to determine noise emission values. This document specifies the noise measurement conditions for the types of RCVs defined and described in the standards of the EN 1501:2021 series. This document applies to machines which are manufactured after the date of approval of this document by CEN. Noise emissions of mobile waste and recycling containers are excluded.

Keel: en
Alusdokumendid: EN 1501-4:2023
Asendab dokumenti: EVS-EN 1501-4:2007

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN IEC 60335-2-75:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

IEC 60335-2-75:2012 deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Examples of appliances that are within the scope of this standard are bulk tea or coffee brewing machines, cigarette vending machines, coffee grinders, commercial liquid heaters, coffee makers with or without integrated coffee grinder, coffee makers with cooling systems, hot and cold beverage vending machines, hot water dispensers, ice cream and whipped cream dispensers, ice dispensers, newspaper, audio or video tape or disc vending machines, packaged food and drink vending machines and refrigerated merchandisers. Appliances can have more than one function. Other standards may be applicable for some functions such as refrigeration (IEC 60335-2-24) and heating by microwaves (IEC 60335-2-25). This standard also deals with the hygiene aspects of appliances. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by users and maintenance persons. However, in general, it does not take into account young children playing with the appliance. This third edition cancels and replaces the second edition published in 2002 including its Amendment 1 (2004) and its Amendment 2 (2008). It constitutes a technical revision. The principal changes in this edition as compared with the second edition of IEC 60335-2-75 are as follows: some notes have been deleted or converted to normative text (5.2, 5.6, 5.104, 7.12.1, 7.12.101.1, 11.2, 11.8, 15.2.103, 15.2.104, 15.2.106, 15.2.109, 15.2.111, 19.102, 19.6, 19.13, 19.101, 22.6, 22.7, 22.112, 22.113, 22.114, 24.102, 27.2), added requirements for espresso coffee makers in 3.115, 22.114 and throughout standard, modified 11.4 to address heating appliances with electronic process controls and 11.6 to address combined appliances without electronic process controls, modified Clause 22 to indicate that pressure regulating devices are to be rendered inoperable and deleted ISO 13732-1 from Bibliography. 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 publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

Keel: en
Alusdokumendid: IEC 60335-2-75:2012; EN IEC 60335-2-75:2023
Asendab dokumenti: EVS-EN 60335-2-75:2004
Asendab dokumenti: EVS-EN 60335-2-75:2004/A1:2005
Asendab dokumenti: EVS-EN 60335-2-75:2004/A11:2006
Asendab dokumenti: EVS-EN 60335-2-75:2004/A12:2010
Asendab dokumenti: EVS-EN 60335-2-75:2004/A2:2008

EVS-EN IEC 60335-2-75:2023/A1:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Amendment to EN IEC 60335-2-75:2023

Keel: en
Alusdokumendid: IEC 60335-2-75:2012/A1:2015; EN IEC 60335-2-75:2023/A1:2923
Muudab dokumenti: EVS-EN IEC 60335-2-75:2023

EVS-EN IEC 60335-2-75:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

IEC 60335-2-75:2012 deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Examples of appliances that are within the scope of this standard are bulk tea or coffee brewing machines, cigarette vending machines, coffee grinders, commercial liquid heaters, coffee makers with or without integrated coffee grinder, coffee makers with cooling systems, hot and cold beverage vending machines, hot water dispensers, ice cream and whipped cream dispensers, ice dispensers, newspaper, audio or video tape or disc vending machines, packaged food and drink vending machines and refrigerated merchandisers. Appliances can have more than one function. Other standards may be applicable for some functions such as refrigeration (IEC 60335-2-24) and heating by microwaves (IEC 60335-2-25). This standard also deals with the hygiene aspects of appliances. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by users and maintenance persons. However, in general, it does not take into account young children playing with the appliance. This third edition cancels and replaces the second edition published in 2002 including its Amendment 1 (2004) and its Amendment 2 (2008). It constitutes a technical revision. The principal changes in this edition as compared with the second edition of IEC 60335-2-75 are as follows: some notes have been deleted or converted to normative text (5.2, 5.6, 5.104, 7.12.1, 7.12.101.1, 11.2, 11.8, 15.2.103, 15.2.104, 15.2.106, 15.2.109, 15.2.111, 19.102, 19.6, 19.13, 19.101, 22.6, 22.7, 22.112, 22.113, 22.114, 24.102, 27.2), added requirements for espresso coffee makers in 3.115, 22.114 and throughout standard, modified 11.4 to address heating appliances with electronic process controls and 11.6 to address combined appliances without electronic process controls, modified Clause 22 to indicate that pressure regulating devices are to be rendered

inoperable and deleted ISO 13732-1 from Bibliography. 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 publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication. Keywords: Vending machines, Dispensers.

Keel: en
Alusdokumendid: EN IEC 60335-2-75:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-75:2023

EVS-EN IEC 60335-2-75:2023/A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

This European Standard deals deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances.

Keel: en
Alusdokumendid: IEC 60335-2-75:2012/A2:2018; EN IEC 60335-2-75:2023/A2:2023
Muudab dokumenti: EVS-EN IEC 60335-2-75:2023

EVS-EN IEC 60335-2-75:2023+A1+A11+A2:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines (IEC 60335-2-75:2012 + IEC 60335-2-75:2012/A1:2015 + IEC 60335-2-75:2012/A2:2018)

This clause of Part 1 is replaced by the following. This International Standard deals with the safety of electric commercial dispensing appliances and vending machines for preparation or delivery of food, drinks and consumer products, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. NOTE 101 Examples of appliances that are within the scope of this standard are – bulk tea or coffee brewing machines; – cigarette vending machines; – coffee grinders; – commercial liquid heaters; – coffee makers with or without integrated coffee grinder; – coffee makers with cooling systems; – hot and cold beverage vending machines; – hot water dispensers; – ice cream and whipped cream dispensers; – ice dispensers; – newspaper, audio or video tape or disc vending machines; – packaged food and drink vending machines; – refrigerated merchandisers. Appliances can have more than one function. NOTE 102 Other standards may be applicable for some functions such as – refrigeration (IEC 60335-2-89); – heating by microwaves (IEC 60335-2-90). This standard also deals with the hygiene aspects of appliances. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by users and maintenance persons. However, in general, it does not take into account young children playing with the appliance. NOTE 103 Attention is drawn to the fact that – for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary; – in many countries, additional requirements for appliances incorporating pressure vessels are specified; – in many countries, additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities. — for scrapping of appliances, additional requirements can be necessary. NOTE 104 This standard does not apply to – appliances intended to be used exclusively for household purposes; – appliances intended to be used 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); – commercial electric boiling pans (IEC 60335-2-47); – commercial electric bains-marie (IEC 60335-2-50); – amusement machines and personal service machines (IEC 60335-2-82); – commercial refrigerating appliances (IEC 60335-2-89); – appliances solely used for dispensing money; – display cabinets; – appliances incorporating electrode-type water heaters. – requirements for dispensed potentially hazardous food (these are covered by national health regulations in many countries).

Keel: en
Alusdokumendid: IEC 60335-2-75:2012; EN IEC 60335-2-75:2023; IEC 60335-2-75:2012/A1:2015; EN IEC 60335-2-75:2023/A1:2923; EN IEC 60335-2-75:2023/A11:2023; IEC 60335-2-75:2012/A2:2018; EN IEC 60335-2-75:2023/A2:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-75:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-75:2023/A1:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-75:2023/A11:2023
Konsolideerib dokumenti: EVS-EN IEC 60335-2-75:2023/A2:2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 17848:2023

Leather - Chemicals - Quality control

This guideline provides a list of recommended tests that can be used to assess the quality of chemicals used in tanning process. This guideline applies to chemicals whose application has the same effect on leather, grouped in families.

Keel: en
Alusdokumendid: EN 17848:2023

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 8586:2023

Sensory analysis - Selection and training of sensory assessors (ISO 8586:2023)

This International Standard specifies criteria for the selection and procedures for the training of trained sensory assessors and expert sensory assessors for food and beverages, as well as home and personal care products. This standard supplements the information given in ISO 6658.

Keel: en
Alusdokumendid: EN ISO 8586:2023; ISO 8586:2023
Asendab dokumenti: EVS-EN ISO 8586:2014

71 KEEMILINE TEHNOLOOGIA

EVS-EN 351-1:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 1: Kaitsevahendi läbitavuse ja sissejäävuse liigitus
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

See standardisarja EN 351 osa loob liigituse kaitseimmutatud puidule kaitsevahendi läbitavuse järgi ja annab juhised sissejäävuse liigitamiseks. Neid saab kasutada alusena eri toodete kaitseimmutuste määratlemiseks. See standardisarja EN 351 osa määratleb terminoloogia, mida määratleja peab kasutama kaitseimmutuse spetsifikatsiooni või tootestandardi ettevalmistamisel. See ise ei ole immutuse spetsifikatsioon. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. See ei rakendu kasutuses oleva immutatud puidu mingile järgnevale kontrollile. MÄRKUS 1 Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa on rakendatav puidu kaitseks puitu hävitavate ja puitu moonutavate seente, putukate ja mereorganismide vastu. MÄRKUS 2 Kaitse puitu moonutavate seente eest on valikuline omadus, mida kontrollitakse standardi EN 599-1 kohase testimisega. See standardisarja EN 351 osa ei käsitle immutatud puidu teisi omadusi, näiteks lõhna, kokkusobivust teiste materjalidega, nagu kinnitusvahendite korrodeerivust. Samuti ei käsitle see standard mingeid omadusi tervise, ohutuse ja keskkonna vaatepunktist. See standardisarja EN 351 osa ei rakendu puidule, mida on immutatud koostistega, mida on rakendatud kasutuses olevale puidule olemasoleva seen- või putukkahjustuse kõrvaldamiseks või ohjeldamiseks või maltspuidu värvusriket põhjustava seene või värskelt raiutud puidus olevate putukate kahjustuste ärahoidmiseks. Lisa A (teatmelisa) sisaldab otsustusprotsessi kaitseimmutuse nõuete täpsustamiseks. Lisa B (teatmelisa) annab märgistussüsteemi näite.

Keel: en, et
Alusdokumendid: EN 351-1:2023
Asendab dokumenti: EVS-EN 351-1:2007

EVS-EN 351-2:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 2: Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks
Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

See standardisarja EN 351 osa annab juhised üldiste protseduuride kohta, mida tuleb kasutada kaitseimmutatud puidust proovide võtmisel puidukaitsevahendi läbitavuse ja sissejäävuse määramiseks. Samuti annab see juhised puidukaitsevahendi läbitavuse ja sissejäävuse mõõtmiseks immutatud puidus. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. MÄRKUS Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa ei ole rakendatav kasutuses oleva kaitseimmutatud puidu kohta. Standardisarja EN 351 selles osas esitatud proovivõtujuhiseid saab siiski rakendada kasutuses oleva immutatud puidu hilisemaks kontrollimiseks. Lisa A (teatmelisa) sisaldab näidisühikute arvu valimist. Lisa B (teatmelisa) sisaldab sissejäävuse mõõtmise näiteid.

Keel: en, et
Alusdokumendid: EN 351-2:2023
Asendab dokumenti: EVS-EN 351-2:2007

EVS-EN ISO 13132:2023

Laboratory glassware - Petri dishes (ISO 13132:2023)

This document specifies requirements and tests for glass Petri dishes intended for general laboratory purposes and microbiological work.

Keel: en
Alusdokumendid: ISO 13132:2023; EN ISO 13132:2023
Asendab dokumenti: EVS-EN ISO 13132:2011

77 METALLURGIA

CEN/TR 10261:2023

Iron and steel - European standards for the determination of chemical composition

This document lists, under Clause 4, the European Standards which are currently available for the determination of the chemical composition of steels and cast irons. In Clause 5, this document provides details on the range of application and gives the principle of the method described in each standard. Items which are under preparation as European Standards or as CEN Technical Reports by ECISS/TC 102 are available on the webpage of CEN, through the following link: https://standards.cen.eu/dyn/www/f?p=204:22:0::::FSP_ORG_ID:733643&cs=123E58BF77E3DE921F548B80C5FF2E5D4. Annex A gives a list of other European Standards and CEN Technical Reports applicable for the determination of the chemical composition of steels and cast irons. Annex B gives a list of withdrawn Euronorms, together with the corresponding replacement European Standards, if any. Annex C shows graphical representations of the content ranges of the methods listed in this document. Figure C.1 gives the content ranges of the referee methods, Figure C.2 gives the content ranges of the routine methods and Figure C.3 represents the fields of application of all the methods described. Annex D provides a trilingual key of the abbreviations used in the Figures given in Annex C. NOTE Three methods applicable for the analysis of some ferro-alloys are listed in Annex A.

Keel: en
Alusdokumendid: CEN/TR 10261:2023
Asendab dokumenti: CEN/TR 10261:2018

EVS-EN 10359:2023

Laser welded tailored blanks - Technical delivery conditions

This document specifies the requirements for laser welded tailored blanks (LWB) made of steels for all cold or hot forming processes. This document is applicable to all steel grades with or without metallic and/or organic coatings, having uniform or different sheet thickness, welded with or without extra material addition. After the welding process, LWB are further processed to pressed parts by forming operations under the responsibility of the processor.

Keel: en
Alusdokumendid: EN 10359:2023
Asendab dokumenti: EVS-EN 10359:2015

EVS-EN ISO 4491-2:2023

Metallic powders - Determination of oxygen content by reduction methods - Part 2: Loss of mass on hydrogen reduction (hydrogen loss) (ISO 4491-2:2023)

This document specifies a method for the determination of the relative loss of mass which a metallic powder undergoes when heated in a stream of pure dry hydrogen under specified conditions. The purpose of this test is to evaluate a chemical powder characteristic which is of importance to the powder metallurgical industry. The test is not intended as a means for the determination of the content of specific elements. (See Annex A and ISO 4491-1.) The test method is applicable to unalloyed, partially alloyed and completely alloyed powders of the metals listed in table 1 (see 6.1). It is not applicable to lubricated powders or to mixtures of metal powders. The results can be influenced by the presence of reducible, oxidizable or volatile metals, metalloids or compounds (see Annex A). The results obtained on such powders shall be used with caution and their interpretation shall be subject to agreement between supplier and user.

Keel: en
Alusdokumendid: EN ISO 4491-2:2023; ISO 4491-2:2023
Asendab dokumenti: EVS-EN ISO 4491-2:2000

79 PUIDUTEHNOLOOGIA

EVS-EN 351-1:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 1: Kaitsevahendi läbitavuse ja sissejäävuse liigitus
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

See standardisarja EN 351 osa loob liigituse kaitseimmutatud puidule kaitsevahendi läbitavuse järgi ja annab juhised sissejäävuse liigitamiseks. Neid saab kasutada alusena eri toodete kaitseimmutuste määratlemiseks. See standardisarja EN 351 osa määratleb terminoloogia, mida määratleja peab kasutama kaitseimmutuse spetsifikatsiooni või tootestandardi ettevalmistamisel. See ise ei ole immutuse spetsifikatsioon. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. See ei rakendu kasutuses oleva immutatud puidu mingile järgnevale kontrollile. MÄRKUS 1 Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa on rakendatav puidu kaitseks puitu hävitavate ja puitu moonutavate seente, putukate ja mereorganismide vastu. MÄRKUS 2 Kaitse puitu moonutavate seente eest on valikuline omadus, mida kontrollitakse standardi EN 599-1 kohase testimisega. See standardisarja EN 351 osa ei käsitle immutatud puidu teisi omadusi, näiteks lõhna, kokkusobivust teiste materjalidega, nagu kinnitusvahendite korrodeerivust. Samuti ei käsitle see standard mingeid omadusi tervise, ohutuse ja keskkonna vaatepunktist. See standardisarja EN 351 osa ei rakendu puidule, mida on immutatud koostistega, mida on rakendatud kasutuses olevale puidule olemasoleva seen- või putukkahjustuse kõrvaldamiseks või ohjeldamiseks või maltspuidu värvusriket põhjustava seene või värskelt raiutud puidus olevate putukate kahjustuste ärahoidmiseks. Lisa A (teatmelisa) sisaldab otsustusprotsessi kaitseimmutuse nõuete täpsustamiseks. Lisa B (teatmelisa) annab märgistussüsteemi näite.

Keel: en, et
Alusdokumendid: EN 351-1:2023
Asendab dokumenti: EVS-EN 351-1:2007

EVS-EN 351-2:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 2: Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks
Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

See standardisarja EN 351 osa annab juhised üldiste protseduuride kohta, mida tuleb kasutada kaitseimmutatud puidust proovide võtmisel puidukaitsevahendi läbitavuse ja sissejäävuse määramiseks. Samuti annab see juhised puidukaitsevahendi läbitavuse ja sissejäävuse mõõtmiseks immutatud puidus. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. MÄRKUS Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa ei ole rakendatav kasutuses oleva kaitseimmutatud puidu kohta. Standardisarja EN 351 selles osas esitatud proovivõtujuhiseid saab siiski rakendada kasutuses oleva immutatud puidu hilisemaks kontrollimiseks. Lisa A (teatmelisa) sisaldab näidisühikute arvu valimist. Lisa B (teatmelisa) sisaldab sissejäävuse mõõtmise näiteid.

Keel: en, et
Alusdokumendid: EN 351-2:2023
Asendab dokumenti: EVS-EN 351-2:2007

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 302-8:2023

Adhesives for load-bearing timber structures - Test methods - Part 8: Static load test of multiple bond line specimens in compression shear

This document specifies a method of determining the ability of adhesive bonds to resist static load. It is applicable to adhesives used in load bearing timber structures. It is applicable for the following applications: a) for assessing the compliance of adhesives according to EN 301, EN 15425, EN 16254, EN 17334 and EN 17418; b) for assessing the suitability and quality of adhesives for load-bearing timber structures; c) for assessing the effect on the bond strength resulting from constant load at different climate conditions. This method is intended primarily to obtain performance data for the classification of adhesives for load bearing timber structures according to their suitability for use in defined climatic environments. This method is not intended to provide data for structural design and does not necessarily represent the performance of the bonded member in service.

Keel: en
Alusdokumendid: EN 302-8:2023
Asendab dokumenti: EVS-EN 302-8:2017

EVS-EN 549:2019+A1:2023

Kummimaterjalid gaasiseadmete tihenditele ja membraanidele
Rubber materials for seals and diaphragms for gas appliances and gas equipment

This document specifies requirements and associated test methods for rubber materials used in gas installations, gas equipment and gas appliances in contact with 1st, 2nd and 3rd family combustible gases as classified in EN 437:2018, additionally LPG, bio methane and bio LPG, in the same quality, are covered. It also establishes a classification based on temperature range and hardness. This document is applicable to materials from which homogeneous seals and homogeneous or reinforced diaphragms are manufactured. Since the dimensions and shape of the components differ from those of standard test pieces taken from sheet material as used for type testing of the rubber materials according to this document, tolerances have been made in the requirements specified by Annex A for the components with respect to those specified for standard test pieces. The range of operating temperatures covered by this document is –40 °C to +150 °C. For applications with potential condensation, this document is not applicable for silicon rubber, e.g. above 200 hPa (200 mbar) nominal pressure or at temperatures below 0 °C with 3rd family gases.

Keel: en
Alusdokumendid: EN 549:2019+A1:2023
Asendab dokumenti: EVS-EN 549:2019

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

CEN/TS 927-12:2023

Paints and varnishes - Coating materials and coating systems for exterior wood - Part 12: Ultraviolet and visible radiation transmittance

This Technical Specification describes a test method to measure the ultraviolet (UV) and visible (VIS) spectral transmittance in the wavelength range from 280 nm to 700 nm of coatings for exterior wood. From the spectral transmittance the transmittance of UV, VIS and the UV plus VIS wavelength range can be calculated. It is applicable to free coatings films or coatings applied on a UV-transparent substrate.

Keel: en
Alusdokumendid: CEN/TS 927-12:2023

91 EHITUSMATERJALID JA EHITUS

EVS-HD 60364-5-52:2011/AC:2023

Madalpingelised elektripaigaldised. Osa 5-52: Elektriseadmete valik ja paigaldamine. Juhistikud

Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems (IEC 60364-5-52:2009, modified + corrigendum Feb. 2011)

Standardi EVS-HD 60364-5-52:2011 parandus.

Keel: et
Parandab dokumenti: EVS-HD 60364-5-52:2011

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 13387-5:2023

Child care articles - General safety guidelines - Part 5: Product information

Product information given in standards has a direct impact on safety. It should contribute to avoiding risks to the child. However, product information is not intended to compensate for design deficiencies and does not in itself make a product safer but is a means for the manufacturer to communicate with the user. Reasonable foreseeable misuse and risks of the product should be made explicit and adequate warnings be given. All product information should be in the language(s) of the country in which the product is sold. It should be presented so that it is unambiguous, legible and easy to read and comprehend. A risk analysis should be applied to identify those hazards for which safety-related product information is required.

Keel: en
Alusdokumendid: CEN/TR 13387-5:2023
Asendab dokumenti: CEN/TR 13387-5:2018

EVS-EN 13721:2023

Furniture - Assessment of the surface reflectance

This document specifies a method for the assessment of the surface reflectance of furniture surfaces and relates to rigid surfaces of all finished products regardless of materials, except for finishes on leather and fabrics, which are excluded from this document. This document is applicable to the test, intended to be carried out on finished furniture, but can be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test. The test method is not applicable to some metallic paints and pearly coatings.

Keel: en
Alusdokumendid: EN 13721:2023
Asendab dokumenti: EVS-EN 13721:2004

EVS-EN 16611:2023

Furniture - Assessment of the surface resistance to microscratching

This document specifies a method for the assessment of the surface resistance to microscratching and relates to rigid surfaces of all finished products, considering the following exceptions: - Method A is suitable for all types of surface coatings and coverings except for lacquers with pearly or metallic effects. - Method B is suitable for all types of surface. - No method applies to finishes on leather and fabrics. This document is applicable to the test intended to be carried out on a part of finished furniture, but it can be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test. It is essential that the test be carried out on unused surfaces.

Keel: en
Alusdokumendid: EN 16611:2023
Asendab dokumenti: CEN/TS 16611:2016

EVS-EN 30-1-2:2023

Kodused gaaskuumutusega toiduvalmistusseadmed. Osa 1-2: Ohutus. Sundkonvektsiooniga ahjudega seadmed

Domestic cooking appliances burning gas - Part 1-2: Safety - Appliances having forced-convection ovens

This European Standard specifies the special constructional and operational characteristics, as well as the requirements and methods of test for safety and marking, for domestic cooking appliances having forced-convection ovens and /or grills using combustible gases, as defined in EN 30-1-1:2008+A2:2010. Unless specifically excluded, this European Standard applies to appliances or their component parts, whether the component parts are independent or incorporated as part of the appliance, even if the other heating components use electrical energy (for example combined gas-electric cookers). This European Standard includes requirements covering the electrical safety of equipment incorporated in the appliance that are associated with the use of gas. It does not include requirements covering the electric safety of electrically-heated components or their associated equipment1). This European Standard does not apply to: - outdoor appliances; - appliances connected to a combustion products evacuation duct; - appliances having a pyrolytic gas oven; - appliances having covered burners which do not comply with the constructional requirements of EN 30-1-1:2008+A2:2010, 5.2.8.2.2; - appliances incorporating flame supervision devices and having an automatic ignition device for which the duration of the ignition attempt is limited by design; - appliances equipped with a burner that is periodically ignited and extinguished under the control of an automatic on/off device; - appliances equipped with

a burner having a fan for the supply of combustion air or for the evacuation of the products of combustion; - appliances supplied at pressures greater than those defined in EN 30-1-1:2008+A2:2010, 7.1.2; - appliances equipped with an oven and/or with a grill having a fan either for the supply of combustion air or for the evacuation of the products of combustion; - appliances equipped with a compartment in which a burner and an electric heating element can function simultaneously; - appliances having one or more burners that are capable of remote operation (type 1 or type 2), unless the burner(s) concerned are thermostatically controlled oven burners of time-controlled ovens that are designed for a delayed start without the user being present. This European Standard does not cover the requirements relating to third family gas cylinders, their regulators and their connection. This European Standard only covers type testing.

Keel: en
Alusdokumendid: EN 30-1-2:2023
Asendab dokumenti: EVS-EN 30-1-2:2012

EVS-EN 564:2023

Mägironimisvarustus. Abinöörid. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Accessory cords - Safety requirements and test methods

This document specifies safety requirements and test methods for accessory cords, supplied on a drum or in separate lengths, for use in mountaineering including climbing.

Keel: en
Alusdokumendid: EN 564:2023
Asendab dokumenti: EVS-EN 564:2014

EVS-EN 892:2012+A3:2023

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

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

Keel: en
Alusdokumendid: EN 892:2012+A3:2023
Asendab dokumenti: EVS-EN 892:2012+A2:2021

EVS-EN IEC 60335-2-34:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-34: Erinõuded mootorkompressoritele
Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors

This European Standard deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any, which are intended for use in equipment for household and similar purposes and which conform with the standards applicable to such equipment. It applies to motor-compressors tested separately, under the most severe conditions that may be expected to occur in normal use, their rated voltage being not more than 250 V for single-phase motor-compressors and 480 V for other motor-compressors.

Keel: en
Alusdokumendid: IEC 60335-2-34:2021; EN IEC 60335-2-34:2023
Asendab dokumenti: EVS-EN 60335-2-34:2013

EVS-EN IEC 60335-2-34:2023/A11:2023

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-34: Erinõuded mootorkompressoritele
Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors

This European Standard deals with the safety of sealed (hermetic and semi-hermetic type) motor-compressors, their protection and control systems, if any, which are intended for use in equipment for household and similar purposes and which conform with the standards applicable to such equipment. It applies to motor-compressors tested separately, under the most severe conditions that may be expected to occur in normal use, their rated voltage being not more than 250 V for single-phase motor-compressors and 480 V for other motor-compressors

Keel: en
Alusdokumendid: EN IEC 60335-2-34:2023/A11:2023
Muudab dokumenti: EVS-EN IEC 60335-2-34:2023

EVS-EN IEC 60350-1:2023

Kodumajapidamises kasutatavad elektrilised toiduvalmistusseadmed. Osa 1: Pliidid, ahjud, auruahjud ja grillid. Toimivuse mõõtemeetodid

Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance

IEC 60350-1:2023 specifies methods for measuring the performance of electric cooking ranges, ovens, steam ovens, and grills for household use. This document is also applicable to portable appliances with similar functionalities that were previously covered by the withdrawn IEC 61817. The ovens covered by this document can be with or without microwave function. Manufacturers are expected to define the primary cooking function of the appliance – microwave function or thermal heat. The primary cooking function is measured with an existing method according to energy consumption. If the primary cooking function is declared in the instruction manual as a microwave function, IEC 60705 is applied for energy consumption measurement. If the primary cooking function is declared as a thermal heat, then IEC 60350-1 is applied for energy consumption measurement. If the primary function is not declared by the manufacturer, the performance of the microwave function and thermal heat is measured as far as it is possible. For measurement of energy consumption and time for heating a load (see Clause 8), this document is furthermore not applicable to: - microwave combination function; - ovens with reciprocating trays or turntable; - small cavity ovens (see 3.16); - ovens without adjustable temperature control; - heating functions and eco functions other than defined in this document; - appliances with only solo steam function. This document does not apply to microwave ovens (IEC 60705). This document defines the main performance characteristics of these appliances that 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 (IEC 60335-2-6 and IEC 60335-2-9). Appliances covered by this document can be built-in or for placing on a working surface or the floor. There is no measurement method for the energy consumption for grilling and steam functions available. This third edition cancels and replaces the second edition published in 2016 and Interpretation Sheet 1:2021. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) new definitions for heating function, eco function and definitions relevant for low power mode considerations are amended in Clause 3; b) order of clauses is changed; c) revision of 5.3; d) update of 6.2 in order to improve the reliability of volume measurement; e) removal of 6.7, Level of shelf; f) revision of Clause 7 concerning the accuracy of eco functions with residual heat use; g) revision of Clause 8 in order to improve the reliability of the method for measuring the energy consumption, especially regarding anti-circumvention; h) unique energy consumption measurement for all heating functions and eco functions with an indication of the energy consumption for a temperature increase of 165 K (compared to 155 K currently for forced air circulation function, for example), which results in higher energy consumption values compared to the previous edition; i) Ry replaced by L* in Clause 9 and reference to IEC TS 63350; j) cook.

Keel: en
Alusdokumendid: IEC 60350-1:2023; EN IEC 60350-1:2023
Asendab dokumenti: EVS-EN 60350-1:2016
Asendab dokumenti: EVS-EN 60350-1:2016/A1:2021
Asendab dokumenti: EVS-EN 60350-1:2016+A1:2021

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN ISO 8586:2014

Sensory analysis - General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO 8586:2012)

Keel: en
Alusdokumendid: ISO 8586:2012; EN ISO 8586:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 8586:2023
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

EVS-EN ISO 13132:2011

Laboratory glassware - Petri dishes (ISO 13132:2011)

Keel: en
Alusdokumendid: ISO 13132:2011; EN ISO 13132:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 13132:2023
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CLC/TR 62685:2011

Industrial communication networks - Profiles - Assessment guideline for safety devices using IEC 61784-3 functional safety communication profiles (FSCPs)

Keel: en
Alusdokumendid: IEC/TR 62685:2010; CLC/TR 62685:201
Standardi staatus: Kehtetu

EVS-EN 14058:2017

Kaitseriietus. Rõivad kaitseks jahedate keskkondade eest
Protective clothing - Garments for protection against cool environments

Keel: en
Alusdokumendid: EN 14058:2017
Asendatud järgmise dokumendiga: EVS-EN 14058:2017+A1:2023
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 1501-4:2007

Prügikogumissõidukid ja nendega ühendatud tõstemehhanismid. Põhi- ja ohutusnõuded. Osa 4: Prügikogumissõidukite müra mõõtmise protokoll
Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles

Keel: en
Alusdokumendid: EN 1501-4:2007
Asendatud järgmise dokumendiga: EVS-EN 1501-4:2023
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 1401-1:2019

Maa-alused isevoolsed drenaaži ja kanalisatsiooni plasttorustikud. Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 1: Torude, liitmike ja torustike spetsifikatsioonid
Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

Keel: en, et
Alusdokumendid: EN 1401-1:2019

Asendatud järgmise dokumendiga: EVS-EN 1401-1:2019+A1:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: IEC 60335-2-40:2002; EN 60335-2-40:2003; EN 60335-2-40:2003/AC:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A1:2006
Muudetud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A11:2004
Muudetud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A12:2005
Muudetud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A13:2012
Muudetud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A2:2009
Parandatud järgmise dokumendiga: EVS-EN 60335-2-40:2003/AC:2010
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A1:2006

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: IEC 60335-2-40:2002/A1:2005; EN 60335-2-40:2003/A1:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A11:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A11:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A12:2005

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A12:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A2:2009

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: IEC 60335-2-40:2002/A2:2005; EN 60335-2-40:2003/A2:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/AC:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/AC:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

EVS-EN ISO 5774:2016

Plastics hoses - Textile-reinforced types for compressed-air applications - Specification (ISO 5774:2016)

Keel: en
Alusdokumendid: ISO 5774:2016; EN ISO 5774:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 5774:2023
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 61158-6-24:2014

Industrial communication networks - Fieldbus specifications - Part 6-24: Application layer protocol specification - Type-24 Elements

Keel: en
Alusdokumendid: EN 61158-6-24:2014; IEC 61158-6-24:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-24:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-4:2019

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

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

EVS-EN IEC 61158-6-10:2019

Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements

Keel: en
Alusdokumendid: IEC 61158-6-10:2019; EN IEC 61158-6-10:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-10:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-2:2019

Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-6-2:2019; EN IEC 61158-6-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-23:2019

Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification - Type 23 elements

Keel: en
Alusdokumendid: IEC 61158-6-23:2019; EN IEC 61158-6-23:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-23:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-26:2019

Industrial communication networks - Fieldbus specifications - Part 6-26: Application layer protocol specification - Type 26 elements

Keel: en
Alusdokumendid: IEC 61158-6-26:2019; EN IEC 61158-6-26:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-26:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-4:2019

Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-6-4:2019; EN IEC 61158-6-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-4:2023
Standardi staatus: Kehtetu

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN 60335-2-40:2003/A13:2012

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A13:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Parandatud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A13:2012/AC:2013
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A13:2012/AC:2013

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A13:2012/AC:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

35 INFOTEHNOLOOGIA

CLC/TR 62685:2011

Industrial communication networks - Profiles - Assessment guideline for safety devices using IEC 61784-3 functional safety communication profiles (FSCPs)

Keel: en
Alusdokumendid: IEC/TR 62685:2010; CLC/TR 62685:201
Standardi staatus: Kehtetu

EVS-EN 61158-6-24:2014

Industrial communication networks - Fieldbus specifications - Part 6-24: Application layer protocol specification - Type-24 Elements

Keel: en
Alusdokumendid: EN 61158-6-24:2014; IEC 61158-6-24:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-24:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-4-4:2019

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

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

EVS-EN IEC 61158-6-10:2019

Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements

Keel: en
Alusdokumendid: IEC 61158-6-10:2019; EN IEC 61158-6-10:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-10:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-2:2019

Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements

Keel: en
Alusdokumendid: IEC 61158-6-2:2019; EN IEC 61158-6-2:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-2:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-23:2019

Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification - Type 23 elements

Keel: en
Alusdokumendid: IEC 61158-6-23:2019; EN IEC 61158-6-23:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-23:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-26:2019

Industrial communication networks - Fieldbus specifications - Part 6-26: Application layer protocol specification - Type 26 elements

Keel: en
Alusdokumendid: IEC 61158-6-26:2019; EN IEC 61158-6-26:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-26:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61158-6-4:2019

Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification - Type 4 elements

Keel: en
Alusdokumendid: IEC 61158-6-4:2019; EN IEC 61158-6-4:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61158-6-4:2023
Standardi staatus: Kehtetu

EVS-EN IEC 61784-1:2019

Industrial communication networks - Profiles - Part 1: Fieldbus profiles

Keel: en
Alusdokumendid: IEC 61784-1:2019; EN IEC 61784-1:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-0:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-1:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-16:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-19:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-2:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-22:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-3:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-4:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-5:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-6:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-8:2023
Asendatud järgmise dokumendiga: EVS-EN IEC 61784-1-9:2023
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: prEVS-EN IEC 61784-2-8
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: Kehtiv

EVS-EN ISO 19157:2014

Geographic information - Data quality (ISO 19157:2013)

Keel: en
Alusdokumendid: ISO 19157:2013; EN ISO 19157:2013
Asendatud järgmise dokumendiga: EVS-EN ISO 19157-1:2023
Muudetud järgmise dokumendiga: EVS-EN ISO 19157:2014/A1:2018
Standardi staatus: Kehtetu

EVS-EN ISO 19157:2014/A1:2018

Geographic information - Data quality - Amendment 1: Describing data quality using coverages (ISO 19157:2013/Amd 1:2018)

Keel: en
Alusdokumendid: ISO 19157:2013/Amd 1:2018; EN ISO 19157:2013/A1:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 19157-1:2023
Standardi staatus: Kehtetu

43 MAANTEESÕIDUKITE EHITUS

EVS-EN 1501-4:2007

Prügikogumissõidukid ja nendega ühendatud tõstemehhanismid. Põhi- ja ohutusnõuded. Osa 4: Prügikogumissõidukite müra mõõtmise protokoll
Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 4: Noise test code for refuse collection vehicles

Keel: en
Alusdokumendid: EN 1501-4:2007
Asendatud järgmise dokumendiga: EVS-EN 1501-4:2023
Standardi staatus: Kehtetu

55 PAKENDAMINE JA KAUPADE JAOTUSSÜSTEEMID

EVS-EN 60335-2-75:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Keel: en
Alusdokumendid: IEC 60335-2-75:2004; EN 60335-2-75:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-75:2023
Muudetud järgmise dokumendiga: EVS-EN 60335-2-75:2004/A1:2005
Muudetud järgmise dokumendiga: EVS-EN 60335-2-75:2004/A11:2006
Muudetud järgmise dokumendiga: EVS-EN 60335-2-75:2004/A12:2010
Muudetud järgmise dokumendiga: EVS-EN 60335-2-75:2004/A2:2008
Standardi staatus: Kehtetu

EVS-EN 60335-2-75:2004/A1:2005

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Keel: en
Alusdokumendid: IEC 60335-2-75:2002/A1:2004; EN 60335-2-75:2004/A1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-75:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-75:2004/A11:2006

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Keel: en
Alusdokumendid: EN 60335-2-75:2004/A11:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-75:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-75:2004/A12:2010

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Keel: en
Alusdokumendid: EN 60335-2-75:2004/A12:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-75:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-75:2004/A2:2008

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-75: Erinõuded kaubanduslikele jaotusseadmetele ja müügiautomaatidele
Household and similar electrical appliances - Safety -- Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

Keel: en
Alusdokumendid: IEC 60335-2-75:2002/A2:2008; EN 60335-2-75:2004/A2:2008
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-75:2023
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 8586:2014

Sensory analysis - General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO 8586:2012)

Keel: en
Alusdokumendid: ISO 8586:2012; EN ISO 8586:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 8586:2023
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 351-1:2007

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 1: Kaitsevahendi läbitavuse ja sissejäävuse liigitus
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

Keel: en, et
Alusdokumendid: EN 351-1:2007
Asendatud järgmise dokumendiga: EVS-EN 351-1:2023
Standardi staatus: Kehtetu

EVS-EN 351-2:2007

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 2: Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks
Durability of wood and wood-based products - Preservativetreated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

Keel: en
Alusdokumendid: EN 351-2:2007
Asendatud järgmise dokumendiga: EVS-EN 351-2:2023
Standardi staatus: Kehtetu

EVS-EN ISO 13132:2011
Laboratory glassware - Petri dishes (ISO 13132:2011)

Keel: en
Alusdokumendid: ISO 13132:2011; EN ISO 13132:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 13132:2023
Standardi staatus: Kehtetu

EVS-ISO 4805:2007
Laboratoorsed klaasnõud. Termo-alkoholomeetrid ja alkoholi-termoareomeetrid
Laboratory glassware - Thermo-alcoholometers and alcohol-thermohydrometers

Keel: en, et
Alusdokumendid: ISO 4805:1982
Standardi staatus: Kehtetu

77 METALLURGIA

CEN/TR 10261:2018
Iron and steel - European standards for the determination of chemical composition

Keel: en
Alusdokumendid: CEN/TR 10261:2018
Asendatud järgmise dokumendiga: CEN/TR 10261:2023
Standardi staatus: Kehtetu

EVS-EN 10359:2015
Laser welded tailored blanks - Technical delivery conditions

Keel: en
Alusdokumendid: EN 10359:2015
Asendatud järgmise dokumendiga: EVS-EN 10359:2023
Standardi staatus: Kehtetu

EVS-EN ISO 4491-2:2000
Metallic powders - Determination of oxygen content by reduction methods - Part 2: Loss of mass on hydrogen reduction (hydrogen loss)

Keel: en
Alusdokumendid: ISO 4491-2:1997; EN ISO 4491-2:1999
Asendatud järgmise dokumendiga: EVS-EN ISO 4491-2:2023
Standardi staatus: Kehtetu

79 PUIDUTEHNOLOOGIA

EVS-EN 351-1:2007
Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 1: Kaitsevahendi läbitavuse ja sissejäävuse liigitus
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

Keel: en, et
Alusdokumendid: EN 351-1:2007
Asendatud järgmise dokumendiga: EVS-EN 351-1:2023
Standardi staatus: Kehtetu

EVS-EN 351-2:2007
Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 2: Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks
Durability of wood and wood-based products - Preservativetreated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

Keel: en
Alusdokumendid: EN 351-2:2007
Asendatud järgmise dokumendiga: EVS-EN 351-2:2023
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN 302-8:2017
Adhesives for load-bearing timber structures - Test methods - Part 8: Static load test of multiple bond line specimens in compression shear

Keel: en
Alusdokumendid: EN 302-8:2017
Asendatud järgmise dokumendiga: EVS-EN 302-8:2023
Standardi staatus: Kehtetu

EVS-EN 549:2019
Kummimaterjalid gaasiseadmete tihenditele ja membraanidele
Rubber materials for seals and diaphragms for gas appliances and gas equipment

Keel: en
Alusdokumendid: EN 549:2019
Asendatud järgmise dokumendiga: EVS-EN 549:2019+A1:2023
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12091:2013
Thermal insulating products for building applications - Determination of freeze-thaw resistance

Keel: en
Alusdokumendid: EN 12091:2013
Standardi staatus: Kehtetu

EVS-EN 1602:2013
Thermal insulating products for building applications - Determination of the apparent density

Keel: en
Alusdokumendid: EN 1602:2013
Standardi staatus: Kehtetu

EVS-EN 1606:2013
Thermal insulating products for building applications - Determination of compressive creep

Keel: en
Alusdokumendid: EN 1606:2013
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A13:2012
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A13:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Parandatud järgmise dokumendiga: EVS-EN 60335-2-40:2003/A13:2012/AC:2013
Standardi staatus: Kehtetu

EVS-EN 60335-2-40:2003/A13:2012/AC:2013
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-40: Erinõuded elektrilistele soojuspumpadele, kliimaseadmetele ja õhukuivatitele
Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Keel: en
Alusdokumendid: EN 60335-2-40:2003/A13:2012/AC:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-40:2023
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

CEN/TR 13387-5:2018
Child care articles - General safety guidelines - Part 5: Product information

Keel: en
Alusdokumendid: CEN/TR 13387-5:2018
Asendatud järgmise dokumendiga: CEN/TR 13387-5:2023
Standardi staatus: Kehtetu

CEN/TS 16611:2016
Furniture - Assessment of the surface resistance to microscratching

Keel: en
Alusdokumendid: CEN/TS 16611:2016
Asendatud järgmise dokumendiga: EVS-EN 16611:2023
Standardi staatus: Kehtetu

EVS-EN 13721:2004
Mööbel. Pinna peegeldusvõime määramine
Furniture - Measurement of the surface reflectance

Keel: en
Alusdokumendid: EN 13721:2004
Asendatud järgmise dokumendiga: EVS-EN 13721:2023
Standardi staatus: Kehtetu

EVS-EN 30-1-2:2012
Kodused gaaskuumutusega toiduvalmistusseadmed. Osa 1-2: Ohutus. Võimendatud konvektsiooniga ahjud ja/või grillid
Domestic cooking appliances burning gas - Safety - Part 1-2: Appliances having forced-convection ovens and/or grills

Keel: en
Alusdokumendid: EN 30-1-2:2012
Asendatud järgmise dokumendiga: EVS-EN 30-1-2:2023
Standardi staatus: Kehtetu

EVS-EN 564:2014
Mägironimisvarustus. Abiköis. Ohutusnõuded ja katsemeetodid
Mountaineering equipment - Accessory cord - Safety requirements and test methods

Keel: en
Alusdokumendid: EN 564:2014
Asendatud järgmise dokumendiga: EVS-EN 564:2023
Standardi staatus: Kehtetu

EVS-EN 60335-2-34:2013
Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-34: Erinõuded mootorkompressoritele
Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors (IEC 60335-2-34:2012)

Keel: en
Alusdokumendid: IEC 60335-2-34:2012; EN 60335-2-34:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-34:2023
Standardi staatus: Kehtetu

EVS-EN 60350-1:2016
Kodumajapidamises kasutatavad elektrilised toiduvalmistusseadmed. Osa 1: Pliidid, ahjud, auruahjud ja grillid. Toimivuse mõõtemeetodid
Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance

Keel: en
Alusdokumendid: EN 60350-1:2016; IEC 60350-1:2016
Asendatud järgmise dokumendiga: EVS-EN IEC 60350-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60350-1:2016+A1:2021
Muudetud järgmise dokumendiga: EVS-EN 60350-1:2016/A1:2021
Standardi staatus: Kehtetu

EVS-EN 60350-1:2016/A1:2021

Kodumajapidamises kasutatavad elektrilised toiduvalmistusseadmed. Osa 1: Pliidid, ahjud, auruahjud ja grillid. Toimivuse mõõtemeetodid
Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance

Keel: en
Alusdokumendid: IEC 60350-1:2016/A1:2021; EN 60350-1:2016/A1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60350-1:2023
Konsolideeritud järgmise dokumendiga: EVS-EN 60350-1:2016+A1:2021
Standardi staatus: Kehtetu

EVS-EN 60350-1:2016+A1:2021

Kodumajapidamises kasutatavad elektrilised toiduvalmistusseadmed. Osa 1: Pliidid, ahjud, auruahjud ja grillid. Toimivuse mõõtemeetodid
Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills - Methods for measuring performance (IEC 60350-1:2016 , modified + IEC 60350-1:2016/A1:2021)

Keel: en
Alusdokumendid: EN 60350-1:2016; IEC 60350-1:2016; EN 60350-1:2016/A1:2021; IEC 60350-1:2016/A1:2021
Asendatud järgmise dokumendiga: EVS-EN IEC 60350-1:2023
Standardi staatus: Kehtetu

EVS-EN 892:2012+A2:2021

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

Keel: en
Alusdokumendid: EN 892:2012+A2:2021
Asendatud järgmise dokumendiga: EVS-EN 892:2012+A3:2023
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 ISO 19659-1
Railway applications - Heating, ventilation and air conditioning systems for rolling stock - Part 1: Terms and definitions (ISO 19659-1:2017)

This document is applicable to rail vehicles and specifies the terms, definitions, symbols and abbreviated terms to be used in the ISO 19659 series, heating, ventilation and air conditioning for rolling stock.

Keel: en
Alusdokumendid: ISO 19659-1:2017; prEN ISO 19659-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 29464
Cleaning of air and other gases - Terminology (ISO/DIS 29464:2023)

ISO 29464:2017 establishes a terminology for the air filtration industry and comprises terms and definitions only. ISO 29464:2017 is applicable to particulate and gas phase air filters and air cleaners used for the general ventilation of inhabited enclosed spaces. It is also applicable to air inlet filters for static or seaborne rotary machines and UV-C germicidal devices. It is not applicable to cabin filters for road vehicles or air inlet filters for mobile internal combustion engines for which separate arrangements exist. Dust separators for the purpose of air pollution control are also excluded.

Keel: en
Alusdokumendid: ISO/DIS 29464; prEN ISO 29464
Asendab dokumenti: EVS-EN ISO 29464:2019

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/IEC 2382-37
Information technology - Vocabulary - Part 37: Biometrics (ISO/IEC 2382-37:2022)

This document establishes a systematic description of the concepts in the field of biometrics pertaining to recognition of human beings and reconciles variant terms in use in pre-existing biometric standards against the preferred terms, thereby clarifying the use of terms in this field. Excluded from the scope of this document are concepts (represented by terms) from information technology, pattern recognition, biology, mathematics, etc. Biometrics uses such fields of knowledge as a basis. In principle, mode specific terms are outside the scope of this document. Words in bold are defined in this document. Words that are not in bold are to be understood in their natural language sense. The authority for natural language use of terms in this document is the Concise Oxford English Dictionary (COD), Thumb Index Edition (tenth edition, revised, 2002). Words used in their natural language sense are considered out-of-scope for further definition in this document.

Keel: en
Alusdokumendid: ISO/IEC 2382-37:2022; prEN ISO/IEC 2382-37
Asendab dokumenti: EVS-EN 17054:2019

Arvamusküsitluse lõppkuupäev: 13.07.2023

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

prEN 17975

Maintenance - Energies and fluids risks control process for maintenance tasks - Guidance

This document provides users with guidance that help prevent risks related to energies during maintenance activities on plants when in use. It is up to each employer, according to the terms commonly used in the company, to: - Set out the correlation between the processes described in this document and standard practices; - Define the roles and responsibilities of the people involved in the energy lockout process. This document refers to concepts, definitions, rules, recommendations and best practices taken from national and international documents (lockout/tagout - "administrative lockout" - Lockout/Tagout (LOTO) - Safe isolation) that cover activities to ensure the safety of worker as regards energies. This document deals with the prevention of energies and fluids (powders, gases, liquids) related risks; it is noted that some are covered by specific regulations or standards, such as the electrical risk. Environmental issues related to energies and fluids are not in the scope of this document. The recommendations stated in this document have been drawn up with a view to ensure the safety and health of workers around hazardous energies and fluids, and situations when they are conducting activities on maintenance, settings, changing formats, regardless of the type of activity. The recommendations relate to activities carried out on items. They are applied before, during and after the operation to: - The energies supplied, contained, transported or released by plants, products and fluids; - Risks of lack of presence of vital elements for the worker (breathable air); - Risks related to the presence of hazardous fluids for the worker and the surrounding personal. This document is a methodological guideline within the normative maintenance corpus.

Keel: en
Alusdokumendid: prEN 17975

Arvamusküsitluse lõppkuupäev: 13.07.2023

07 LOODUS- JA RAKENDUSTEADUSED

prEN ISO 16140-7

Microbiology of the food chain - Method validation - Part 7: Protocol for the validation of identification methods of microorganisms (ISO/DIS 16140-7:2023)

This document specifies the general principle and the technical protocol for the validation of identification methods of microorganisms for microbiology in the food chain. As there is no reference method, this document provides a protocol to evaluate the performance characteristics and validate the method workflow using well-defined strains. When required, an additional identification method can be used. This document is applicable to the validation of identification methods of microorganisms that are used for the analysis of microorganisms in: — products intended for human consumption; — products intended for animal feeding; — environmental samples in the area of food and feed production, handling; — samples from the primary production stage. Validated identification methods cannot be used instead of confirmation described in: — the reference method; — an alternative method validated in accordance with ISO 16140-2; — an alternative method validated in accordance with ISO 16140-6. In these instances, the identification method shall be validated in accordance with the ISO 16140-6 to be used as a confirmation method. This document is, in particular, applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms, to be determined on a case-by-case basis.

Keel: en
Alusdokumendid: ISO/DIS 16140-7; prEN ISO 16140-7

Arvamusküsitluse lõppkuupäev: 13.07.2023

11 TERVISEHOOLDUS

prEN 13060

Sterilizers for medical purposes - Small steam sterilizers - Requirements and testing

This document specifies the performance requirements and test methods for small steam sterilizers and sterilization cycles which are used for medical purposes or for materials that are likely to come into contact with blood or body fluids. This document applies to automatically controlled small steam sterilizers that generate steam using electrical heaters or use steam that is generated by a system external to the sterilizer. This document applies to small steam sterilizers used primarily for the sterilization of medical devices with a chamber volume of less than 60 l and unable to accommodate a sterilization module (300 mm × 300 mm × 600 mm). The requirements concerning the quality management and risk management are addressed by other standards (e.g. EN ISO 13485, EN ISO 14971). This document does not apply to small steam sterilizers that are used to sterilize liquids or pharmaceutical products. This document does not specify safety requirements related to risks associated with the zone in which the sterilizer is used (e.g. flammable gases). This document does not specify requirements for the validation and routine control of sterilization by moist heat. NOTE Requirements for the validation and routine control of sterilization by moist heat are given in EN ISO 17665. This document does not specify requirements for other sterilization processes that also employ moist heat as part of the process (i.e. formaldehyde, ethylene oxide).

Keel: en
Alusdokumendid: prEN 13060
Asendab dokumenti: EVS-EN 13060:2015+A1:2018

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 15883-2

Washer-disinfectors - Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for critical and semi-critical medical devices (ISO/DIS 15883-2:2023)

ISO 15883-2:2006 specifies particular requirements for washer disinfectors (WD) that are intended for use for the cleaning and thermal disinfection, in a single operating cycle, of re-usable medical devices such as surgical instruments, anaesthetic equipment, bowls, dishes and receivers, utensils and glassware. The requirements in ISO 15883-2:2006 apply in addition to the general requirements specified in ISO 15883-1. The specified performance requirements of ISO 15883-2:2006 may not ensure the inactivation or removal of the causative agent(s) (prion protein) of transmissible spongiform encephalopathies.

Keel: en
Alusdokumendid: ISO/DIS 15883-2; prEN ISO 15883-2
Asendab dokumenti: EVS-EN ISO 15883-2:2009

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 15883-3

Washer-disinfectors - Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers (ISO/DIS 15883-3:2023)

ISO 15883-3:2006 specifies particular requirements for washer-disinfectors (WD) that are intended to be used for emptying, flushing, cleaning and thermal disinfection of containers used to hold human waste for disposal by one operating cycle. ISO 15883-3:2006 is to be applied in conjunction with ISO 15883-1.

Keel: en
Alusdokumendid: ISO/DIS 15883-3; prEN ISO 15883-3
Asendab dokumenti: EVS-EN ISO 15883-3:2009

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 16021

Urine-absorbing products - Basic principles for evaluation of single-use adult-incontinence products from the perspective of users and caregivers (ISO/DIS 16021:2023)

This document provides guidelines for designing and conducting an evaluation of single-use adult incontinence absorbing products. It provides guidance on creating data collection tools. In particular, it provides a framework for eliciting and recording the views of users and their carers on the acceptability of products. In addition, a product diary is described which can help to quantify some parameters of product use, such as wear times, the mass of urine absorbed by the product and the severity of any leakage from it. This document does not cover direct comparison between products based on statistical parameters, neither does it provide guidance on measuring the clinical efficacy of products: that is available in ISO 14155 Clinical investigation of medical devices for human subjects – Good clinical practice.

Keel: en
Alusdokumendid: ISO/DIS 16021; prEN ISO 16021
Asendab dokumenti: EVS-EN ISO 16021:2003

Arvamusküsitluse lõppkuupäev: 13.07.2023

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN 13819-1:2020/prA1

Hearing protectors - Testing - Part 1: Physical test methods

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

Keel: en
Alusdokumendid: EN 13819-1:2020/prA1
Muudab dokumenti: EVS-EN 13819-1:2020

Arvamusküsitluse lõppkuupäev: 13.07.2023

EN 352-2:2020/prA1

Hearing protectors - General requirements - Part 2: Earplugs

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

Keel: en
Alusdokumendid: EN 352-2:2020/prA1
Muudab dokumenti: EVS-EN 352-2:2020

Arvamusküsitluse lõppkuupäev: 13.07.2023

EN IEC 62061:2021/prA1:2023

Amendment 1 - Safety of machinery - Functional safety of safety-related control systems

Amendment to EN IEC 62061:2021

Keel: en
Alusdokumendid: 44/995/CDV; EN IEC 62061:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 62061:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

EVS 933:2022/prA1

Juhised kantavate tulekustutite kontrolliks ja hooldueks ning nõuded hoolduspunktidele Inspection and maintenance instructions for portable fire extinguishers and requirements for service points

Standardi EVS 933:2022 muudatus.

Keel: et
Muudab dokumenti: EVS 933:2022

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 1366-8

Fire resistance tests for service installations - Part 8: Smoke extraction ducts

This document specifies a test method for determining the fire resistance of smoke extraction ducts. It is applicable only to smoke extraction ducts that pass through another fire compartment from the fire compartment to be extracted in case of fire. It represents fire exposure of a fully developed fire. This method of test is only applicable to fire resistant ventilation ducts (same construction) with the following classification according to EN 13501-3: - fire from inside and outside i ↔ o; - applicable to a pressure difference up to 500 Pa; NOTE 1 It is assumed that the duct A test(s) in accordance with EN 1366-1 has been performed with an under-pressure of minimum 500 Pa. - with integrity (E) and insulation (I) criteria equal to or higher than the intended classification for the smoke extraction duct. For the purposes of the test described in this document, the duct is referred to as duct C. This test method has been designed to cover both vertical and horizontal smoke extraction ducts. A vertical system need not be evaluated to this method provided that: - both horizontal (ho) and vertical (ve) classification according to EN 13501-3 has been obtained for the ventilation duct, and - it has been tested in a horizontal orientation to this method. If the ventilation duct in practice is only used for vertical applications in smoke extraction systems, only vertical (ve) classification is bound to be used and tested in a vertical orientation to this method according to EN 13501-3. This test method is suitable for ducts constructed from non-combustible materials (Euroclass A1 and A2 according to EN 13501-1). NOTE 2 Reaction with components of the duct can reduce the oxygen concentration and lead to misinterpretation of the calculated leakage rate. This standard applies to four sided ducts only (with fire exposure on all four sides). Ducts that utilize elements of construction for one, two or three sides are not covered. An alternative test method for one, two and three sided ducts will be developed separately.

Keel: en
Alusdokumendid: prEN 1366-8
Asendab dokumenti: EVS-EN 1366-8:2004

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 1366-9

Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts

This part of EN 1366 specifies a test method for determining the fire resistance of smoke extraction ducts that are used for single compartment applications only. In such applications, the smoke extraction system is only intended to function up to flashover (typically 600 °C). This method of test is only suitable for ducts constructed from non-combustible materials (euro class A1 and A2-s1, d0). It is applicable only to four sided and circular ducts. One-, two- and three-sided ducts are not covered. This standard is applicable only for the standard sizes or smaller as described. This test method of part 9 is applicable only to smoke extraction ducts that do not pass into other fire compartments. For smoke extraction ducts that pass into other compartments, the method of test described in EN 1366-8 is used. The smoke extraction duct is part of the smoke extraction system which also includes smoke control dampers and smoke extract fans.

Keel: en
Alusdokumendid: prEN 1366-9
Asendab dokumenti: EVS-EN 1366-9:2008

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 14944-2

Influence of cementitious products on water intended for human consumption — Test methods — Part 2: Influence of migration from siteapplied cementitious products and associated noncementitious products on the organoleptic parameters.

This standard describes a test method for laboratory evaluation of possible
adverse effects of siteapplied cementitious products on drinking water quality with respect to organoleptic parameters

Keel: en
Alusdokumendid: prEN 14944-2

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 14944-4

Influence of cementitious products on water intended for human consumption — Test methods — Part 4: Migration of substances from site applied cementititous materials and Associated noncementitious products/materials

This standard describes a test method for laboratory evaluation of possible
adverse effects of siteapplied cementitious products on drinking water quality by migration of substances.

Keel: en
Alusdokumendid: prEN 14944-4

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 16976

Ambient air - Determination of the particle number concentration of atmospheric aerosol

This European Standard specifies a standard method for determining the particle number concentration in ambient air in a range up to about 107 cm–3 for averaging times equal to or larger than 1 min. The standard method is based on a Condensation Particle Counter (CPC) operated in the counting mode and an appropriate dilution system for concentrations exceeding the counting mode range. It also defines the performance characteristics and the minimum requirements of the instruments to be used. The lower and upper sizes considered within this document are 10 nm and a few micrometres, respectively. This document describes sampling, operation, data processing and QA/QC procedures including calibration parameters.

Keel: en
Alusdokumendid: prEN 16976
Asendab dokumenti: CEN/TS 16976:2016

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17966

Fire protection equipment - Carbon dioxide extinguishing systems for use on premises - Design and installation (ISO 6183:2022, modified)

This document specifies requirements and gives recommendations for the design, installation, testing, maintenance and safety of fixed carbon dioxide firefighting systems in buildings, plants or other structures. It is not applicable to extinguishing systems on ships, in aircraft, on vehicles or on mobile fire appliances, or to below ground systems in the mining industry; nor does it apply to carbon dioxide pre-inerting systems. Design of systems where unclosable opening(s) exceed a specified area and where the opening(s) can be subject to the effect of wind is not specified, although general guidance on the procedure to be followed in such cases is given (see 7.4.3.2).

Keel: en
Alusdokumendid: ISO 6183:2022; prEN 17966

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17971

In-situ generating and dosing devices of biocides for drinking and swimming pool water treatment - Ozone

The European standards on “In-situ generation and dosing devices of biocides for water treatment” will specify product characteristics and operational schemes. Assessment methods and test specifications for the devices will be described. Furthermore risk notes and mitigation measures will be covered by the standards. Scope of application of the devices will not be limited to the treatment of drinking water and/or swimming pool water. Scope of application will be treatment of water, covering different kind of water qualities and treatment for different uses of water (drinking, swimming, cooling, etc.).

Keel: en
Alusdokumendid: prEN 17971

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17975

Maintenance - Energies and fluids risks control process for maintenance tasks - Guidance

This document provides users with guidance that help prevent risks related to energies during maintenance activities on plants when in use. It is up to each employer, according to the terms commonly used in the company, to: - Set out the correlation between the processes described in this document and standard practices; - Define the roles and responsibilities of the people involved in the energy lockout process. This document refers to concepts, definitions, rules, recommendations and best practices taken from national and international documents (lockout/tagout - "administrative lockout" - Lockout/Tagout (LOTO) - Safe isolation) that cover activities to ensure the safety of worker as regards energies. This document deals with the prevention of energies and fluids (powders, gases, liquids) related risks; it is noted that some are covered by specific regulations or standards, such as the electrical risk. Environmental issues related to energies and fluids are not in the scope of this document. The recommendations stated in this document have been drawn up with a view to ensure the safety and health of workers around hazardous energies and fluids, and situations when they are conducting activities on maintenance, settings, changing formats, regardless of the type of activity. The recommendations relate to activities carried out on items. They are applied before, during and after the operation to: - The energies supplied, contained, transported or released by plants, products and fluids; - Risks of lack of presence of vital elements

for the worker (breathable air); - Risks related to the presence of hazardous fluids for the worker and the surrounding personal. This document is a methodological guideline within the normative maintenance corpus.

Keel: en
Alusdokumendid: prEN 17975

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 15027-1

Immersion suits - Part 1: Constant wear suits, requirements including safety (ISO/DIS 15027-1:2023)

This document specifies performance and safety requirements for constant wear immersion suits and suit systems for professional and leisure activities to protect the user against the effects of cold water immersion, such as reducing cold shock and delaying the onset of hypothermia. It is applicable for dry and wet constant wear immersion suits and suit systems. Abandonment suits are not covered by this document. Requirements for abandonment suits are given in ISO 15027-2:202x. Test methods for immersion suits are given in ISO 15027-3:202x.

Keel: en
Alusdokumendid: ISO/DIS 15027-1; prEN ISO 15027-1
Asendab dokumenti: EVS-EN ISO 15027-1:2012

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 15027-2

Immersion suits - Part 2: Abandonment suits, requirements including safety (ISO/DIS 15027-2:2023)

This document specifies performance and safety requirements for abandonment suits and suit systems in emergency situations professional and leisure activities to protect the user against the effects of cold water immersion, such as reducing cold shock and delaying the onset of hypothermia.,. It is applicable for dry and wet abandonment suits. Constant wear suits are not covered by this document. The requirements of constant wear suits are given in ISO 15027-1:20xx. Test methods are given in ISO 15027-3:20xx.

Keel: en
Alusdokumendid: ISO/DIS 15027-2; prEN ISO 15027-2
Asendab dokumenti: EVS-EN ISO 15027-2:2012

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 15027-3

Immersion suits - Part 3: Test methods (ISO/DIS 15027-3:2023)

This part of ISO 15027 specifies the test methods for constant wear suits and abandonment suits. Requirements for constant wear suits are given in ISO 15027-1:20xx and requirements for abandonment suits are given in ISO 15027-2:20xx.

Keel: en
Alusdokumendid: ISO/DIS 15027-3; prEN ISO 15027-3
Asendab dokumenti: EVS-EN ISO 15027-3:2012

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 23196

Water quality - Calculation of biological equivalence (BEQ) concentrations (ISO 23196:2022)

This document specifies the derivation of biological equivalence (BEQ) concentrations for results of in vitro bioassays which are based on measuring effects on a biological process such as enzyme induction or cellular growth. The concept described here can be used for any biological assay after the proof of its applicability. To derive BEQ concentrations, the effect on a biological process caused by a sample – i.e. the activity of the sample – is expressed in terms of a concentration of a reference compound which results in an equivalent effect on the process. The term "sample" used in this document addresses environmental samples as well as defined mixtures and pure compounds used as test item in a bioassay. BEQ concentrations can be derived for environmental water samples, extracts of environmental water samples including tap water or solutions of pure chemicals or mixtures of chemicals.

Keel: en
Alusdokumendid: ISO 23196:2022; prEN ISO 23196

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 27548

Additive manufacturing of plastics - Environment, health, and safety - Test method for determination of particle and chemical emission rates from desktop material extrusion 3D printer (ISO/DIS 27548:2023)

This document specifies test methods to determine particle emissions (including ultrafine particles) and specified VOCs (including aldehydes) from Material Extrusion(ME) processes often used in non-industrial environments such as school, homes and office spaces in an Emission Test Chamber (ETC) under specified test conditions. However, these tests may not accurately predict real-world results. This document describes a conditioning method using an ETC with controlled temperature, humidity, air exchange rate, air velocity, and procedures for monitoring, storage, analysis, calculation, and reporting of emission rates. This document is

intended to cover a Fused Filament Fabrication (FFF) type desktop 3D printer using thermoplastic materials. The primary purpose of this document is to quantify particle and chemical emission rates emitted from a specific ME type desktop 3D printer which is operated using thermoplastic feedstocks. However, not all possible emissions are covered by this method. Many feedstocks could release hazardous emissions that are not measured by the chemical detectors prescribed in this document. It is the responsibility of the user to understand the material being printed and the potential chemical emissions. An example is PVC feedstocks that could potentially emit chlorinated compounds, which would not be measured by this document.

Keel: en
Alusdokumendid: ISO/DIS 27548; prEN ISO 27548

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/ASTM 52938-1

Additive manufacturing of metals - Environment, health and safety - Part 1: Safety requirements for PBF-LB machines (ISO/ASTM DIS 52938-1:2023)

This document deals with the technical requirements and the means for their verification for AM machines using a bed of metallic powder and a laser herein designed as machine. This document deals with all significant hazards, hazardous situations or hazardous events during all phases of the life of the machine (ISO 12100:2010, 5.4), as listed in Annex A, relevant to the applicable machine when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document does not deal with hazards which can occur: — during construction; — operating in potentially explosive atmospheres. This document is not applicable to machines manufactured before the date of its publication

Keel: en
Alusdokumendid: ISO/ASTM DIS 52938-1; prEN ISO/ASTM 52938-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 63412-1:2023

Ultrasonics - Shear-wave elastography - Part 1: Specifications for the user interface

This International Standard is applicable to medical-diagnostic, ultrasonic shear-wave elastography systems, exciting (internally or externally) shear waves and tracking their propagation within biological tissue. This International Standard establishes: • In part 1, a list of quantities and parameters, which must be provided to the user, many in the image headers. Note 1: The first edition of the standard focuses on liver applications of shear-wave elastography, but does not exclude its application to other organs (e.g. breast, thyroid, prostate, kidney, muscle).

Keel: en
Alusdokumendid: 87/830/CDV; prEN IEC 63412-1:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

19 KATSETAMINE

prEN IEC 60068-2-86:2023

Environmental Testing - Part 2-86: Tests-Test Fx: Multi-Exciter and Multi-Axis Shock and Vibration Testing and Guidance

This document provides a test procedure for use with multi-exciter and multi-axis vibration test systems. The vibration test is intended for general application to components, equipment, and other products, hereinafter referred to as “specimens”, that may be subjected to dynamic environments that could arise during an equipment life cycle. Although this document is mainly intended for vibration testing the procedure can also be applied to certain types of shock and transient tests. The test procedure set out in this document is applicable where a specimen is required to demonstrate its adequacy to resist specified vibration, shock and transient conditions, without unacceptable degradation of functional or structural performance. The test procedure has significant similarity to test procedures of other IEC 60068-2 documents and encompasses the same range of vibration and shock excitation types. This document is applicable to specimens which may be subjected to vibration, shock and transient conditions resulting from transportation and/or operational environments, for example in aircraft, space vehicles and land vehicles. It is primarily intended for unpackaged specimens. It is applicable to specimens in their transportation container when the latter may be considered as part of the specimen itself. The test method and associated techniques addressed within this document are primarily intended for use with multiple electrodynamic or servo-hydraulic vibration generators along with an associated computer-based digital control system to control of the specimen excitations. This document encompasses two testing approaches, commonly referred to as Multi-Exciter Single-Axis (MESA), and Multi-Exciter Multi-Axis (MEMA). These are: a) Utilising fixed base shakers either in a single axis or a selected combination of fixed X, Y, Z configurations, also allowing for rotations dependent upon fixture coupling design. b) Utilising multiple shakers attached directly to the specimen via flexible couplings or similar methods. Here the shakers can be attached at any point and in any direction on the specimen. This approach is quite similar to that used for modal testing but using environmental test severities.

Keel: en
Alusdokumendid: 104/980/CDV; prEN IEC 60068-2-86:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EN ISO 18119:2018/prA2

Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 2 (ISO 18119:2018/DAM 2:2023)

Amendment to EN ISO 18119:2018

Keel: en
Alusdokumendid: ISO 18119:2018/DAmd 2; EN ISO 18119:2018/prA2
Muudab dokumenti: EVS-EN ISO 18119:2018
Muudab dokumenti: EVS-EN ISO 18119:2018+A1:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 63360:2023

Fluids for electrotechnical application: Mixtures of gases alternative to SF6

This document specifies the quality of gases alternative to SF6 for use in electrical power equipment. Detection techniques, covering in-situ portable instrumentation, applicable to the analysis of gases alternative to SF6 prior to the introduction of these gases into the electrical power equipment, are also described in this document. Information about gases alternative to SF6 by-products and the procedure for evaluating the potential effects of gases alternative to SF6 and its by-products on human health are covered by IEC 63359 and IEC 62271-4, their handling and disposal being carried out according to international, national and local regulations with regard to the impact on the environment and the safety of operators. It is the responsibility of the gas manufacturer to provide sufficient information for safe handling of gases alternative to SF6 and a risk assessment, in accordance with international, national, and local regulations. For gases alternative to SF6 not mentioned in this document the electrical power equipment manufacturer and/or gas manufacturer shall provide the information indicated in this document. It is the intention of this document to include such gases alternative to SF6 in a next edition or in amendments to this edition. This document provides information to prepare risk assessment associated with the use of gases alternative to SF6. It is the responsibility of the user of this document to establish appropriate health and safety practices and determine the applicability of regulatory limitations prior to use. NOTE 1 Throughout this document, the term “pressure” stands for “absolute pressure”. NOTE 2 If not otherwise specified in this document, concentration values (e.g. %, ppmv, µl/l) of gas components or contaminants are given in volume fraction at 20 °C and 100 kPa. More information on temperature and pressure dependance of mole fraction and volume fraction is given in Annex C. NOTE 3 If gases alternative to SF6 for electrical power equipment are regulated, their designation and regulation origin might be found in the IEC 62474 database [1] (available at https://std.iec.ch/iec62474). NOTE 4 Handling of gases alternative to SF6 is covered by IEC 62271-4: 2022. NOTE 5 Additional information is needed from gas manufacturer and/or electrical power equipment manufacturer to perform a full risk assessment.

Keel: en
Alusdokumendid: 10/1197/CDV; prEN IEC 63360:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 18623-1

Air compressors and compressed air systems - Part 1: Air compressor safety requirements (ISO/DIS 18623-1:2023)

This part 1 of ISO 18623 is applicable to compressors and compressor units having an operating pressure greater than 0,5 bar and designed to compress air, nitrogen or inert gases. This standard deals with all significant hazards, hazardous situations and events relevant to the design, installation, operation, maintenance, dismantling and disposal of compressors and compressor units, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see Clause 4). This part of ISO 18623 includes under the general term compressor units those machines which comprise: - the compressor; - a drive system; - any component or device which is necessary for operation. This part covers compressors driven by any power media, including battery powered and which are fitted in or used with motor vehicles. The significant hazards dealt with in the standard are identified in Annex A. It does not cover requirements for compressors and compressor units used in potentially explosive atmospheres. It is not applicable to compressors and compressor units which are manufactured before the date of publication of this standard. It does not cover compressors and compressor units for processing petroleum, petrochemicals, or chemicals within the scope of ISO/TC 67.

Keel: en
Alusdokumendid: ISO/DIS 18623-1; prEN ISO 18623-1
Asendab dokumenti: EVS-EN 1012-1:2010

Arvamusküsitluse lõppkuupäev: 13.07.2023

25 TOOTMISTEHNOLOOGIA

EN IEC 61784-3:2021/prA1:2023

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions - Amendment 1

Amendment to EN IEC 61784-3:2021

Keel: en
Alusdokumendid: 65C/1252/CDV; EN IEC 61784-3:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 61784-3:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

EN IEC 62061:2021/prA1:2023

Amendment 1 - Safety of machinery - Functional safety of safety-related control systems

Amendment to EN IEC 62061:2021

Keel: en
Alusdokumendid: 44/995/CDV; EN IEC 62061:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 62061:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 60676:2023

Industrial electroheating equipment - Test methods for direct arc furnaces

Replacement: This document specifies the basic test procedures, conditions and methods for establishing the main performance parameters and the main operational characteristics of furnaces for direct arc heating, forming arcs between the electrode and metal such as the electric arc furnace using alternating current (EAF AC) or direct current (EAF DC), and ladle furnace (LF). Measurements and tests that are solely used for the verification of safety requirements of equipment for direct electrical arc furnaces are outside the scope of this document and are covered by IEC 60519-1, IEC 60519-4 and ISO 13578. This document is applicable for the commissioning, verification of design improvements or for energy related tasks with respect to energy use or energy efficiency, establishing of an energy baseline, and labelling. Some concepts from this document can directly be used as key performance indicators. Detailed tests for specific types of electric arc furnace equipment and installations are beyond the scope of this document. This document is intended as general reference for all future test standards applicable to particular electric arc furnace equipment or installations. This document includes the concept and material presented in IEC 60398 on energy efficiency dealing with the electrical and processing parts of the equipment, as well as the overall performance. Test methods for some special equipment, e.g., controlled rectifiers, are covered by IEC 60146-1-1 and furnace transformers are covered by IEC 60076 series. Test methods for submerged arc furnaces (SAF) are covered by IEC 60683.

Keel: en
Alusdokumendid: 27/1163/CDV; prEN IEC 60676:2023
Asendab dokumenti: EVS-EN 60676:2012

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 61131-3:2023

Programmable controllers - Part 3: Programming languages

This part of IEC 61131 specifies the syntax and semantics of programming languages for programmable controllers as defined in Part 1 of IEC 61131. This part of IEC 61131 specifies the syntax and semantics of a unified suite of programming languages for programmable controllers (PCs). This suite consists of the textual language Structured Text (ST), and the graphical languages, Ladder Diagram (LD) and Function Block 288 Diagram (FBD). An additional set of graphical and equivalent textual elements named Sequential Function Chart (SFC) is defined for structuring the internal organization of programs and function blocks. Also, configuration elements are defined which support the installation of programmable controller programs into programmable controller systems. In addition, features are defined which facilitate communication among programmable controllers and other components of automated systems.

Keel: en
Alusdokumendid: 65B/1229/CDV; prEN IEC 61131-3:2023
Asendab dokumenti: EVS-EN 61131-3:2013

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 27548

Additive manufacturing of plastics - Environment, health, and safety - Test method for determination of particle and chemical emission rates from desktop material extrusion 3D printer (ISO/DIS 27548:2023)

This document specifies test methods to determine particle emissions (including ultrafine particles) and specified VOCs (including aldehydes) from Material Extrusion(ME) processes often used in non-industrial environments such as school, homes and office spaces in an Emission Test Chamber (ETC) under specified test conditions. However, these tests may not accurately predict real-world results. This document describes a conditioning method using an ETC with controlled temperature, humidity, air exchange rate, air velocity, and procedures for monitoring, storage, analysis, calculation, and reporting of emission rates. This document is intended to cover a Fused Filament Fabrication (FFF) type desktop 3D printer using thermoplastic materials. The primary purpose of this document is to quantify particle and chemical emission rates emitted from a specific ME type desktop 3D printer which is operated using thermoplastic feedstocks. However, not all possible emissions are covered by this method. Many feedstocks could release hazardous emissions that are not measured by the chemical detectors prescribed in this document. It is the responsibility of the user to understand the material being printed and the potential chemical emissions. An example is PVC feedstocks that could potentially emit chlorinated compounds, which would not be measured by this document.

Keel: en
Alusdokumendid: ISO/DIS 27548; prEN ISO 27548

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/ASTM 52938-1

Additive manufacturing of metals - Environment, health and safety - Part 1: Safety requirements for PBF-LB machines (ISO/ASTM DIS 52938-1:2023)

This document deals with the technical requirements and the means for their verification for AM machines using a bed of metallic powder and a laser herein designed as machine. This document deals with all significant hazards, hazardous situations or hazardous events during all phases of the life of the machine (ISO 12100:2010, 5.4), as listed in Annex A, relevant to the applicable machine when it is used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document does not deal with hazards which can occur: — during construction; — operating in potentially explosive atmospheres. This document is not applicable to machines manufactured before the date of its publication

Keel: en
Alusdokumendid: ISO/ASTM DIS 52938-1; prEN ISO/ASTM 52938-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/ASTM 52953

Additive Manufacturing for metals - General Principles - Registration of geometric data acquired from process-monitoring and for quality control (ISO/ASTM DIS 52953:2023)

This document sets and defines the minimum requirements for registration of geometric data acquired from process-monitoring and for quality control in Additive Manufacturing (AM), including the description of a procedure. Furthermore, this document comprises actions that users need to register multi-modal AM data and store them in an appropriate repository. This document is not applicable for the following types of data: data cleansing, image processing, cost, production time and personnel. This document in only applicable for geometric data gathered and generated from non-destructive test methods and sensors by using X-ray Computer Tomography (XCT), cameras and Coordinate Measuring Machines (CMM). This document is only applicable to metals produced through means of Laser-based powder bed fusion (PBF-LB) and Direct Energy Deposition (DED). Note: The procedure can be applied to monitor other AM processes and materials (e.g. polymer or ceramic power bed fusion, binder jetting, and photopolymerization), but this document does not provide any data or case studies for them.

Keel: en
Alusdokumendid: ISO/ASTM DIS 52953; prEN ISO/ASTM 52953

Arvamusküsitluse lõppkuupäev: 13.07.2023

27 ELEKTRI- JA SOOJUSENERGEETIKA

prEN IEC 63461:2023

Pelton hydraulic turbines - Model acceptance tests

This document applies to laboratory models of any type of Pelton hydraulic turbine. This document applies to models of prototype machines either with unit power greater than 5 MW . Full application of the procedures herein prescribed is not generally justified for machines with smaller power and size. Nevertheless, this document may be used for such machines by agreement between the purchaser and the supplier. This document excludes all matters of purely commercial interest, except those inextricably bound up with the conduct of the tests. This document is concerned with neither the structural details of the machines nor the mechanical properties of their components, so long as these do not affect model performance or the relationship between model and prototype performances. This document covers the arrangements for model acceptance tests to be performed on Pelton turbines to determine if the main hydraulic performance contract guarantees (see 8.2) have been satisfied. It contains the rules governing test conduct and prescribes measures to be taken if any phase of the tests is disputed.

Keel: en
Alusdokumendid: 4/460/CDV; prEN IEC 63461:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 6806

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO/DIS 6806:2023)

ISO 6806:2017 specifies the minimum requirements for rubber hoses and hose assemblies for use in oil burners. The following two types of hose assembly are specified. - Type 1: Hose assemblies for flux and reflux, but not for insertion between the oil burner pump and the atomizing connection; maximum working pressure 1,0 MPa (10 bar); maximum oil temperature 100 °C. - Type 2: Hose assemblies for insertion between the oil burner pump and the atomizing connection; maximum working pressure 4,0 MPa (40 bar); maximum oil temperature 100 °C. The hose assemblies specified in this document are not intended to be used, without special assessment, for purposes other than oil burner installations.

Keel: en
Alusdokumendid: ISO/DIS 6806; prEN ISO 6806
Asendab dokumenti: EVS-EN ISO 6806:2017

Arvamusküsitluse lõppkuupäev: 13.07.2023

29 ELEKTROTEHNIKA

EN IEC 62061:2021/prA1:2023

Amendment 1 - Safety of machinery - Functional safety of safety-related control systems

Amendment to EN IEC 62061:2021

Keel: en
Alusdokumendid: 44/995/CDV; EN IEC 62061:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 62061:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 60034-12:2023

Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors

This part of IEC 60034 specifies the parameters for eight designs of starting performance of single-speed three-phase 50 Hz or 60 Hz cage induction motors in accordance with IEC 60034-1 that: – have a rated voltage up to 1 000 V; – are intended for direct-on-line or star-delta starting; – are rated on the basis of duty type S1; – are constructed to any degree of protection as defined in IEC 60034-5 and explosion protection. This document also applies to dual voltage motors provided that the flux saturation level is the same for both voltages. The values of torque, apparent power and current given in this document are limiting values (that is, minimum or maximum without tolerance). NOTE 1 It is not expected that all manufacturers will produce machines for all eight designs. The selection of any specific design in accordance with this document will be a matter of agreement between the manufacturer and the purchaser. NOTE 2 Designs other than the eight specified may be necessary for particular applications. NOTE 3 It should be noted that values given in manufacturers' catalogues may include tolerances in accordance with IEC 60034-1. NOTE 4 The values tabled for locked rotor apparent power are based on r.m.s. symmetrical steady state locked rotor currents. The start of the motor leads to transient asymmetrical currents in the whole supply, so called inrush currents, which may range from 1,8 to 2,8 times the steady state locked rotor value. The current peak and decay time are a function of the motor design and switching angle. Similar effects can occur during the switchover from star to delta operation. A more detailed description is provided in Annex A. NOTE 5 The application of the test methods described in clause 12 of this standard may be applied to cage induction motors outside the scope of this standard, as well. However, special care must be taken in such cases to prevent overheating of the stator or the rotor winding depending on the concrete method and parameters chosen.

Keel: en
Alusdokumendid: 2/2132/CDV; prEN IEC 60034-12:2023
Asendab dokumenti: EVS-EN 60034-12:2017

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 60061-PR2023-1:2023

Lamp caps and holders together with gauges for the control of interchangeability and safety - Gauges for holders GJ6.6 in 7005-188

Gauges for holders GJ6.6 in 7005-188

Keel: en
Alusdokumendid: 34B/2170/CDV; prEN IEC 60061-PR2023-1:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 61857-33:2023

Electrical insulation systems - Procedures for thermal evaluation - Part 33: Multifactor evaluation with increased ageing factors at elevated temperature

This part of IEC 61857 series is applicable to the evaluation of an EIS for applications where the stresses of the application are a combination of the multifactor ageing stresses identified in IEC 60505. The increased stress factors are expected to occur during operation at elevated temperatures. This document establishes the procedure to evaluate the influence of stresses on the performance established following the thermal classification of the EIS. The thermal classification is established in Step 1 where the only ageing stress is thermal. The candidate EIS is first evaluated based on thermal stress only. This evaluation is defined as the baseline of the candidate EIS. In Step 2, the evaluation of the additional stresses applied at elevated temperatures provides the measurement needed to establish the influence of the additional stress factors on the thermal performance of the baseline EIS established in Step 1. This document is about thermal endurance testing with one or more stresses added during the thermal ageing process. It provides guidance regarding interpretation of the test results. For performance requirements of any product designed and constructed using the EIS established in accordance with this document refer to the appropriate IEC Technical Committee applicable to the application. This document is applicable to a range of established EIS test standards. IEC TR 61857-2 provides a list of many established EIS test standards which cover low-voltage [up to 1kV a.c.] and high-voltage [above 1kV a.c.]. The use of 1kV as the transition voltage point between low-voltage and high-voltage can be found in standards such as IEC TC 17 High-voltage switchgear and control gear.

Keel: en
Alusdokumendid: prEN IEC 61857-33:2023; 112/605/CDV

Arvamusküsitluse lõppkuupäev: 13.06.2023

prEN IEC 63403-1:2023

LED packages for horticultural lighting - Part 1: Specification sheet

This document specifies the requirements for specification sheets relating to LED packages designed for horticultural lighting purposes. LED packages designed for horticultural lighting purposes in this document can be designed for emission of white light or emission of light at specified wavelengths. LED packages for horticultural lighting purposes are usually designed into LED modules or luminaires. This document does not contain compliance criteria, which can be affected by module or luminaire design, and are assumed to be plant species and growth stage dependent.

Keel: en
Alusdokumendid: 34/1031/CDV; prEN IEC 63403-1:2023

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 63403-2:2023

LED packages for horticultural lighting - Part 2: Binning

This document specifies the binning method for LED packages for horticultural lighting.

Keel: en
Alusdokumendid: prEN IEC 63403-2:2023; 34/1032/CDV

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 29461-3

Air filter intake systems for rotary machinery - Test methods - Part 3: Mechanical integrity of filter elements (ISO/DIS 29461-3:2023)

8. Scope The ISO 29461 series specifies methods and procedures to determine the performance of particulate air filters used in air intake filter systems for rotary machinery such as gas turbines, compressors and other internal combustion engines. The ISO 29461-3 of the standard specifies a method and procedure to test the mechanical integrity (“Burst Test”) of individual filter elements up to an abnormal final test pressure drop of maximum 6250 Pa. Any other customer defined final pressure drop up to a maximum of 8000 Pa shall be reported as variation from the standard. It is within the liability of the user to define the maximum possible value (lower or higher) for a certain application and to define the burst strength requirements for this test procedure. As the pressure drops under typical operating conditions are on a much lower level, it is not intended to specify a final pressure drop for any application within this procedure. This procedure is intended for all types of filter elements (e.g. V-bank cassette filters or filter cartridges) used in the final stage(s) of an Air Intake Filter Systems for Rotary Machinery in various environmental conditions, as e.g. in marine applications. These filters are operating at flow rates within the range of 0,25 m³/s (900 m³/h) up to 2,23 m³/s (8000 m³/h), no matter if it is used in a static or pulse cleaned air intake system.

Keel: en
Alusdokumendid: ISO/DIS 29461-3; prEN ISO 29461-3

Arvamusküsitluse lõppkuupäev: 13.07.2023

31 ELEKTROONIKA

EN 60143-1:2015/prA1:2023

Series capacitors for power systems - Part 1: General - Amendment 1

Amendment to EN 60143-1:2015

Keel: en
Alusdokumendid: 33/690/CDV; EN 60143-1:2015/prA1:2023
Muudab dokumenti: EVS-EN 60143-1:2015

Arvamusküsitluse lõppkuupäev: 13.07.2023

35 INFOTEHNOLOOGIA

EN IEC 61784-3:2021/prA1:2023

Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses - General rules and profile definitions - Amendment 1

Amendment to EN IEC 61784-3:2021

Keel: en
Alusdokumendid: 65C/1252/CDV; EN IEC 61784-3:2021/prA1:2023
Muudab dokumenti: EVS-EN IEC 61784-3:2021

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17632-2

EN 17632-2 Building Information Modelling (BIM) - Semantic Modelling and Linking (SML), Part 2: Domain-specific modelling patterns

This document, EN 17632-2, provides semantic modelling patterns for (at least) the following asset aspects: • Support for distinction between spatial regions and real (“tangible”) objects; the latter being discrete or continuous (“bulk matter”); • Support

for the materialization of physical objects, adding generic chemistry aspects directly relevant for the built environment dealing with concrete, steel and asphalt; • Support for the interaction between objects including connections, interfaces and ports (parts of objects where such interaction can take place). Interaction being defined as activities where material, information, energy/forces are transferred; • Support for the definition of requirements, unstructured and structured, coming from client needs, laws and regulations or sector recommendations; • Support for implicit groups having no explicit members (to model situations like “all main girders of some steel bridge”); • Support for the explicit modelling of measurements reusing the existing W3C Semantic Sensor Network (SSN)/Sensor, Observation, Sample, and Actuator (SOSA) ontology, incl. extended QUDT support. • Support for geospatial geometry (GeoSPARQL/wgs84) These patterns are currently inspired by NEN 2660-2 (that is itself finalized and tested in practice in parallel). These modelling patterns can all be positioned in the global modelling framework already provided in the form of the top level taxonomy by Part 1. Some of the information needs might be resolved by extending existing language level constructs. Finally there is a lot of ‘pattern potential’ under ‘Discrete Object’ and ‘Spatial Region’ in the built environment (road network, tunnel, bridge, road, building, installations). Care will be taken not to cross existing standards boundaries (like for open BIM and GIS).

Keel: en
Alusdokumendid: prEN 17632-2

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 61131-3:2023

Programmable controllers - Part 3: Programming languages

This part of IEC 61131 specifies the syntax and semantics of programming languages for programmable controllers as defined in Part 1 of IEC 61131. This part of IEC 61131 specifies the syntax and semantics of a unified suite of programming languages for programmable controllers (PCs). This suite consists of the textual language Structured Text (ST), and the graphical languages, Ladder Diagram (LD) and Function Block 288 Diagram (FBD). An additional set of graphical and equivalent textual elements named Sequential Function Chart (SFC) is defined for structuring the internal organization of programs and function blocks. Also, configuration elements are defined which support the installation of programmable controller programs into programmable controller systems. In addition, features are defined which facilitate communication among programmable controllers and other components of automated systems.

Keel: en
Alusdokumendid: 65B/1229/CDV; prEN IEC 61131-3:2023
Asendab dokumenti: EVS-EN 61131-3:2013

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/IEC 2382-37

Information technology - Vocabulary - Part 37: Biometrics (ISO/IEC 2382-37:2022)

This document establishes a systematic description of the concepts in the field of biometrics pertaining to recognition of human beings and reconciles variant terms in use in pre-existing biometric standards against the preferred terms, thereby clarifying the use of terms in this field. Excluded from the scope of this document are concepts (represented by terms) from information technology, pattern recognition, biology, mathematics, etc. Biometrics uses such fields of knowledge as a basis. In principle, mode specific terms are outside the scope of this document. Words in bold are defined in this document. Words that are not in bold are to be understood in their natural language sense. The authority for natural language use of terms in this document is the Concise Oxford English Dictionary (COD), Thumb Index Edition (tenth edition, revised, 2002). Words used in their natural language sense are considered out-of-scope for further definition in this document.

Keel: en
Alusdokumendid: ISO/IEC 2382-37:2022; prEN ISO/IEC 2382-37
Asendab dokumenti: EVS-EN 17054:2019

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO/IEEE 11073-10419

Health informatics - Personal health device communication - Part 10419: Device specialization - Insulin pump (ISO/IEEE 11073-10419:2019)

This standard establishes a normative definition of communication between personal telehealth insulin pump devices (agents) and managers (e.g., cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages work done in other ISO/IEEE 11073 standards including existing terminology, information profiles, application profile standards, and transport standards. It specifies the use of specific term codes, formats, and behaviors in telehealth environments, restricting optionality in base frameworks in favor of interoperability. This standard defines a common core functionality of personal telehealth insulin pump devices. In the context of personal health devices (PHDs), an insulin pump is a medical device used for the administration of insulin in the treatment of diabetes mellitus, also known as continuous subcutaneous insulin infusion (CSII) therapy. This standard provides the data modeling according to ISO/IEEE 11073-20601 and does not specify the measurement method.

Keel: en
Alusdokumendid: ISO/IEEE 11073-10419:2019; prEN ISO/IEEE 11073-10419

Arvamusküsitluse lõppkuupäev: 13.07.2023

43 MAANTEESÕIDUKITE EHITUS

prEN 50436-7:2023

Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

This European Standard defines the content and the layout of an installation document providing necessary and useful information about the aftermarket installation of an alcohol interlock into a vehicle. It details the type of the vehicle, connection schematics, accessibility instructions and recommendations to avoid safety risks. The contents and layout ensure that the information document is easy to use for installers in different countries and may be available in paper or electronic format. This European Standard is applicable to alcohol interlocks according EN 50436 1 and EN 50436 2. This European Standard is mostly intended for vehicle manufacturers and manufacturers of alcohol interlocks.

Keel: en
Alusdokumendid: prEN 50436-7:2023
Asendab dokumenti: EVS-EN 50436-7:2016

Arvamusküsitluse lõppkuupäev: 13.07.2023

45 RAUDTEETEHNIKA

prEN 15839

Railway applications - Testing and simulation for the acceptance of running characteristics of railway vehicles - Running safety under longitudinal compressive forces

This document defines the assessment of endurable longitudinal compressive forces (LCF) of a vehicle. The endurable longitudinal compressive forces is a parameter depending on the vehicle design. It is used to estimate the risk of derailment as a result of being subjected to these forces, under operating conditions. NOTE 1 As operating conditions may vary in several aspects (infrastructure, train configurations etc.), this document defines uniform assessments of endurable longitudinal compressive force per vehicle in specific operating conditions. One of these endurable longitudinal compressive forces is derived from UIC 530-2, which is based on practical tests performed in ERRI-B12. Other endurable longitudinal compressive forces as the outcome of this document are central input parameters in the methodology of IRS 40421. IRS 40421 derives train and operational parameters from the outcome of EN 15839 which are vehicle parameters. This document applies to the following types of vehicles: — single wagons; — permanently coupled units with side buffers and screw couplers between the vehicles; — permanently coupled units with diagonal buffers with screw couplers between the vehicles; — permanently coupled units with a bar coupler between the vehicles; — articulated units with three 2-axle bogies; — wagons with 3-axle bogies; low-floor wagons with eight or more axles (e.g. rolling road wagon); — vehicles with central couplers; — on-track machines (OTM) as defined in EN 14033-1. NOTE 2 The document defines the acceptance process to be followed by vehicles that are operated in a way that high longitudinal compressive forces may occur in the trains due to their to their operational environment (e. g. train composition, braking regime, track layout). Therefore, vehicles among the previous list which are not subjected to high longitudinal compressive forces may not need to fulfil this document. The following vehicles are not in the scope of this document: — articulated wagons with more than three 2-axle bogies; — locomotives and passenger rolling stocks; — vehicles that are only operated in passenger trains. Acceptance criteria and test conditions as well as conditions for simulation and test dispensation are defined in this document. This document applies principally to vehicles which operate without restrictions on standard gauge tracks in Europe (1 435 mm). NOTE 3 The influence on railway systems using other gauges is not sufficiently understood to extend the scope of this document to gauges other than standard. NOTE 4 For wagons with central couplers, a need for assessment of derailment risk due to Longitudinal Forces on other gauges (1 524 mm, 1 600 mm, 1 668 mm) has been expressed. The influence on railway systems using other gauges is not sufficiently understood. This document only introduces some notions to assess it independently from the gauge.

Keel: en
Alusdokumendid: prEN 15839
Asendab dokumenti: EVS-EN 15839:2012+A1:2015

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 62290-1:2023

Railway applications - Urban guided transport management and command/control systems - Part 1: System principles and fundamental concepts

This document provides an introduction to the standard and deals with the main concepts, the system definition, the principles and the basic functions of UGTMS (Urban Guided Transport Management and Command/Control Systems) for use in urban guided passenger transport lines and networks. This standard is applicable for new lines or for upgrading existing signalling and command control systems. This document is applicable to applications using: • continuous data transmission, • continuous supervision of train movements by train protection profile, • localisation of trains by onboard UGTMS equipment (reporting trains), and optionally by external wayside (and optionally onboard) device.

Keel: en
Alusdokumendid: 9/2946/CDV; prEN IEC 62290-1:2023
Asendab dokumenti: EVS-EN 62290-1:2014

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 62290-2:2023

Railway applications - Urban guided transport management and command/control systems - Part 2: Functional requirements specification

This document specifies the functional requirements of UGTMS (Urban Guided Transport Management and Command/Control Systems) for use in urban guided passenger transport lines and networks. This standard is applicable for new lines or for upgrading existing signalling and command control systems. This document is applicable to applications using: • continuous data transmission • continuous supervision of train movements by train protection profile • localisation of trains by onboard UGTMS equipment (reporting trains), and optionally by external wayside (and optionally onboard) device. In this standard, the functional requirements set the framework to which detailed functions should be added to define any generic or specific application. Because of that, although this document is applicable as a basis to define SRS, FIS and FFFIS, elements may be added for a generic or specific application. Note: the functional breakdown in this document is consistent with Basic functions in Table 1 of Part 1. These Basic functions have been refined into a more complete and detailed tree, and the “Mandatory/Optional“ attributes of their subfunctions may be different with those given in Table 1. The functional breakdown which follows this clause is the reference one for IEC 62290 series.

Keel: en
Alusdokumendid: 9/2947/CDV; prEN IEC 62290-2:2023
Asendab dokumenti: EVS-EN 62290-2:2014

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN IEC 62290-3:2023

Railway applications - Urban guided transport management and command/control systems - Part 3: System requirements specification

This document specifies the system architecture for Urban Guided Transport Management and Command/Control systems (UGTMS) as defined in IEC 62290-1 and IEC 62290-2, and the allocation of functions and requirements defined in IEC 62290-2 to the different UGTMS subsystems (designated as system constituents in IEC 62290-1 and IEC 62290-2), for use in urban guided passenger transport lines and networks. This document is applicable for new lines or for upgrading existing signalling and command control systems. This document is applicable to applications using: • continuous data transmission • continuous supervision of train movements by train protection profile • localisation by onboard UGTMS equipment (reporting trains), and optionally by external wayside (and optionally onboard) device The functional allocations of the UGTMS subsystems are mandatory (forming a sort of core system) or optional, according to the mandatory/optional functions and requirements defined in IEC 62290-2. This document is applicable as a basis to define FIS and FFFIS. For specific applications, some elements may be added to meet the requirements coming from additional functions or equipment.

Keel: en
Alusdokumendid: 9/2948/CDV; prEN IEC 62290-3:2023
Asendab dokumenti: EVS-EN IEC 62290-3:2019
Asendab dokumenti: EVS-EN IEC 62290-3:2019/AC:2020

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 19659-1

Railway applications - Heating, ventilation and air conditioning systems for rolling stock - Part 1: Terms and definitions (ISO 19659-1:2017)

This document is applicable to rail vehicles and specifies the terms, definitions, symbols and abbreviated terms to be used in the ISO 19659 series, heating, ventilation and air conditioning for rolling stock.

Keel: en
Alusdokumendid: ISO 19659-1:2017; prEN ISO 19659-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

49 LENNUNDUS JA KOSMOSETEHNIKA

EN 2559:2022/prA1

Aerospace series - Carbon, glass and aramid fibre preimpregnates - Determination of the resin and fibre content and the mass of fibre per unit area

Amendment to EN 2559:2022

Keel: en
Alusdokumendid: EN 2559:2022/prA1
Muudab dokumenti: EVS-EN 2559:2022

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 3197

Aerospace series - Design and installation of aircraft electrical and optical interconnection systems

This document provides instructions on the methods to be used when designing, selecting, manufacturing, installing, repairing or modifying the aerospace vehicles electrical and optical interconnection networks, now called Electrical Wiring Interconnection System (EWIS), and Optical Fibre Interconnection Systems (OFIS), subject to the limitations defined in Clause 4 of this document.

Aerospace Vehicles include manned and unmanned aeroplanes, helicopters, lighter-than- air vehicles, missiles and external pods. The general content of this document is described in page 2. A detailed content of this document is given in Annex A. This document lists all the relevant European standards related to EWIS and OFIS in Annex B.

Keel: en
Alusdokumendid: prEN 3197
Asendab dokumenti: EVS-EN 3197:2010

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 3475-811

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 811: Unbalance attenuation

This document specifies methods for measuring unbalance attenuation signal in common mode converted into differential mode caused by the characteristics of symmetry of transmission cables. Terms relative to this attenuation are defined in Clause 3. It is intended to be used together with EN 3475-100 and EN 50289-1-9.

Keel: en
Alusdokumendid: prEN 3475-811
Asendab dokumenti: EVS-EN 3475-811:2009

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 3662-001

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 20 A to 50 A - Part 001: Technical specification

This document specifies the three-pole temperature compensated circuit breakers with signal contacts, polarized or not, rated from 20 A to 50 A and used in aircraft on-board circuits. It describes specific environmental, electrical and mechanical characteristics and the stringency of tests to be applied according to test methods of EN 3841-100. These circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282 (all categories).

Keel: en
Alusdokumendid: prEN 3662-001
Asendab dokumenti: EVS-EN 3662-001:2006

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 3773-001

Aerospace series - Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A - Part 001: Technical specification

This document specifies the single-pole temperature compensated circuit breakers rated from 1 A to 25 A and used in aircraft on-board circuits. It describes specific environmental, electrical and mechanical characteristics and the stringency of tests to be applied according to test methods of EN 3841-100. These circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282.

Keel: en
Alusdokumendid: prEN 3773-001
Asendab dokumenti: EVS-EN 3773-001:2014

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 3774-001

Aerospace series - Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A - Part 001: Technical specification

This document specifies the three-pole temperature compensated circuit breakers, rated from 1 A to 25 A used in aircraft on-board circuits. It describes specific environmental, electrical and mechanical characteristics and the stringency of tests to be applied according to test methods of EN 3841-100. These circuit breakers are intended for use in aircraft with electrical supplies in accordance with EN 2282.

Keel: en
Alusdokumendid: prEN 3774-001
Asendab dokumenti: EVS-EN 3774-001:2014

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 4165-001

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175°C continuous - Part 001: Technical specification

This document specifies the general characteristics, the conditions for qualification, acceptance and quality assurance, as well as the test programs and groups for rectangular connectors with one or multiple removable modules, intended for use in a temperature range from −55 °C to 175 °C continuous. This family of connectors is particularly suitable for aeronautic use in zones of severe environmental conditions on board aircraft, applying EN 2282. The maximum in-service temperature can be limited by maximum temperature of contacts.

Keel: en
Alusdokumendid: prEN 4165-001
Asendab dokumenti: EVS-EN 4165-001:2015
Asendab dokumenti: EVS-EN 4165-001:2015/AC:2017
Asendab dokumenti: EVS-EN 4165-001:2015/AC1:2016

Arvamusküsitluse lõppkuupäev: 13.07.2023

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 105-C12

Textiles - Tests for colour fastness - Part C12: Colour fastness to industrial laundering (ISO/DIS 105-C12:2023)

ISO 105-C12:2004 specifies methods for determining the resistance of the colour of textiles of all kinds exposed to all forms of industrial laundering procedures.

Keel: en
Alusdokumendid: ISO/DIS 105-C12; prEN ISO 105-C12
Asendab dokumenti: EVS-EN ISO 105-C12:2006

Arvamusküsitluse lõppkuupäev: 13.07.2023

65 PÕLLUMAJANDUS

prEN 17708

Plant biostimulants - Preparation of sample for microbial analysis

This document defines general rules for the aerobic preparation of the initial suspension and of dilutions for microbiological examinations of microbial plant biostimulants. This horizontal method might not be appropriate in very detail for certain products. In this case, different methods which are specific to these products can be used if necessary, for justified technical reasons.

Keel: en
Alusdokumendid: prEN 17708
Asendab dokumenti: CEN/TS 17708:2022

Arvamusküsitluse lõppkuupäev: 13.07.2023

67 TOIDUAINETE TEHNOLOOGIA

prEN 14944-2

Influence of cementitious products on water intended for human consumption — Test methods — Part 2: Influence of migration from siteapplied cementitious products and associated noncementitious products on the organoleptic parameters.

This standard describes a test method for laboratory evaluation of possible
adverse effects of siteapplied cementitious products on drinking water quality with respect to organoleptic parameters

Keel: en
Alusdokumendid: prEN 14944-2

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 14944-4

Influence of cementitious products on water intended for human consumption — Test methods — Part 4: Migration of substances from site applied cementititous materials and Associated noncementitious products/materials

This standard describes a test method for laboratory evaluation of possible
adverse effects of siteapplied cementitious products on drinking water quality by migration of substances.

Keel: en
Alusdokumendid: prEN 14944-4

Arvamusküsitluse lõppkuupäev: 13.07.2023

71 KEEMILINE TEHNOLOOGIA

prEN 12122

Chemicals used for treatment of water intended for human consumption - Ammonia solution

This European Standard is applicable to ammonia solution used for treatment of water intended for human consumption. It describes the characteristics and specifies the requirements of ammonia solution and refers to the corresponding analytical methods. It gives information for its use in water treatment. It also determines the rules relating to safe handling and use of ammonia solution (see Annex B).

Keel: en

Alusdokumendid: prEN 12122
Asendab dokumenti: EVS-EN 12122:2005

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 1657

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

This European Standard specifies a test method and the minimum requirements for fungicidal or yeasticidal activity of chemical disinfectant and antiseptic products that form a homogeneous, physically stable preparation when diluted with hard water or - in the case of ready-to-use-products - with water. Products can only be tested at a concentration of 80 % or less, as some dilution is always produced by adding the test organisms and interfering substance. This European Standard applies to products that are used in the veterinary area - i.e. in the breeding, husbandry, production, transport and disposal of all animals except when in the food chain following death and entry to the processing industry. EN 14885 specifies in detail the relationship of the various tests to one another and to "use recommendations". NOTE 1 The method described is intended to determine the activity of commercial formulations or active substances under the conditions in which they are used. NOTE 2 This method corresponds to a phase 2 step 1 test (Annex F).

Keel: en
Alusdokumendid: prEN 1657
Asendab dokumenti: EVS-EN 1657:2016

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17978

Products used for treatment of water intended for human consumption and swimming pool water - Glass beads and glass granulate

This document is applicable to glass beads and glass granulate intended for treatment of water for human consumption, swimming pool and/or spa water. It solely describes the characteristics of glass beads and glass granulate and specifies the requirements and the corresponding test methods for glass beads and glass granulate. General information on glass beads and glass granulate is provided in Annex A. General rules relating to safety are provided in Annex B.

Keel: en
Alusdokumendid: prEN 17978

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 50436-7:2023

Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

This European Standard defines the content and the layout of an installation document providing necessary and useful information about the aftermarket installation of an alcohol interlock into a vehicle. It details the type of the vehicle, connection schematics, accessibility instructions and recommendations to avoid safety risks. The contents and layout ensure that the information document is easy to use for installers in different countries and may be available in paper or electronic format. This European Standard is applicable to alcohol interlocks according EN 50436 1 and EN 50436 2. This European Standard is mostly intended for vehicle manufacturers and manufacturers of alcohol interlocks.

Keel: en
Alusdokumendid: prEN 50436-7:2023
Asendab dokumenti: EVS-EN 50436-7:2016

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 5771

Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification (ISO/DIS 5771:2023)

ISO 5771:2008 specifies the minimum requirements for rubber hoses used for transferring ammonia, in liquid or in gaseous form, at ambient temperatures from - 40 °C up to and including + 55 °C. It does not include specifications for end fittings, but is limited to the performance of the hoses and hose assemblies.

Keel: en
Alusdokumendid: ISO/DIS 5771; prEN ISO 5771
Asendab dokumenti: EVS-EN ISO 5771:2008

Arvamusküsitluse lõppkuupäev: 13.07.2023

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 13016-1

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

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

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

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17928-1

Gas infrastructure - Injection stations - Part 1: General requirements

This document establishes the functional requirements for stations for the injection of biomethane, substitute natural gas (SNG) and hydrogen fuel gas into gas transmission and distribution systems operated with fuel gases (natural gas, biomethane, SNG, hydrogen fuel gas, fuel gas mixtures) in accordance with European technical rules that ensure the interoperability of systems. Figure 1 describes the general approach including all the relevant functions that can be installed in different configurations. This document also applies to refeeding stations that feed such gases back into upstream gas supply networks; see Figure 2. This document represents the state of the art at the time of its preparation. This document does not apply to injection stations operating prior to the publication of this document. This document specifies common basic principles for gas infrastructure. Users of this document are expected to be aware that more detailed national standards and/or codes of practice can exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of terms of additional requirements in national legislation/regulation than in this document, CEN/TR 13737 (all parts) illustrates these terms. CEN/TR 13737 (all parts) gives: - legislation/regulations applicable in a member state; - if appropriate, more restrictive national requirements; - a national contact point for the latest information.

Keel: en
Alusdokumendid: prEN 17928-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17928-2

Gas infrastructure - Injection stations - Part 2: Specific requirements regarding the injection of biomethane

This document establishes specific functional requirements for injection stations for biomethane into gas transmission and distribution systems operated with gases of the second gas family in accordance with EN 437 in addition to the general functional requirements of prEN 17928-1. This document represents the recommendations at the time of its preparation. This document does not apply to injection stations operating prior to the publication of this document. This document complements prEN 17928-1 by specifying the technical safety requirements to be observed in respect of the chemical and physical properties of biomethane. This document specifies common basic principles for gas infrastructure. Users of this document are expected to be aware that more detailed national standards and/or codes of practice can exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of terms of additional requirements in national legislation/regulation than in this document, CEN/TR 13737 (all parts) illustrates these terms. CEN/TR 13737 (all parts) gives: - legislation/regulations applicable in a member state; - if appropriate, more restrictive national requirements; - a national contact point for the latest information.

Keel: en
Alusdokumendid: prEN 17928-2

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17928-3

Gas infrastructure - Injection stations - Part 3: Specific requirements regarding the injection of hydrogen fuel gas

This document establishes specific functional requirements of stations for the injection of hydrogen fuel gas into transmission and distribution systems for fuel gases (natural gas, biomethane, SNG, hydrogen fuel gas, fuel gas mixtures, etc.; see Figure 1) in accordance with European technical rules that ensure the interoperability of systems in addition to the general functional

requirements of prEN 17928-1. This document complements prEN 17928-1 by specifying the technical safety requirements to be observed with respect to the chemical and physical properties of hydrogen fuel gas. It furthermore complements the requirements on pipelines specified in EN 12007-3 and EN 1594 by describing the specific requirements with respect to hydrogen. Additionally, it explains how to handle hydrogen measurements during the course of injection. Requirements for the technical equipment for mixing hydrogen as an additive gas into the gas flow of the gas transmission and distribution system are not covered by this document. However, requirements for the resulting gas mixture are specified in 5.2, which specifies requirements for the operation of the injection station. This document represents the recommendations at the time of its preparation. This document does not apply to injection stations operating prior to the publication of this document. This document specifies common basic principles for gas infrastructure. Users of this document are expected to be aware that more detailed national standards and/or codes of practice can exist in the CEN member countries. This document is intended to be applied in association with these national standards and/or codes of practice setting out the above-mentioned basic principles. In the event of terms of additional requirements in national legislation/regulation than in this document, CEN/TR 13737 (all parts) illustrates these terms. CEN/TR 13737 (all parts) gives: - legislation/regulations applicable in a member state; - if appropriate, more restrictive national requirements; - a national contact point for the latest information.

Keel: en
Alusdokumendid: prEN 17928-3

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 21911-1

Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry (ISO 21911-1:2022)

This document specifies an analytical method for quantification of the spontaneous heat generation from solid recovered fuels using isothermal calorimetry. This document gives guidance on the applicability and use of the specified analytical method. It further establishes procedures for sampling and sample handling of solid recovered fuels prior to the analysis of spontaneous heat generation. The test procedure given in this document quantifies the thermal power (heat flow) of the sample during the test. It does not identify the source of self-heating in the test portion analysed.

Keel: en
Alusdokumendid: ISO 21911-1:2022; prEN ISO 21911-1

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 23581

Petroleum products and related products - Determination of kinematic viscosity - Method by Stabinger type viscometer (ISO/DIS 23581:2023)

This document specifies a procedure for the determination of kinematic viscosity (ν) by calculation from dynamic viscosity (η) and density (ρ) of both transparent and opaque liquid petroleum products and crude oils using the Stabinger type viscometer. The result obtained using the procedure described in this document depends on the rheological behaviour of the sample. This document is predominantly applicable to liquids whose shear stress and shear rate are proportional (Newtonian flow behaviour). If the viscosity changes significantly with the shear rate, comparison with other measuring methods is not possible except at similar shear rates. The precision has been determined only for the materials, density ranges and temperatures described in Clause 13. The test method may be applied to a wider range of viscosity, density, temperature and materials. The precision and bias may not be applicable for materials not listed in Clause 13.

Keel: en
Alusdokumendid: ISO/DIS 23581; prEN ISO 23581

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 4349

Solid recovered fuels - Determination of the Recycling Index for co-processing (ISO/DIS 4349:2023)

This document specifies a method for the determination of the share of material recovery in the case of co-incineration of SRF in a cement kiln. SRF contain inert mineral materials such as SiO2, CaO, etc, which are required for the production of cement clinker. When co-processed in the cement industry, the contained energy is recovered and the mineral part of SRF is incorporated into the clinker. On the basis of the ash content and the ash composition the Recycling-Index can be calculated.

Keel: en
Alusdokumendid: ISO/DIS 4349; prEN ISO 4349

Arvamusküsitluse lõppkuupäev: 13.07.2023

77 METALLURGIA

prEN 10370

Steel for the reinforcement of concrete - Stainless steel

This document specifies product characteristic test/assessment method and the way of expressing test results for stainless steel as defined in EN 10088-1:2014 and designated as in EN 10088-1:2014 for the use of the reinforcement of concrete. It applies to stainless steel products with ribbed or indented surfaces, which are in the form of: - bars and coils (rod, wire); - sheets of factory-made machine-welded fabric; - lattice girders and hybrid lattice girders composed by stainless steel and by weldable reinforcing steel according to prEN 10080:2023. Steels according to this document have a ribbed, indented or smooth surface. NOTE The protrusions between indentations of indented reinforcing steel have the same function as transverse ribs of ribbed reinforcing

steel. There is no definition, which specifies the difference between ribbed and indented surface geometry. Therefore, in this document, the same bond parameters are used for ribbed and indented steel. This document does not apply to: - pre-stressed stainless steels; - indented strip; - stainless steel tube filled with carbon steel swarf, which is then hot or cold reduced; - stainless steel smooth bar with weld material deposited on it; - galvanized reinforcing steel; - epoxy-coated reinforcing steel.

Keel: en
Alusdokumendid: prEN 10370

Arvamusküsitluse lõppkuupäev: 13.07.2023

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 21368

Adhesives - Guidelines for the fabrication of adhesively bonded structures and reporting procedures suitable for the risk evaluation of such structures (ISO 21368:2022)

This document provides guidelines describing the adhesive bonding quality requirements suitable for use by adhesive user-companies utilizing adhesive bonding as a means of fabrication. In particular, the guidelines define various approaches to meeting quality requirements for fabrication and reporting procedures, both in workshops and on site. These guidelines aim to convey the importance of maintaining quality standards in fabrication and reporting procedures, keeping records and thus enabling documentation to provide the basis for risk evaluation of adhesively bonded structures in service and in use. These guidelines have been prepared such that: a) they are independent of the type of adhesively bonded structure; b) they are independent of adhesive user-companies' and suppliers' product recommendations; c) they define the quality requirements for adhesive bonding in terms of fabrication and reporting procedures, both in workshops and on site; d) they can be used as the basis for risk evaluation of adhesively bonded structures in service and in use; e) they can be used as a basis for assessing a fabricator's capability to produce adhesively bonded structures fulfilling specified quality requirements when they are detailed in one or more of the following: — a contract between the parties involved; — an application standard; — a regulatory statement. The guidelines contained within this document can be adopted in full or selectively chosen by the adhesive user to suit the structure concerned. The guidelines provide a flexible framework for the control of adhesive bonding activities in the following cases. Case 1 The provision of specific requirements for adhesive bonding in contracts that require the adhesive user to have a quality system other than ISO 9001. Case 2 The provision of specific requirements for adhesive bonding as guidance to an adhesive user developing a quality system. Case 3 The provision of specific requirements for references in application standards that uses adhesive bonding as part of its requirements or in a contract between relevant parties. Case 4 The provision of a framework for fabrication and reporting procedures to a quality standard, suitable in particular as a basis for the risk evaluation of adhesively bonded structures

Keel: en
Alusdokumendid: ISO 21368:2022; prEN ISO 21368

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 5771

Rubber hoses and hose assemblies for transferring anhydrous ammonia - Specification (ISO/DIS 5771:2023)

ISO 5771:2008 specifies the minimum requirements for rubber hoses used for transferring ammonia, in liquid or in gaseous form, at ambient temperatures from - 40 °C up to and including + 55 °C. It does not include specifications for end fittings, but is limited to the performance of the hoses and hose assemblies.

Keel: en
Alusdokumendid: ISO/DIS 5771; prEN ISO 5771
Asendab dokumenti: EVS-EN ISO 5771:2008

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 6806

Rubber hoses and hose assemblies for use in oil burners - Specification (ISO/DIS 6806:2023)

ISO 6806:2017 specifies the minimum requirements for rubber hoses and hose assemblies for use in oil burners. The following two types of hose assembly are specified. - Type 1: Hose assemblies for flux and reflux, but not for insertion between the oil burner pump and the atomizing connection; maximum working pressure 1,0 MPa (10 bar); maximum oil temperature 100 °C. - Type 2: Hose assemblies for insertion between the oil burner pump and the atomizing connection; maximum working pressure 4,0 MPa (40 bar); maximum oil temperature 100 °C. The hose assemblies specified in this document are not intended to be used, without special assessment, for purposes other than oil burner installations.

Keel: en
Alusdokumendid: ISO/DIS 6806; prEN ISO 6806
Asendab dokumenti: EVS-EN ISO 6806:2017

Arvamusküsitluse lõppkuupäev: 13.07.2023

87 VÄRVIDE JA VÄRVAINETE TÖÖSTUS

prEN ISO 22553-15

Paints and varnishes - Electro-deposition coatings - Part 15: Permeate residues (ISO 22553-15:2022)

This document specifies a test method for the evaluation of protection against corrosion of edges and stamping burrs by electro-deposition coatings. It applies to electro-deposition coatings for automotive industries and other general industrial applications, e.g. chiller units, consumer products, radiators, aerospace, agriculture.

Keel: en
Alusdokumendid: ISO 22553-15:2022; prEN ISO 22553-15

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 22553-16

Paints and varnishes - Electro-deposition coatings - Part 16: Pigment-binder ratio (ISO 22553-16:2022)

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

Keel: en
Alusdokumendid: ISO 22553-16:2022; prEN ISO 22553-16

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 8130-16

Coating powders - Part 16: Determination of density by liquid displacement in a measuring cylinder (ISO 8130-16:2022)

This document specifies a method for determining the density of coating powders by liquid displacement in a measuring cylinder. The method is based on a determination of the mass and the volume of a test portion. It can be used for all types of coating powders. NOTE If the powder does not swell in contact with the displacement liquid used and if the displacement liquid replaces the air between the powder particles, it can then be used and compared with the method described in ISO 8130-3.

Keel: en
Alusdokumendid: ISO 8130-16:2022; prEN ISO 8130-16

Arvamusküsitluse lõppkuupäev: 13.07.2023

91 EHITUSMATERJALID JA EHITUS

prEN 1366-9

Fire resistance tests for service installations - Part 9: Single compartment smoke extraction ducts

This part of EN 1366 specifies a test method for determining the fire resistance of smoke extraction ducts that are used for single compartment applications only. In such applications, the smoke extraction system is only intended to function up to flashover (typically 600 °C). This method of test is only suitable for ducts constructed from non-combustible materials (euro class A1 and A2-s1, d0). It is applicable only to four sided and circular ducts. One-, two- and three-sided ducts are not covered. This standard is applicable only for the standard sizes or smaller as described. This test method of part 9 is applicable only to smoke extraction ducts that do not pass into other fire compartments. For smoke extraction ducts that pass into other compartments, the method of test described in EN 1366-8 is used. The smoke extraction duct is part of the smoke extraction system which also includes smoke control dampers and smoke extract fans.

Keel: en
Alusdokumendid: prEN 1366-9
Asendab dokumenti: EVS-EN 1366-9:2008

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 17632-2

EN 17632-2 Building Information Modelling (BIM) - Semantic Modelling and Linking (SML), Part 2: Domain-specific modelling patterns

This document, EN 17632-2, provides semantic modelling patterns for (at least) the following asset aspects: • Support for distinction between spatial regions and real (“tangible”) objects; the latter being discrete or continuous (“bulk matter”); • Support for the materialization of physical objects, adding generic chemistry aspects directly relevant for the built environment dealing with concrete, steel and asphalt; • Support for the interaction between objects including connections, interfaces and ports (parts of objects where such interaction can take place). Interaction being defined as activities where material, information, energy/forces are transferred; • Support for the definition of requirements, unstructured and structured, coming from client needs, laws and regulations or sector recommendations; • Support for implicit groups having no explicit members (to model situations like “all main girders of some steel bridge”); • Support for the explicit modelling of measurements reusing the existing W3C Semantic Sensor Network (SSN)/Sensor, Observation, Sample, and Actuator (SOSA) ontology, incl. extended QUDT support. • Support for geospatial geometry (GeoSPARQL/wgs84) These patterns are currently inspired by NEN 2660-2 (that is itself finalized and tested

in practice in parallel). These modelling patterns can all be positioned in the global modelling framework already provided in the form of the top level taxonomy by Part 1. Some of the information needs might be resolved by extending existing language level constructs. Finally there is a lot of 'pattern potential' under 'Discrete Object' and 'Spatial Region' in the built environment (road network, tunnel, bridge, road, building, installations). Care will be taken not to cross existing standards boundaries (like for open BIM and GIS).

Keel: en
Alusdokumendid: prEN 17632-2

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN ISO 29464

Cleaning of air and other gases - Terminology (ISO/DIS 29464:2023)

ISO 29464:2017 establishes a terminology for the air filtration industry and comprises terms and definitions only. ISO 29464:2017 is applicable to particulate and gas phase air filters and air cleaners used for the general ventilation of inhabited enclosed spaces. It is also applicable to air inlet filters for static or seaborne rotary machines and UV-C germicidal devices. It is not applicable to cabin filters for road vehicles or air inlet filters for mobile internal combustion engines for which separate arrangements exist. Dust separators for the purpose of air pollution control are also excluded.

Keel: en
Alusdokumendid: ISO/DIS 29464; prEN ISO 29464
Asendab dokumenti: EVS-EN ISO 29464:2019

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEVS 920-5

Katuseehitusreeglid. Osa 5: Lamekatused
Requirements for roof building - Part 5: Flat roofs

See standard määratleb nõuded lamekatuste konstruktsiooni- ja sõlmlahenduste ehitamiseks ning peamised nõuded lamekatustel kasutavatele materjalidele. Standard määrab nõuded toodetele ja paigalduslahendustele nende kasutamiseks tavalistes ekspluatatsioonitingimustes ettemääratud minimaalseks tööeaks. Lamekatuseks nimetatakse kokkuleppeliselt katuseid, mille kalle on 1:10 või sellest väiksem. Lamekatused on üldjuhul kaetud rullmaterjaliga või muu katkematu hüdroisolatsiooniga. Standard on mõeldud juhindumiseks lamekatuste paigaldajatele, üldehitajatele, materjalide tootjatele, projekteerijatele, arhitektidele, ehitusjärelevalvele, ekspertidele ja lõpptarbijatele. Katusehooldust käsitletakse standardis EVS 920-1.

Keel: et
Asendab dokumenti: EVS 920-5:2015
Asendab dokumenti: EVS 920-5:2015/AC:2015

Arvamusküsitluse lõppkuupäev: 13.06.2023

97 OLME. MEELELAHUTUS. SPORT

EN 13451-1:2020/prA1

Swimming pool equipment - Part 1: General safety requirements and test methods for equipment installed in pools for public use

This document specifies general safety requirements and test methods for equipment installed in swimming pools for public use as classified in EN 15288 1 and EN 15288 2. Where specific standards exist, this general standard is not expected to be used alone. Special care is expected to be taken in applying this general standard alone to equipment for which no product specific standard has yet been published.

Keel: en
Alusdokumendid: EN 13451-1:2020/prA1
Muudab dokumenti: EVS-EN 13451-1:2020

Arvamusküsitluse lõppkuupäev: 13.07.2023

EN 15288-1:2018/prA1

Swimming pools for public use - Part 1: Safety requirements for design

This document specifies safety requirements relevant to certain aspects of the design and construction of classified pools according to Clause 4. It is intended for those concerned with the design, construction, planning and operation of classified swimming pools. It provides guidance about the risks associated by identifying the design characteristics required for a safe environment. The requirements of this document are applicable to all new classified pools and, as appropriate, to specific refurbishments of classified existing pools. This document has limited application to classified pools which consist of segregated areas of rivers, lakes or the sea but this document should be followed where relevant. National and/or local legislation may apply. This document is not applicable to domestic swimming pools according to EN 16582 (all parts). Further definitions of domestic swimming pools and/or use is given in EN 16582.

Keel: en
Alusdokumendid: EN 15288-1:2018/prA1
Muudab dokumenti: EVS-EN 15288-1:2018

Arvamusküsitluse lõppkuupäev: 13.07.2023

prEN 1269

Textile floor coverings - Assessment of impregnations in needled floor coverings by means of a soiling test

This document specifies a method for the evaluation of impregnations or other treatments in needled floor coverings by means of a soiling test.

Keel: en
Alusdokumendid: prEN 1269
Asendab dokumenti: EVS-EN 1269:2019

Arvamusküsitluse lõppkuupäev: 13.07.2023

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 ISO 11197:2019

Meditsiinilised varustusmoodulid

Standardi IEC 60601-1:2005+A1:2012 jaotis 1.1 on asendatud alljärgnevaga: See dokument on kohaldatav meditsiiniliste varustusmoodulite (edaspidi ka kui EM-seadmete) esmasele ohutusele ja olulistele toimimisnäitajatele. See dokument on kohaldatav meditsiinilistele varustusmoodulitele, mis on toodetud tehases või kokku pandud kohapeal; kaasa arvatud korpused ja muud kestad, mis on seotud patsiendi raviteenuste osutamisega. MÄRKUS 1 Osalist, kes paneb kohapeal kokku erinevaid patsiendi raviteenuste osutamiseks mõeldud komponente ühe kesta alla, nimetatakse meditsiinilise varustusmooduli tootjaks. Selle dokumendi käsitlusalasse kuuluvate EM-seadmete või EM-süsteemide sihtfunktsioonist tulenevaid ohte ei ole selle standardi erinõuete hulgas, välja arvatud standardi IEC 60601-1:2005+A1:2012 jaotistes 7.2.13 ja 8.4.1 (vt 201.1.4) toodu. MÄRKUS 2 Vt standardi IEC 60601-1:2005+A1:2012 jaotis 4.2.

Keel: et
Alusdokumendid: ISO 11197:2019; EN ISO 11197:2019

Kommenteerimise lõppkuupäev: 13.06.2023

EVS-EN ISO 16032:2004

Akustika. Hoonete tehnoseadmete helirõhutaseme mõõtmine. Insenertehniline meetod

Dokumendis määratletakse meetodid hoone konstruktsioonidele paigaldatud tehnoseadmetest lähtuva helirõhutaseme mõõtmiseks. Täpsemalt hõlmab dokument sanitaarseadmete, mehaanilise ventilatsiooni, kütte- ja jahutusseadmete, liftide, prügišahtide, katelde, puhurite, pumpade ja muude abiseadmete ning mootoriga käitatavate garaažiuste mõõtmisi, kuid seda saab rakendada ka hoonetele või hoonetesse paigaldatud teiste seadmete suhtes. Meetodid sobivad ruumidele kubatuuriga ligi 300 m3 või vähem, nt eluhooned, hotellid, koolid, kontorid ja haiglad. Standard ei ole üldiselt nähtud ette suurte auditooriumide ja kontserdisaalide mõõtmiseks. Sellistel juhtudel võib siiski kasutada lisas B esitatud talitlustingimusi ja talitlustsükleid. Tehnoseadme helirõhutase määratakse maksimaalse A-kaalutud ja valikuliselt C-kaalutud helirõhutasemena, mis esineb katsealuse tehnoseadme kindlaksmääratud talitlustsükli jooksul, või samaväärse pideva helirõhutasemena, mis määratakse kindlaks määratletud integreerimisajaga. A-kaalutud ja C-kaalutud väärtused arvutatakse oktaaviriba mõõtmiste alusel.

Keel: et
Alusdokumendid: ISO 16032:2004; EN ISO 16032:2004

Kommenteerimise lõppkuupäev: 13.06.2023

EVS-EN ISO 80000-1:2022

Suurused ja ühikud. Osa 1: Üldine

Selles dokumendis esitatakse üldteavet ja määratlusi suuruste ja suuruste süsteemide, ühikute, suuruste ja ühikute tähiste ning koherentsete ühikusüsteemide, eelkõige rahvusvahelise suuruste süsteemi (ISQ) kohta. Käesolevas dokumendis esitatud põhimõtted on mõeldud üldkasutamiseks erinevates teaduse ja tehnoloogia valdkondades ning on sissejuhatuseks käesoleva rahvusvahelise standardi teistes osades. ISO/IEC 80000 sari ei hõlma veel ordinaalsuurusi ja nimitunnuseid.

Keel: et
Alusdokumendid: ISO 80000-1:2022; EN ISO 80000-1:2022

Kommenteerimise lõppkuupäev: 13.06.2023

prEN 12255-6

Reoveepuhastid. Osa 6: Aktiivmudaprotsessid

See Euroopa standard määratleb reoveepuhastuse toimivusnõuded puhastitele, milles on kasutusel aktiivmudaprotsessid, reostuskoormusega enam kui 50 ie. Teatmelisad A-W sisaldavad projekteerimisandmeid.

Keel: et
Alusdokumendid: prEN 12255-6

Kommenteerimise lõppkuupäev: 13.06.2023

prEVS-ISO 21503

Projekti-, programmi- ja portfellijuhtimine. Programmijuhtimise juhised

See dokument annab juhised programmijuhtimiseks. See dokument on rakendatav igat tüüpi, sealhulgas avaliku või erasektori, igasuguse suurusega või mis tahes sektorisse kuuluvates organisatsioonides, samuti igat tüüpi programmides sõltumata nende keerukusest. See dokument annab üldised kirjeldused asjakohastest terminitest, määratlustest, kontseptsioonidest, eeldustest ja menetlustest koos rollide ja vastutusega, mis moodustavad programmijuhtimise hea tava. See dokument ei anna juhiseid protsesside, meetodite ega vahendite kohta.

Keel: et
Alusdokumendid: ISO 21503:2022

Kommenteerimise lõppkuupäev: 13.06.2023

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 668:2018

Põlevkivi. Niiskuse määramine
Oil shale - Determination of moisture

Selles Eesti standardis kirjeldatakse põlevkivi üldniiskuse määramise kahe- ja üheastmelist meetodit, analüütilise niiskuse määramise meetodit ning ka proovide ettevalmistamise korda. Standard kehtib põlevkivi kohta sõltumata päritolumaardla asukohast. Standardi järgi määratakse niiskust nii kaubapõlevkivi proovis kui ka maavara ja tehnoloogilise uuringu otstarbeks võetud kihiproovides, puursüdamikus, rikastamise jäägis ning teistes põlevkivi proovides, mis on võetud ja ette valmistatud kehtiva standardiga vastavuses.

Kehtima jätmise alus: EVS/TK 57 otsus 22.03.2023 2-5/18 ja teade pikendamisküsitlusest 03.04.2023 EVS Teatajas

EVS 860-7:2018

Tehniliste paigaldiste termiline isoleerimine. Osa 7: Torustikud, mahutid ja seadmed. Katete ja tugikonstruktsioonide materjalid
Thermal insulation of technical equipment. Part 7: Insulation of pipes, vessels and equipment. Covering materials and support structure

See standard on osa standardisarjast „Tehniliste paigaldiste termiline isoleerimine“, mis on koostatud projekteerijatele, töövõtjatele ning isolatsioonitööde tellijatele. Selles standardis on toodud isolatsioonitöödel enim kasutatud katete ja tugikonstruktsioonide materjalid, nende tähistused ja tehnilised omadused.

Kehtima jätmise alus: EVS/TK 30 otsus 27.03.2023 2-5/19 ja teade pikendamisküsitlusest 03.04.2023 EVS Teatajas

TÜHISTAMISKÜSITLUS

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

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

EVS-EN 50491-4-1:2012

Üldnõuded kodu- ja hooneelektroonikasüsteemidele ja hoonete automaatika- ja juhtimissüsteemidele. Osa 4-1: Funktsionaalse ohutuse üldnõuded toodetele, mis on ette nähtud sisseehitamiseks hoonete elektroonikasüsteemidesse ja hoonete automaatika- ja juhtimissüsteemidesse

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 4-1: General functional safety requirements for products intended to be integrated in Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)

This European Standard sets the requirements for functional safety for HBES/BACS products and systems, a multi-application bus system where the functions are decentralised, distributed and linked through a common communication process. The requirements may also apply to the distributed functions of any equipment connected in a home or building control system if no specific functional safety standard exists for this equipment or system. The functional safety requirements of this European Standard apply together with the relevant product standard for the device if any. This European Standard is part of the EN 50491 series of standards. This European Standard does not provide functional safety requirements for safety-related systems.

Keel: en
Alusdokumendid: EN 50491-4-1:2012
Tühistamisküsitluse lõppkuupäev: 13.06.2023

EVS-EN 60424-4:2016

Ferrite cores - Guidelines on the limits of surface irregularities - Part 4: Ring-cores

IEC 60424-4:2015 gives guidance on allowable limits of surface irregularities applicable to ring-cores in accordance with the relevant generic specification defined in IEC 60424-1. This standard is considered as a sectional specification useful in the negotiations between ferrite core manufacturers and customers about surface irregularities. This edition includes the following significant technical changes with respect to the previous edition: - addition of crystallites in 3.1.3 and of pores in 3.1.4.

Keel: en
Alusdokumendid: IEC 60424-4:2015; EN 60424-4:2016
Tühistamisküsitluse lõppkuupäev: 13.06.2023

EVS-EN 60684-3-216:2005/A2:2014

Flexible insulating sleeving -- Part 3: Specifications for individual types of sleeving -- Sheet 216: Heat-shrinkable, flame-retarded, limited-fire hazard sleeving

Amendment to EN 60684-3-216:2005

Keel: en
Alusdokumendid: IEC 60684-3-216:2001/A2:2013; EN 60684-3-216:2005/A2:2014
Tühistamisküsitluse lõppkuupäev: 13.06.2023

EVS-EN 61400-21:2008

Elektrituulikud. Osa 21: Elektrivõrguga ühendatud elektrituulikute elektri kvaliteedi näitajate mõõtmine ja hindamine

Wind turbines - Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines

Standardi IEC 61400 käesolev osa sisaldab: •elektrivõrguga ühendatud elektrituuliku elektri kvaliteedi iseloomustamiseks tarvilike suuruste mõisteid ja määratlusi; •näitajate määratlemiseks tarvilikke mõõtmiste protseduure; •protseduure elektri kvaliteedi nõuete vastavuse hindamiseks, sealhulgas hinnangut konkreetsesse asukohta, võimalik et gruppidena paigaldatava elektrituuliku tüübi mõjust elektri kvaliteedile. Mõõtmiste protseduurid kehtivad kolmefaasilist võrguühendust omavale ühele elektrituulikule. Mõõtmiste protseduurid kehtivad mistahes võimsustega elektrituulikutele, ehkki standardi IEC 61400 käesolev osa nõuab ainult keskpinge ja kõrgepinge ühisliitumispunktidesse mõeldud elektrituulikute tüüpide katsetamist ja kirjeldamist standardi IEC 61400 käesolevas osas määratletud viisil. Mõõdetud näitajad kehtivad ainult hinnatava elektrituuliku tüübi kindlal konfiguratsioonil ja talitluse juhtimisviisil. Teistsugused konfiguratsioonid, sealhulgas muudetud juhtimissignaalid, mis põhjustavad elektrituuliku teistsugust käitumist elektri kvaliteedi suhtes, vajavad eraldi hinnangut. Mõõtmiste protseduurid on välja töötatud olemaks nii sõltumatud konkreetset asukohast kui võimalik, seega nii, et elektri kvaliteedi näitajad, mis on mõõdetud näiteks katsepolügonil võib lugeda kehtivateks ka teistes kohtades. Protseduurid elektri kvaliteedi nõuetele vastavuse hindamiseks kehtivad elektrituulikutele, millede ühisliitumispunkt asub kesk- või kõrgepinge elektrivõrgus, kus sageduse muutused ei ole suuremad kui ±1 Hz, ja mis omab piisavat aktiiv- ja reaktiivvõimsuse reguleerimise võimet. Teistel juhtudel võib elektri kvaliteedi nõuetele vastavuse hindamise põhimõtteid ikkagi kasutada juhendmaterjalina. Standardi IEC 61400 käesolev osa on mõeldud

elektrituulikute katsetamiseks, ehkki see sisaldab informatsiooni, mis võib samuti kasulik olla tuuleelektrijaamade katsetamisel. MÄRKUS Standardi IEC 61400 käesolev osa kasutab elektrivõrgu pinge määratlemisel järgmisi termineid: - madalpinge (LV) seostub pingetega Un □ 1 kV; - keskpinge (MV) seostub pingetega 1 kV < Un □ 35 kV; - kõrgepinge (HV) seostub pingetega Un > 35 kV.

Keel: en, et
Alusdokumendid: IEC 61400-21:2008; EN 61400-21:2008
Tühistamisküsitluse lõppkuupäev: 13.06.2023

EVS-EN 61400-3:2009

Wind turbines -- Part 3: Design requirements for offshore wind turbines

This part of IEC 61400 specifies additional requirements for assessment of the externalconditions at an offshore wind turbine site and it specifies essential design requirements toensure the engineering integrity of offshore wind turbines. Its purpose is to provide anappropriate level of protection against damage from all hazards during the planned lifetime.This standard focuses on the engineering integrity of the structural components of an offshorewind turbine but is also concerned with subsystems such as control and protectionmechanisms, internal electrical systems and mechanical systems.

Keel: en
Alusdokumendid: IEC 61400-3:2009; EN 61400-3:2009
Tühistamisküsitluse lõppkuupäev: 13.06.2023

EVS-EN ISO 14327:2004

Resistance welding - Procedures for determining the weldability lobe for resistance spot, projection and seam welding

This European Standard specifies procedures for determining the weldability lobe for producing quality welds. The tests are used in particular to determine the weldability lobe for coated/uncoated steels, stainless steels and aluminium and its alloys but may also be used for other metallic materials.

Keel: en
Alusdokumendid: ISO 14327:2004; EN ISO 14327:2004
Tühistamisküsitluse lõppkuupäev: 13.06.2023

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-HD 60364-5-52:2011/AC:2023

Madalpingelised elektripaigaldised. Osa 5-52: Elektriseadmete valik ja paigaldamine. Juhistikud

Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems (IEC 60364-5-52:2009, modified + corrigendum Feb. 2011)

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-EN 1401-1:2019+A1:2023

Maa-alused isevoolsed drenaaži ja kanalisatsiooni plasttorustikud. Plastifitseerimata polüvinüülkloriid (PVC-U). Osa 1: Torude, liitmike ja torustike spetsifikatsioonid
Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

See dokument määratleb nõuded sileda sise- ja välispinnaga jäiga seinaga torudele, mis on ekstrudeeritud sama koostisega segust läbi kogu toruseina, liitmikele ja plastifitseerimata polüvinüülkloriidist (PVC-U) maa-alustele isevoolsetele drenaaži ja kanalisatsiooni torustikele: — maa-alused väljaspool hoone struktuuri (rakendusala kood „U“) ja — mõlemad, maa-alused hoone struktuuri sees ja väljaspool hoonet (rakendusala kood „UD“). MÄRKUS 1 Kavandatav kasutusviis kajastub toodete märgistuses „U“ või „UD“ abil. Samuti täpsustab see katseparameetreid selles dokumendis osutatud katsemeetoditele. MÄRKUS 2 Läbi toruseina eri koostisega mitmekihilised ja vahtplastist torud on hõlmatud standardiga EN 13476-2 [1]. See dokument hõlmab mitut nimimõõtu, eri torude ja liitmike seeriaid ning eri jäikusklasse ja annab soovitusi värvuste kohta. MÄRKUS 3 Ostja või spetsifikaatori ülesanne on teha nendest aspektidest sobiv valik, võttes arvesse nende konkreetseid nõudeid ja asjakohaseid riigisiseseid eeskirju ja paigaldustavasid või koode. Seda kohaldatakse PVC-U torude ja liitmike, nende ühenduste ja liidete suhtes muude plastist ja mitte-plastist materjalist komponentidega, mis on ette nähtud pinnases maa-alustele isevoolsetele drenaaži ja kanalisatsiooni torustikele. MÄRKUS 4 Torud, liitmikud ja muud komponendid, mis vastavad mis tahes lisas C loetletud plasttoodete standardile, võivad olla kasutatavad selle dokumendi nõuetele vastavate torude ja liitmikega tingimusel, et nad vastavad peatükis 7 antud liidete mõõtmete nõuetele ja tabeli 16 nõuetele.

EVS-EN 16757:2022

Ehitiste jätkusuutlikkus. Toodete keskkonnadeklaratsioonid. Betooni ja betoonelementide tootekategooria reeglid
Sustainability of construction works - Environmental product declarations - Product Category Rules for concrete and concrete elements

See dokument täiendab ehitustoodete tootekategooria üldreegleid (ingl core rules), nagu on määratletud standardis EN 15804:2012+A2:2019, ja on ette nähtud kasutamiseks tootekategooria lisareeglina (ingl c-PCR, complementary product category rule) koos selle standardiga. See c-PCR kehtib tehniliste komiteede CEN/TC 104 ja CEN/TC 229 käsitlusalasse kuuluvate toodete kohta, kuid võib olla rakendatav ka teistele betoontoodetele, kuni neil on tootespetsiifilised c-PCR-id. See dokument kehtib hoonete ja rajatiste betooni ning betoonelementide kohta, välja arvatud autoklaavitud poorbetoon ja polümeerbetoon (ingl resin bound concrete). Peale lisas G toodu võib seda kasutada ka juhisena klaaskiudbetooni puhul. See dokument määratleb esitatavad parameetrid, hõlmatavad EPD tüübid (ja olelusringi etapid) olelusringi inventuuri (LCI) koostamisel ja olelusringi mõju hindamisel (LCIA) järgitavad reeglid ning EPD-de väljatöötamisel kasutatavate andmete kvaliteedi. Lisaks standardi EN 15804:2012+A2:2019 üldistele osadele on sellel dokumendil betooni ja betoonelementide puhul järgmised eesmärgid: see — määratleb süsteemi piirid; — määratleb materjalispetsiifiliste karakteristikute modelleerimise ja hindamise; — määratleb mitme väljundiga protsessidele jaotamise korra (ingl allocation procedures) piki tootmisahelat; — määratleb korduvkasutuse ja ringlussevõtu jaotamise korra; — sisaldab reegleid LCI ja EPD aluseks oleva LCIA arvutamiseks; — esitab juhised/spetsiifilised reeglid referentskasutusea (ingl reference service life, RSL) määramiseks; — esitab juhised vaikestsenaariumide koostamiseks; — esitab juhised betoonelementide vaikefunktsionaalühikute kohta. See dokument on mõeldud kasutamiseks nii tootmisetapi kui ka järgnevate etappide hindamisel (hällist väravani koos valikutega) või kogu olelustsükli hindamisel (hällist hauani). Selle eeldus on, et eesmärgid on süsteemipiiride kirjelduses õigesti määratletud. Ehitustööde kontekstis annab deklaratsioon hällist hauani täielikuma ülevaate betooni ja betoonelementidega seonduvatest keskkonnamõjudest.

EVS-EN 351-1:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 1: Kaitsevahendi läbitavuse ja sissejäävuse liigitus
Durability of wood and wood-based products - Preservative-treated solid wood - Part 1: Classification of preservative penetration and retention

See standardisarja EN 351 osa loob liigituse kaitseimmutatud puidule kaitsevahendi läbitavuse järgi ja annab juhised sissejäävuse liigitamiseks. Neid saab kasutada alusena eri toodete kaitseimmutuste määratlemiseks. See standardisarja EN 351 osa määratleb terminoloogia, mida määratleja peab kasutama kaitseimmutuse spetsifikatsiooni või tootestandardi ettevalmistamisel. See ise ei ole immutuse spetsifikatsioon. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. See ei rakendu kasutuses oleva immutatud puidu mingile järgnevale kontrollile. MÄRKUS 1 Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa on rakendatav puidu kaitseks puitu hävitavate ja puitu moonutavate seente, putukate ja mereorganismide vastu. MÄRKUS 2 Kaitse puitu moonutavate seente eest on valikuline omadus, mida kontrollitakse standardi EN 599-1 kohase testimisega. See standardisarja EN 351 osa ei käsitle immutatud puidu teisi omadusi, näiteks lõhna, kokkusobivust teiste materjalidega, nagu kinnitusvahendite korrodeerivust. Samuti ei käsitle see standard mingeid omadusi tervise, ohutuse ja keskkonna vaatepunktist. See standardisarja EN 351 osa ei rakendu puidule, mida on immutatud koostistega, mida on rakendatud kasutuses olevale puidule olemasoleva seen- või putukkahjustuse kõrvaldamiseks või ohjeldamiseks või maltspuidu värvusriket põhjustava seene või värskelt raiutud puidus olevate putukate kahjustuste ärahoidmiseks. Lisa A (teatmelisa) sisaldab otsustusprotsessi kaitseimmutuse nõuete täpsustamiseks. Lisa B (teatmelisa) annab märgistussüsteemi näite.

EVS-EN 351-2:2023

Puidu ja puittoodete vastupidavus. Kaitsevahendiga immutatud täispuit. Osa 2: Juhised proovivõtu kohta kaitsevahendiga immutatud puidu analüüsiks
Durability of wood and wood-based products - Preservative-treated solid wood - Part 2: Guidance on sampling for the analysis of preservative-treated wood

See standardisarja EN 351 osa annab juhised üldiste protseduuride kohta, mida tuleb kasutada kaitseimmutatud puidust proovide võtmisel puidukaitsevahendi läbitavuse ja sissejäävuse määramiseks. Samuti annab see juhised puidukaitsevahendi läbitavuse ja sissejäävuse mõõtmiseks immutatud puidus. See standardisarja EN 351 osa on rakendatav kaitseimmutatud täispuidust toodangule, kaasa arvatud liimpuidule, mis on sobiv kasutamiseks nendes kasutustingimustes, mis on määratletud standardi EN 335 kasutusklassidega. MÄRKUS Liimpuit ei ole sobilik kasutamiseks mage- ega merevees. See standardisarja EN 351 osa ei ole rakendatav kasutuses oleva kaitseimmutatud puidu kohta. Standardisarja EN 351 selles osas esitatud proovivõtujuhiseid saab siiski rakendada kasutuses oleva immutatud puidu hilisemaks kontrollimiseks. Lisa A (teatmelisa) sisaldab näidisühikute arvu valimist. Lisa B (teatmelisa) sisaldab sissejäävuse mõõtmise näiteid.

EVS-ISO 81346-10:2023

Tööstuslikud süsteemid, paigaldised ja seadmed ning tööstustooted. Liigendamise põhimõtted ja viitetähised. Osa 10: Energiavarustussüsteemid
Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 10: Power supply systems (ISO 81346-10:2022, identical)

See dokument sätestab lisaks standardis IEC 81346-1 määratletud süsteemide ja info liigendamise põhimõtetele reeglid süsteemide liigendamiseks energiavarustussüsteemide alal. Nende põhimõtete alusel on esitatud reeglid ja juhised objektidele üheselt mõistetavate viitetähiste formuleerimiseks mis tahes süsteemis. Viitetähis identifitseerib objektid, et objekti kohta saaks teavet nii luua kui ka hankida, ja kui objekt on muudetud või muutunud reaalseks, siis ka selle vastava koostisosa kohta. Koostisosa küljes sildil esitatud viitetähis on võti teabe leidmiseks selle objekti kohta eri liikidest dokumentide seast. Need põhimõtted on üldised ja kehtivad kõikides tehnikavaldkondades (nagu näiteks masinaehitus, elektrotehnika, ehitustehnika, protsessitehnika). Neid saab kasutada eri tehnikail põhinevate või mitut tehnikat kombineerivate süsteemide jaoks. Ühtlasi täpsustab see dokument klassid süsteemide ja ruumide jaoks energiavarustussüsteemide alal.

STANDARDIPEALKIRJADE MUUTMINE

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

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 16757:2022	Sustainability of construction works - Environmental product declarations - Product Category Rules for concrete and concrete elements	Ehitiste jätkusuutlikkus. Toodete keskkonnadeklaratsioonid. Betooni ja betoonelementide tootekategooria reeglid