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Uued Eesti standardid

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Asendatud või tühistatud Eesti standardid

Algupäraste standardite koostamine ja ülevaatus

Standardite **tõlked kommenteerimisel**

Uued harmoneeritud standardid

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Uued eestikeelsed standardid

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UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN 12665:2024/AC:2024

Valgus ja valgustus. Põhioskussõnad ja valgustusnõuete valiku alused
Light and lighting - Basic terms and criteria for specifying lighting requirements

Standardi EVS-EN 12665:2024 parandus.

Keel: et
Parandab dokumenti: EVS-EN 12665:2024

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

CEN/TS 18055-1:2024

Postal services - Harmonized track and trace events - Part 1: Forward flow

The scope of this document is the forward flow of E-Commerce items. Starting point is arrival at a lo-gistic service provider, end point is the final delivery, or at least the attempt to final delivery. The returns flows, either caused by unsuccessful delivery, "return to sender" or as a service for recipi-ents to send a received shipment back, are not covered by the forward events. To keep this document unambiguous and easy to understand, these return flows are excluded. Return flows may be covered in a separate technical specification. Not in scope are the logistical flows within the facilities of the producers and sellers of the items. These fall outside the responsibility of the CEN/TC 331 domain. Excluded as well, are all events necessary for an LSP to track items within its own facilities. It is up to the LSP how to run its business, and internal standards are in place for the management of internal process-es. Internal events are considered to be of no interest to a recipient, with the exception of some of the last mile events which are mentioned later in this document.

Keel: en
Alusdokumendid: CEN/TS 18055-1:2024

EVS-EN 45560:2024

Method to achieve circular designs of products

This document proposes a method to achieve circular designs of products. It details principles, requirements and guidance associated with the proposed method. This document: • specifies requirements and guidance for integrating circularity into the design and development process of products by an organization and, • supports organizations to develop product design rules to fulfil their chosen circular business targets (e.g. the circular business models chosen by the organization or the legislation requirements). Having life cycle thinking as a core principle, this document provides guidance on how to reduce environmental impacts, and how to deal with challenges such as trade-offs during circular product design, without compromising other product functions including safety. This document focusses on material efficiency. It is not a management system standard. This document can be applied when no product-specific or product group standard exist. Where such documents are developed, this document can be used as reference to ensure consistency and harmonization across the different product areas and supply chains or networks. NOTE For the purpose of this document, the following products are excluded: food, feed, medicinal products for human use, veterinary medicinal products, living plants, animals and microorganisms, products of human origin, products of plants and animals relating directly to their future reproduction.

Keel: en
Alusdokumendid: EN 45560:2024

EVS-ISO 10015:2024

Kvaliteedijuhtimine. Juhised kompetentside juhtimiseks ja inimeste arendamiseks
Quality management. Guidelines for competence management and people development (ISO 10015:2019, identical)

See dokument annab organisatsioonile juhised kompetentsijuhtimise ja inimeste arendamise süsteemide sisseseadmiseks, rakendamiseks, toimivana hoidmiseks ja parendamiseks, et mõjutada positiivselt toodete ja teenuste vastavusega seotud tulemusi ning asjakohaste huvipoolte vajadusi ja ootusi. See dokument on kohaldatav kõikidele organisatsioonidele, olenemata nende tüübist või suurusest. See ei lisa, muuda ega modifitseeri muul viisil ISO 9000 perekonna või mis tahes teiste standardite nõudeid

Keel: en
Alusdokumendid: ISO 10015:2019
Asendab dokumenti: EVS-ISO 10015:2008

07 LOODUS- JA RAKENDUSTEADUSED

EVS-EN ISO 16140-7:2024

Microbiology of the food chain - Method validation - Part 7: Protocol for the validation of identification methods of microorganisms (ISO 16140-7:2024)

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, no method comparison study can be run. Therefore, 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 isolated colonies from: — products intended for human consumption; — products for feeding animals; — environmental samples in the area of food and feed production and handling; — samples from the primary production stage. Identification methods only validated in accordance with this document 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 is validated in accordance with ISO 16140-6 method that is used as a confirmation method. This document is applicable to bacteria and fungi. Some clauses can be applicable to other (micro)organisms, which can be determined on a case-by-case basis.

Keel: en
Alusdokumendid: ISO 16140-7:2024; EN ISO 16140-7:2024

11 TERVISEHOOLDUS

CEN ISO/TS 7552-1:2024

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumour cells (CTCs) in venous whole blood - Part 1: Isolated RNA (ISO/TS 7552-1:2024)

This document specifies requirements and gives recommendations on the handling, storage, CTC enrichment and isolation, RNA isolation and storage, and documentation of venous whole blood specimens intended for the examination of RNA isolated from circulating tumour cells (CTCs) during the pre-examination phase before a molecular examination is performed. This document is applicable to molecular in vitro diagnostic examinations including laboratory-developed tests performed by medical laboratories. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions, and commercial organizations performing biomedical research, and regulatory authorities. This document does not cover the isolation of cellular RNA directly from venous whole blood containing CTCs. This is covered in ISO 20186-1. This document does not cover the isolation of specific white blood cells and subsequent isolation of cellular RNA therefrom. This document does not cover pre-analytical workflow requirements for viable CTC cryopreservation and culturing. NOTE 1 The requirements given in this document can also be applied to other circulating rare cells (e.g. foetal cells). NOTE 2 International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: ISO/TS 7552-1:2024; CEN ISO/TS 7552-1:2024
Asendab dokumenti: CEN/TS 17390-1:2020

CEN ISO/TS 7552-2:2024

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumour cells (CTCs) in venous whole blood - Part 2: Isolated DNA (ISO/TS 7552-2:2024)

This document specifies requirements and gives recommendations on the handling, storage, CTC enrichment and isolation, DNA isolation and storage, and documentation of venous whole blood specimens intended for the examination of DNA isolated from circulating tumour cells (CTCs) during the pre-examination phase before a molecular examination is performed. This document is applicable to molecular in vitro diagnostic examinations including laboratory developed tests performed by medical laboratories. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions, and commercial organizations performing biomedical research, and regulatory authorities. This document does not cover the isolation of genomic DNA directly from venous whole blood containing CTCs. This is covered in ISO 20186-2. This document does not cover the isolation of specific white blood cells and subsequent isolation of genomic DNA therefrom or the pre-analytical workflow requirements for viable CTC cryopreservation and culturing. NOTE 1 The requirements given in this document can also be applied to other circulating rare cells (e.g. foetal cells). NOTE 2 International, national, or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: ISO/TS 7552-2:2024; CEN ISO/TS 7552-2:2024
Asendab dokumenti: CEN/TS 17390-2:2020

CEN ISO/TS 7552-3:2024

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumour cells (CTCs) in venous whole blood - Part 3: Preparations for analytical CTC staining (ISO/TS 7552-3:2024)

This document specifies requirements and gives recommendations on the handling, storage, CTC enrichment, preparation for CTC staining, and documentation of venous whole blood specimens intended for staining of CTCs during the pre-examination phase before an examination is performed. This document is applicable to molecular in vitro diagnostic examinations including

laboratory developed tests performed by medical laboratories. It is also intended to be used by laboratory customers, in vitro diagnostics developers, and manufacturers, biobanks, institutions, and commercial organizations performing biomedical research, and regulatory authorities. This document does not cover pre-analytical workflow requirements for viable CTC cryopreservation and culturing. Different dedicated measures are taken for stabilizing CTCs genomic DNA and RNA that are not described in this document; they are covered in ISO 7552-1 and ISO 7552-2. NOTE 1 The requirements given in this document can also be applied to other circulating rare cells (e.g. foetal cells). NOTE 2 International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: ISO/TS 7552-3:2024; CEN ISO/TS 7552-3:2024
Asendab dokumenti: CEN/TS 17390-3:2020

EVS-EN ISO 11979-2:2024

Ophthalmic implants - Intraocular lenses - Part 2: Optical properties and test methods (ISO 11979-2:2024)

This document specifies requirements and test methods for certain optical properties of intraocular lenses (IOLs) with monofocal, toric, simultaneous vision, and/or accommodative optics. The generic descriptor 'IOL' used throughout this document also includes phakic intraocular lenses (PIOL).

Keel: en
Alusdokumendid: ISO 11979-2:2024; EN ISO 11979-2:2024
Asendab dokumenti: EVS-EN ISO 11979-2:2014

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

CEN/TR 18186:2024

Road restraint systems - General requirements for the competence of laboratories performing virtual testing for the evaluation of vehicle restraint systems

This Technical Report gives guidance on principles and methods to determine the forces due to the collision of an errant vehicle with a vehicle restraint system (vrs) in bridge design and classify vehicle restraint systems with load. This Technical Report specifies the general requirements for the competence to perform virtual testing in order to assess the performance of vehicle restraint systems. It covers virtual testing performed using finite element methods and multi-body methods. This Technical Report is applicable to all organizations performing virtual testing dealing with vehicle restraint systems. Laboratory customers, regulatory authorities and accreditation bodies may also use this Technical Report in confirming or recognizing the competence of laboratories.

Keel: en
Alusdokumendid: CEN/TR 18186:2024

CWA 18153:2024

Brine Valorisation - Recovery of minerals and metals from brines of seawater desalination plants

According to the European Critical Raw Material Act, the diversification of raw material supply chains is fostered. The Sea4Value project contributes to the diversification of raw materials sourcing and aims to secure the supply of raw materials from already existing sources. Brines produced in seawater desalination plants are multi-mineral and are an enormous potential source of minerals and metals as 19,744 plants are installed worldwide. By now, these brines are not broadly used for the extraction of (critical) raw materials, instead the brines are discarded. See Figure 1. The EU-funded Sea4Value project is the first attempt to recover minerals and metals from brines produced in seawater desalination plants (SWDP) in a cost-effective way. The main focus is on separating, concentrating and crystallising Molybdenum, Magnesium, Scandium, Vanadium, Gallium, Boron, Indium, Lithium, Rubidium and Calcium from brines, where they can be found in low concentrations. To do that, a multimineral and modular process is developed for brine valorisation. The implementation of brine valorisation in seawater desalination plants offers new business opportunities, which can bring value to markets, environment, and society. With this CEN Workshop, brine valorisation, i.e. brine mining, is to be standardised so that it can serve as a building block for a secure supply of raw materials in the future. To achieve this, it is necessary to remove the barriers to the introduction of a new process and new raw materials by ensuring reliability, knowledge transfer, and quality. Common standards help remove technical barriers to trade, open up markets and make businesses more competitive. This CEN Workshop Agreement (CWA) which has been developed by the CEN Workshop aims to provide guidance and recommendations on best practices for sustainable brine valorisation to ensure transfer of innovation into practice. The guidance refers on the processing of brines to recover minerals and metals and on the properties of the recovered minerals and metals. In order to achieve a common understanding, a language for describing brine valorisation needs to be developed as well as terms and system boundaries of brine valorisation need to be defined. Moreover, the CWA describes, explains, and agrees on the core process steps of brine valorisation. This includes advice on the fundamental prerequisites; pre-treatment, key (technologic) elements/methods and post-treatment are specified and recommendations for planning, design, implementation and operation are given. The CWA provides recommendations on good practice approaches, advice on the requirements of circularity in SWDP as well as considerations on environmental and economic impacts and evaluation. Besides the recommendations for the process of brine valorisation, recommendations are also be made for the recovered product, the minerals and metals, to ensure that the new products meet the market demand. The CEN Workshop Agreement is intended to be used by operators of seawater desalination plants, engineering companies, end-users, traders and distributer of recovered minerals and metals as well as government and environmental authorities. The CWA does not provide guidance and recommendations for sustainable valorisation of brines that are not produced in seawater desalination plants.

Keel: en
Alusdokumendid: CWA 18153:2024

EVS-EN 17308:2024

Materials produced from end of life tyres - Steel wire - Determination of the non-metallic content

This document specifies two different methods for the quantitative estimation of non-metallic content remaining adhered to the steel wire obtained from the recovery of materials from end-of-life tyres. The pyrolysis method is considered as the reference method while the hydrostatic method is considered as an in situ method. This document includes sample collection and the preparation of representative samples based on a sampling plan for the purpose of their characterization. This document does not apply to the operational performance or fitness for use of the materials which are deemed to be a function of agreements between the manufacturer and the customer. This document does not apply to address all the safety concerns, if any, associated with its use. This document does not establish appropriate safety and health practices and does not determine the applicability of regulatory limitations prior to its use.

Keel: en
Alusdokumendid: EN 17308:2024
Asendab dokumenti: CEN/TS 17308:2019

EVS-EN 45545-6:2024

Raudteealased rakendused. Raudteeveeremi tuleohutus. Osa 6: Tulekahjusignalisatsioonisüsteem
Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

This document specifies requirements for fire detection, alarm systems, equipment shutdown, information and communication systems, emergency brake systems and fire fighting systems to cover the objectives specified in EN 45545-1:2013. The measures and requirements specified in this document aim to protect passengers and staff in railway vehicles in the event of a fire on board by alerting staff and passengers to a fire, delaying the fire development and controlling the movement of smoke. It is not within the scope of this document to describe measures that ensure the preservation of the railway vehicles in the event of a fire. This document is applicable to railway vehicles specified in EN 45545-1:2013.

Keel: en
Alusdokumendid: EN 45545-6:2024
Asendab dokumenti: EVS-EN 45545-6:2013

EVS-EN 45560:2024

Method to achieve circular designs of products

This document proposes a method to achieve circular designs of products. It details principles, requirements and guidance associated with the proposed method. This document: • specifies requirements and guidance for integrating circularity into the design and development process of products by an organization and, • supports organizations to develop product design rules to fulfil their chosen circular business targets (e.g. the circular business models chosen by the organization or the legislation requirements). Having life cycle thinking as a core principle, this document provides guidance on how to reduce environmental impacts, and how to deal with challenges such as trade-offs during circular product design, without compromising other product functions including safety. This document focusses on material efficiency. It is not a management system standard. This document can be applied when no product-specific or product group standard exist. Where such documents are developed, this document can be used as reference to ensure consistency and harmonization across the different product areas and supply chains or networks. NOTE For the purpose of this document, the following products are excluded: food, feed, medicinal products for human use, veterinary medicinal products, living plants, animals and microorganisms, products of human origin, products of plants and animals relating directly to their future reproduction.

Keel: en
Alusdokumendid: EN 45560:2024

EVS-EN IEC 60335-2-102:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

IEC 60335-2-102:2017 deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects are covered when the appliance also complies with the relevant standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, safety aspects concerning these electric sources are covered when the appliance also complies with the relevant part 2 of IEC 60335. Examples of appliances within the scope of this standard are – central heating boilers; – commercial catering equipment; – cooking appliances; – laundry and cleaning appliances; – room heaters; – warm air heaters; – water heaters. 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. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account – persons (including children) whose • physical, sensory or mental capabilities; or • lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; – children playing with the appliance. 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; This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This second edition cancels and replaces the first edition published in 2004 including

its Amendment 1 (2008) and its Amendment 2 (2012). This edition constitutes constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a spillage test is introduced for appliances that have a flat surface on which a cup may be placed (15.101); terms and definitions were renumbered and some notes have been converted to normative text or deleted (19.11.2, 22.103). This publication has been drafted in accordance with the ISO/IEC Directives, Part 2. This part 2-102 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of IEC 60335-1:2010, its Amendment 1:2013 and its Amendment 2:2016. 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.

Keel: en
Alusdokumendid: IEC 60335-2-102:2017; EN IEC 60335-2-102:2024
Asendab dokumenti: EVS-EN 60335-2-102:2016

EVS-EN IEC 60335-2-102:2024/A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

This European Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance.

Keel: en
Alusdokumendid: EN IEC 60335-2-102:2024/A11:2024
Muudab dokumenti: EVS-EN IEC 60335-2-102:2024

EVS-EN IEC 60335-2-102:2024+A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2017)

This clause of Part 1 is replaced by the following. This document deals with the electrical safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This document covers the electrical safety of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, safety aspects concerning these electric sources are covered when the appliance also complies with the relevant Part 2 of EN 60335. NOTE 101 Examples of appliances within the scope of this standard are – central heating boilers; – commercial catering equipment; – cooking appliances; – laundry and cleaning appliances; – room heaters; – warm air heaters; – water heaters. Additional requirements for appliances and machines with moving parts and intended for commercial use are given in Annex ZE. NOTE Z101 Examples of appliance for household environment are appliances for typical housekeeping functions used in the household environment and appliances for typical housekeeping functions used by non-expert users: — in shops, offices and other similar working environments, — in farm houses, — 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. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account: — 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. This document is read in conjunction with the relevant standards for fuel-burning appliances and for control devices. Examples are listed in Annexes ZAA and ZBB. NOTE 102 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 are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 103 This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

Keel: en
Alusdokumendid: IEC 60335-2-102:2017; EN IEC 60335-2-102:2024; EN IEC 60335-2-102:2024/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-102:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-102:2024/A11:2024

EVS-EN IEC 60335-2-80:2024/A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-80: Erinõuded ventilaatoritele
Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

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

Keel: en
Alusdokumendid: EN IEC 60335-2-80:2024/A11:2024

Muudab dokumenti: EVS-EN IEC 60335-2-80:2024

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 16211:2024

Ventilation for buildings - Measurement of air flow rates on site - Methods

This document specifies methods for the measurement of air flow rates on site. It provides a description of the air flow rate measurement methods and how measurements are performed within the margins of stipulated method uncertainties. It gives the necessary measurement conditions (e.g. length of straight duct, uniform velocity profile) to achieve the stipulated measurement uncertainties. The methods for measuring the air flow rate inside ducts do not apply to: - ducts that are not circular or rectangular (e.g. oblong ducts); - flexible ducts.

Keel: en
Alusdokumendid: EN 16211:2024
Asendab dokumenti: EVS-EN 16211:2015

19 KATSETAMINE

CWA 18155:2024

Procedure guidelines to determinate 3-Hydroxyvalerate Content in PHBV by Nuclear Magnetic Resonance

The planned CEN Workshop Agreement specifies an accessible methodology for the quantification of the comonomer content in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) using nuclear magnetic resonance as analytical tool.

Keel: en
Alusdokumendid: CWA 18155:2024

EVS-EN IEC 60068-2-87:2024

Environmental testing - Part 2-87: Tests - UV-C exposure of materials and components to simulate ultraviolet germicidal Irradiation or other applications

IEC 60068-2-87:2024 describes exposures of materials and components to UV-C radiation during ultraviolet germicidal irradiation (UVGI) treatments or other processes that require UV-C exposure and test procedures to simulate those environments. Severities representing various frequencies and intensities of UV-C exposures are described. Test conditions are described and limited to devices that utilize low pressure mercury lamps which emit most of their radiation at a single spectral line at 254 nm.

Keel: en
Alusdokumendid: IEC 60068-2-87:2024; EN IEC 60068-2-87:2024

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 17889:2024

District heating pipes - Factory made flexible pipe systems - Classification, requirements and test methods for bonded or non-bonded system with thermoplastic reinforced service pipes (TRSP)

This document specifies classification, general requirements and test methods for flexible, factory made, buried district heating pipe systems with thermoplastic reinforced service pipes (TRSP). The factory made bonded or non-bonded flexible pipe systems, covered by this document, consists of: - Thermoplastic reinforced service pipe, which consists of an inner layer made of PE-Xa, a thermoplastic intermediate layer, a reinforcement layer made of para-aramid fibres, an outer thermoplastic layer and a diffusion barrier layer, all with bonded structure; - Thermal insulation layer; - Casing made of PE. Depending on the temperature profile, this document is applicable to a maximum operating temperature of 115 °C and maximum operating design pressure up to 1,6 MPa. The pipe systems are designed for a service life of at least 30 years. This document does not apply to cover surveillance systems. NOTE For higher temperatures or for the transport of other fluids, for example potable water, additional requirements and testing is needed. Such requirements are not specified in this document. A guideline for testing the pipe assembly is given in Annex D.

Keel: en
Alusdokumendid: CEN/TS 17889:2024

EVS-EN 12583:2022+A1:2024

Gas Infrastructure - Compressor stations - Functional requirements

This document describes the specific functional requirements for the design, construction, operation, maintenance and disposal activities for safe and secure gas compressor stations. This document applies to new gas compressor stations with a Maximum Operating Pressure (MOP) over 16 bar and with a total shaft power over 1 MW. For existing compressor stations, this document applies to new compressor units. Where changes/modifications to existing installations or gas composition take place, due account can be taken of the requirements of this document. This document does not apply to gas compressor stations or compressor units operating prior to the publication of this document. For existing sites this document can be used as guidance. The purpose of this document is to: — ensure the health and safety of the public and all site personnel; — cover environmental issues; — avoid incidental damage to nearby property; and — open the gas infrastructure to accommodate renewable gases, including a possible design for hydrogen. This document specifies common basic principles for the 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 conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). CEN/TR 13737 (all parts) gives: — clarification of all legislations/regulations applicable in a member state; — if appropriate, more restrictive national requirements; — a national contact point for the latest information. This document does not apply to: — off-shore gas compressor stations; — gas compressor stations for compressed gas filling-stations; — customer installations downstream of the point of custody transfer; — design and construction of driver packages (see Annex C); — mobile compressor equipment. For supplies to utility services such as small central heating boilers reference is made to EN 1775. Figure 1 shows a schematic representation of compressor stations in a gas infrastructure. For further information refer to Annexes A, B, C, D, E and F.

Keel: en
Alusdokumendid: EN 12583:2022+A1:2024
Asendab dokumenti: EVS-EN 12583:2022

EVS-EN 13480-1:2024

Metallist tööstustorustik. Osa 1: Üldist
Metallic industrial piping - Part 1: General

See dokument määrab kindlaks tööstuslike torustikusüsteemide ja nende tugede, sealhulgas ohutussüsteemide nõuded, mis on valmistatud metallmaterjalidest, et tagada ohutu töö. See dokument on kohaldatav maapealsetele, kanaliseeritud või maa-alustele metalltorustikele, sõltumata rõhust. See dokument ei ole kohaldatav — torujuhtmetele ja nende lisaseadmetele; — veevoolusüsteemidele, nagu survetorud, survetunnelid ja hüdroelektrijaamade survetornid ning nendega seotud spetsiifilised lisaseadmed; — sõidukite torustikele, mis on hõlmatud EMÜ tüübikinnitusmenetlustega, nagu on sätestatud direktiivides 70/156/EMÜ [1], 74/150/EMÜ [2] ja 92/61/EMÜ [3]; — spetsiaalselt tuumaenergia kasutamiseks mõeldud toodetele, mille rike võib põhjustada radioaktiivsuse eraldumist; — nafta-, gaasi- või geotermaalenergia uurimise ja kaevandamise tööstuses ning maa-aluses ladustamises kasutatavatele kaevukontrolliseadmetele, mis on ette nähtud kaevusurve hoidmiseks ja/või kontrollimiseks, sealhulgas torustik; — kõrgeahjude torustikele, sealhulgas ahju jahutusele, kuuma õhu soojusvahetitele, tolmu kogujatele ja kõrgeahju heitgaaside pesuritele, samuti otsese redutseerimise kupolitele, sealhulgas ahju jahutusele, gaasi konverteritele ja vaakumahjudele ning terase ja värviliste metallide sulatamiseks, ümbersulatamiseks, gaaside eemaldamiseks ja valamiseks mõeldud paakidele; — kõrgepinge elektriseadmete, nagu lülitusseadmete, juhtimisseadmete ja trafode ümbristele; — survestatud torudele, mis on ette nähtud elektri- ja telefonikaablite edastussüsteemide hoidmiseks; — püsivalt paigaldatud torustikele laevadel, rakettidel, lennukitel ja mobiilsetel avamereseadmetel; — meditsiiniseadmete sisetorustikele, nagu on sätestatud direktiivis 93/142/EMÜ [4] meditsiiniseadmete kohta; — katelde sisetorustikele ja surveseadmete sisseehitatud torustikele.

Keel: en, et
Alusdokumendid: EN 13480-1:2024
Asendab dokumenti: EVS-EN 13480-1:2017/A1:2019
Asendab dokumenti: EVS-EN 13480-1:2017+A1:2019

EVS-EN 17339:2024

Transportable gas cylinders – Hoop wrapped and fully wrapped carbon composite cylinders and tubes for hydrogen

This document specifies minimum requirements for the materials, design, construction, prototype testing and routine manufacturing inspections of composite gas cylinders and tubes for compressed hydrogen. NOTE 1 Unless specified in the text, for the purposes of this document, the word “cylinder” includes tubes. This document applies to - fully wrapped composite cylinders (Type 3 and Type 4) - hoop wrapped cylinders (Type 2) with carbon fibres intended to be permanently mounted in a frame (e.g. bundle or trailer) with a test pressure of not less than 300 bar, with: — non-metallic liners (for Type 4) or seamless metallic liners (for Type 2 and Type 3), — a maximum water capacity of 3 000 l — a maximum working pressure of 1 000 bar. — the product of working pressure times water capacity (p x V) not exceeding 1 000 000 bar.l. NOTE 2 A glass fibre protective layer is sometimes applied to the external surface of the cylinder

Keel: en
Alusdokumendid: EN 17339:2024
Asendab dokumenti: EVS-EN 17339:2020

EVS-EN IEC 60335-2-40:2024+A11:2024

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 60335-2-40:2022 + COR1:2024)

This clause of Part 1 is replaced by the following. This part of IEC 60335 deals with the safety of electric heat pumps, sanitary hot water heat pumps and air conditioners, incorporating motor-compressors as well as hydronic fan coils units, dehumidifiers (with or without motor-compressors), thermoelectric heat pumps and partial units. Their maximum rated voltage being not more than 300 V for single phase appliances and 600 V for multi-phase appliances. 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 can consist of one or more factory-made assemblies. If provided in more than one assembly, the separate assemblies are 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 motor-compressor. NOTE 102 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. 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 on the relevance of the Pressure Equipment Directive is 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. This document deals with specific requirements on noise emitted from these appliances if the generated noise is LpA > 70 dB(A) and it is considered to be a relevant hazard. NOTE Z105 Additional information for such appliances are given in Annex ZE and Annex ZAB. This standard does not take into account refrigerants other than group A1, A2L, A2 and A3 as defined by ISO 817. Flammable 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. As far as practical, this standard deals with common hazards presented by appliances that are encountered in normal use and assumes that installation, servicing, decommissioning, and disposal are safely handled by competent persons and accidental release of refrigerants is avoided. However, it does not prescribe the criteria to ensure competence of persons during installation, servicing and disposal. Safety requirements during disposal are not specified in this standard. NOTE 103 Annex HH provides informative requirements on competence of persons. Criteria for competence of personnel for the purpose of certification schemes can be found in ISO 22712. Unless specifications are covered by this standard, including the annexes, requirements for refrigerating safety are covered by: – ISO 5149-1:2014, ISO 5149-1:2014/AMD1:2015, and ISO 5149-1:2014/AMD2:2021, – ISO 5149-2:2014 and ISO 5149-2:2014/AMD1:2020, – ISO 5149-3:2014 and ISO 5149-3:2014/AMD1:2021. 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 104 Attention is drawn to the fact that • for appliances intended to be used in vehicles or on-board ships or aircraft, additional requirements can 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 105 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 60335-2-40:2022; EN IEC 60335-2-40:2024; EN IEC 60335-2-40:2024/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-40:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-40:2024/A11:2024

EVS-EN IEC 60335-2-80:2024/A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-80: Erinõuded ventilaatoritele
Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

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

Keel: en
Alusdokumendid: EN IEC 60335-2-80:2024/A11:2024
Muudab dokumenti: EVS-EN IEC 60335-2-80:2024

EVS-EN ISO 5640:2024

Industrial valves - Mounting kits for part-turn valve actuator attachment (ISO 5640:2024)

This document provides requirements for metallic mounting kits for part-turn valves and actuator attachments. It includes all components transmitting torques from actuators to valves with a maximum flange torque up to 16 000 Nm (up to F30 flange type). It applies to mounting kits for part-turn valves and actuators with integral attachment flanges and drive components as described in ISO 5211, when direct mounting of the actuator on valve is not practical. Stacking of mounting kits/intermediate supports is not within the scope of this document. This document specifies methods for design and environmental corrosion protection. When a reference is made to this document, all the requirements apply, unless otherwise agreed between the purchaser and the manufacturer/supplier, prior to order. In this document, the term "valve" covers valve or shaft extension top-flange, and the term “actuator” covers part-turn actuator or combination of multi-turn actuator and gearbox. Control valves are excluded from this document.

Keel: en
Alusdokumendid: ISO 5640:2024; EN ISO 5640:2024
Asendab dokumenti: EVS-EN 15081:2007

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 61784-3-19:2024

Industrial communication networks - Profiles - Part 3-19: Functional safety fieldbuses - Additional specifications for CPF 19

IEC 61784-3-19:2024 specifies a safety communication layer (services and protocol) based on IEC 61784-1-19, IEC 61784-2-19 and the IEC 61158 series (Type 24 and Type 27). It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer. This safety communication layer is intended for implementation in safety devices only. NOTE 1 It does not cover electrical safety and intrinsic safety aspects. Electrical safety relates to hazards

such as electrical shock. Intrinsic safety relates to hazards associated with potentially explosive atmospheres. This document defines mechanisms for the transmission of safety-relevant messages among participants within a distributed network using fieldbus technology in accordance with the requirements of the IEC 61508 series for functional safety. These mechanisms can be used in various industrial applications such as process control, manufacturing automation and machinery. This document provides guidelines for both developers and assessors of compliant devices and systems. NOTE 2 The resulting SIL claim of a system depends on the implementation of the selected functional safety communication profile within this system – implementation of a functional safety communication profile according to this document in a standard device is not sufficient to qualify it as a safety device.

Keel: en
Alusdokumendid: IEC 61784-3-19:2024; EN IEC 61784-3-19:2024

EVS-EN IEC 63339:2024

Unified reference model for smart manufacturing

IEC 63339:2024 specifies the unified reference model for smart manufacturing (URMSM) using a terminology and structure, and establishes criteria for creating reference models, as specializations, that support smart manufacturing. The terminology and structure comprise a set of common modelling elements, their associations, and conformance criteria. These common modelling elements address aspects and perspectives of products and production and their lifecycle considerations. The URMSM enables an approach for creating multiple models based upon a reference model that is sufficient for understanding significant relationships among entities involved in smart manufacturing (SM) and for the development of standards and other specifications. The URMSM specifications in this document accommodate consistent, coherent, compatible specializations for relevant aspects of manufacturing systems consisting of equipment, products, and services within the domain of manufacturing. Provisions of this document are applicable for a new smart manufacturing reference model (SMRM) or elaboration of existing SMRM capabilities, for example, improving capabilities for analysis of opportunities and synthesis of technological advances, and improving interoperability of new and existing systems. This document is not intended to prescribe interoperability considerations or data schemas of models. Standardization of content relative to models will be the subject of other standards and texts specific to those model domains.

Keel: en
Alusdokumendid: IEC 63339:2024; EN IEC 63339:2024

29 ELEKTROTEHNIKA

EVS-EN 50126-1:2017/A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

Muudatus standardile EN 50126-1:2017

Keel: en, et
Alusdokumendid: EN 50126-1:2017/A1:2024
Muudab dokumenti: EVS-EN 50126-1:2017

EVS-EN 50126-1:2017+A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

See dokument • käsitleb RAMS-i, mida mõistetakse kui töökindlust, kasutatavust, hooldatavust ja ohutust ning nende omavahelist seostatud toimimist; • käsitleb RAMS-i elutsükli üldiseid aspekte. Selles osas olevaid juhiseid võib kasutada konkreetsete standardite rakendamisel; • määratleb: — RAMS-i juhtimise protsessi, mis põhineb süsteemi elutsüklil ja selle sisestel toimingutel; — süsteemse, vaadeldava süsteemi suuruse ja liigiga kohaldatava protsessi RAMS-i nõuete määratlemiseks ja nende nõuete täitmise esitlemiseks; • käsitleb raudtee spetsiifikat; • võimaldab RAMS-i elementide vaheliste konfliktide efektiivset haldamist ja juhtimist; • ei määratle: — RAMS-i eesmärke, mahte, nõudeid või spetsiifiliste raudteealaste rakenduste lahendusi; — raudteevaldkonna toodete selle standardi nõuetele vastavuse sertifitseerimise nõudeid või protsesse; — raudteealaga seotud osapoolte heakskiiduprotsessi. See dokument on rakendatav raudteealastele rakendustele, nimelt juhtkäskude ja signaalimise süsteemidele, veeremile ja püsipaigaldistele ning konkreetselt: • RAMS-i spetsifikatsioonile ja esitlusviisile kõikide raudteealaste rakenduste korral ning selliste rakenduste kõikidel tasanditel alates terviklikest raudteesüsteemidest kuni suuremate süsteemideni ning nende peamiste süsteemide üksikute ja kombineeritud allsüsteemide ning komponentide (sealhulgas tarkvara sisaldavate) korral, eelkõige: — uutele süsteemidele; — uutele süsteemidele, mida integreeritakse juba heaks kiidetud olemasolevatesse süsteemidesse, kuid ainult selles ulatuses ning senikaua, kuni uut, uue funktsionaalsusega süsteemi integreeritakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; — niivõrd, kuivõrd see on mõistlikult teostatav, olemasolevate süsteemide muudatustele ja laiendustele, mis on juba heaks kiidetud, kuid üksnes sellises ulatuses, kuivõrd olemasolevaid süsteeme muudetakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; • kõigis rakenduse elutsükli asjakohastes etappides; • kasutamiseks raudteevaldajatele ja raudteevaldkonna tarnijatele. Selle standardi rakendamine ei ole nõutav olemasolevate, mittemuudetavate süsteemide korral, sealhulgas nende süsteemide korral, mis juba vastavad varasematele selle dokumendi versioonide nõetele. Selles Euroopa standardis kirjeldatud protsess eeldab, et raudteede valdajad ja tarnijad omavad ettevõtte tasemel kvaliteedi, toimivuse ja ohutuse tagamise tegevuspõhimõtteid. Selles standardis defineeritud lähenemisviis vastab standardis EN ISO 9001 esitatud kvaliteedijuhtimise nõuetele.

Keel: en, et
Alusdokumendid: EN 50126-1:2017; EN 50126-1:2017/A1:2024
Konsolideerib dokumenti: EVS-EN 50126-1:2017
Konsolideerib dokumenti: EVS-EN 50126-1:2017/A1:2024

EVS-EN 50522:2022/A1:2024

Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine
Earthing of power installations exceeding 1 kV a.c.

Standardi EVS-EN 50522:2022 muudatus.

Keel: en, et
Alusdokumendid: EN 50522:2022/A1:2024
Muudab dokumenti: EVS-EN 50522:2022

EVS-EN 50522:2022+A1:2024

Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine
Earthing of power installations exceeding 1 kV a.c.

Selles dokumendis määratakse võrkudes nimivahelduvpingega üle 1 kV ja nimisagedusega kuni 60 Hz paiknevate elektripaigaldiste maandussüsteemide projekteerimise ja ehitamise nõuded, et tagada ettenähtud kasutamise ohutus ja nõuetekohane toimivus. MÄRKUS Selle dokumendi tehnilisi ja protseduurilisi põhimõtteid saab rakendada, kui kolmandate poolte paigaldisi ja rajatisi kavandatakse ja/või ehitatakse kõrgepinge tugevvoolupaigaldiste lähedusse. Selles dokumendis mõistetakse tugevvoolupaigaldiste all järgmisi paigaldisi: a) alajaamad, sealhulgas elektriraudtee toitealajaamad; b) elektripaigaldised postidel, mastidel ja tornides; väljaspool suletud elektrikäiduala paiknevad jaotlad ja/või trafod; c) ühessamas paigas asuv(ad) üks (või mitu) elektrijaamaplokk(i); tugevvoolupaigaldis sisaldab generaatoreid ja trafosid koos kõigi selle juurde kuuluvate jaotlate ja kõigi abivooluahelatega; eri paikades asuvate elektrijaamaplokkide vahelised ühendused siia hulka ei kuulu; d) tehaste, tootmisettevõtete või muude tööstuslike, põllumajanduslike, kaubanduslike või avalike asutuste elektrivõrgud; e) tugevvoolupaigaldised avamererajatistel elektrienergia tootmiseks, ülekandeks, jaotamiseks ja/või salvestamiseks; f) õhuliinide ja maa-aluste liinide vahelised siirdemastid. Tugevvoolupaigaldisse kuuluvad muu hulgas järgmised seadmed: — pöörlevad elektrimasinad; — jaotlad; — trafod ja reaktorid; — muundurid; — kaablid; — juhistikud; — akupatareid; — kondensaatorid; — maandussüsteemid; — suletud elektrikäiduala koostisse kuuluvad hooned ja tarad; — juurdekuuluvad kaitse-, juhtimis- ja abisüsteemid; — suured õhksüdamikreaktorid. MÄRKUS 2 Üldjuhul on seadmestandard selle dokumendi suhtes ülimuslik. Seda dokumenti ei rakendata järgmiste tugevvoolupaigaldiste maandussüsteemide projekteerimisel ja ehitamisel: — eri paigaldiste vahelised õhuliinid ja maa-alused liinid; — elektriraudteed ja veerem; — kaevandusseadmed ja -paigaldised; — luminofoorlamppaigaldised; — standardile IEC 60092 (kõik osad) vastavad laevade elektripaigaldised ja standardile IEC 61892 (kõik osad) vastavad mandrilavapaigaldised, mida kasutatakse avamere naftatööstuses puurimiseks, töötlemiseks ja ladustamiseks; — elektrostaatilised seadmed (nt elektrifiltrid, elektrostaatilised värvipihustid); — katsetamispaigad; — meditsiiniseadmed, nt meditsiinilised röntgenseadmed. MÄRKUS 3 Standardisari EN 50341 „Elektriõhuliinid vahelduvpingega üle 1 kV“ määratleb õhuliinide maandussüsteemide konstruktsiooni ja ehitamise nõuded. MÄRKUS 4 Selle dokumendi käsitlusala ei sisalda nõudeid pingealuste tööde sooritamise kohta tugevvoolupaigaldistes. MÄRKUS 5 Selle dokumendi käsitlusala käsitleb kõrgepingepaigaldiste ohutusnõudeid ja nende mõju madalpingepaigaldistele. Kuni 1 kV elektripaigaldisele kehtib harmoneerimisdokumendi HD 60364 sari.

Keel: en, et
Alusdokumendid: EN 50522:2022; EN 50522:2022/A1:2024
Konsolideerib dokumenti: EVS-EN 50522:2022
Konsolideerib dokumenti: EVS-EN 50522:2022/A1:2024

EVS-EN 50617-1:2024

Railway applications - Technical parameters of train detection systems for the interoperability of the trans-European railway system - Part 1: Track circuits

This document specifies the technical parameters of track circuits associated with the interference current emissions limits for RST in the context of interoperability defined in the form of Frequency Management in ERA/ERTMS/033281 v4.0. The limits for compatibility between rolling stock and track circuits addressed in this document allow provision for known interference phenomena linked to traction power supply including associated protection (over voltage, short-circuit current and basic transient effects like in-rush current and power cut-off), and other known sources of interference. This document is intended to be used to assess compliance of track circuits and other forms of train detection systems using the rails as part of their detection principles, in the context of the European Directive on the interoperability of the trans-European railway system and the associated technical specification for interoperability relating to the control-command and signalling track-side subsystems. The document describes technical parameters to consider for achieving the compatibility of the track circuit with the emissions limits defined in the frequency management for rolling stock (ERA/ERTMS/033281 v4.0). These parameters are structured and allocated according to their basic references as follows: - technical track circuit parameters; - train based parameters; - track based parameters; - environmental and other parameters including EMC. Each parameter is defined by a short general description, the definition of the requirement, the relation to other standards and a procedure to show the fulfilment of the requirement as far as necessary. An overview of the safety relevance of each parameter is given - in the context of this document - in a separate table. This document is applicable to track circuits on all lines, including non-electrified lines. However, for track circuits intended to be installed only on non-electrified lines, some parameters can be disapplied.

Keel: en
Alusdokumendid: EN 50617-1:2024
Asendab dokumenti: EVS-EN 50617-1:2015

EVS-EN IEC 60317-27-1:2020/A1:2024

Specifications for particular types of winding wires - Part 27-1: Paper tape covered round copper wire

Amendment to EN IEC 60317-27-1:2020

Keel: en
Alusdokumendid: IEC 60317-27-1:2020/AMD1:2024; EN IEC 60317-27-1:2020/A1:2024
Muudab dokumenti: EVS-EN IEC 60317-27-1:2020

EVS-EN IEC 60335-2-80:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-80: Erinõuded ventilaatoritele
Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

IEC 60335-2-80:2015(E) deals with the safety of electric fans for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. Examples of fans that are within the scope of this standard are ceiling fans; duct fans; partition fans; pedestal fans and table fans. This standard also applies to separate controls supplied with fans. Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard. As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account persons (including children) whose physical, sensory or mental capabilities; or lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction. It also does not take into account children playing with the appliance. It was established on the basis of the fifth edition (2010) of that standard. This third edition cancels and replaces the second edition published in 2002, its Amendment 1 (2007) and its Amendment 2 (2011). It constitutes a technical revision. The principal changes in this edition as compared with the second edition of IEC 60335-2-80 are as follows (minor changes are not listed): - added definition for ceiling fan suspension system (3.102); - added instructions for ceiling fan maintenance (7.12); - added instructions for ceiling fan installation (7.12.1); - added entrapment assessment criteria for table and pedestal fan with a fan head that oscillates in the up-down direction (20.102); - added requirements for insulation of pre-installed internal wiring used to supply attached luminaires (22.101); - added suspension system failure protection requirements for ceiling fans (22.102); - added motor brush wear requirements (27.3). The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this standard be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of its publication.

Keel: en
Alusdokumendid: EN IEC 60335-2-80:2024; IEC 60335-2-80:2015
Asendab dokumenti: EVS-EN 60335-2-80:2003
Asendab dokumenti: EVS-EN 60335-2-80:2003/A1:2004
Asendab dokumenti: EVS-EN 60335-2-80:2003/A2:2009

EVS-EN IEC 61812-1:2024

Aja- ja sidereleed tööstuslikuks ning olmekasutuseks. Osa 1: Nõuded ja katsetused
Time relays and coupling relays for industrial and residential use - Part 1: Requirements and tests

This part of the IEC 61812 series applies to time relays and coupling relays for industrial applications (e.g. control, automation, signal and industrial equipment) and for automatic electrical controls for use in, on, or in association with equipment for residential and similar use. The term "relay" as used in this document comprises all types of relays with specified time functions and coupling relays, other than measuring relays. This document defines type test and routine test to confirm the service condition.

Keel: en
Alusdokumendid: IEC 61812-1:2023; EN IEC 61812-1:2024
Asendab dokumenti: EVS-EN 61812-1:2011

EVS-EN IEC 62314:2024

Tahkisreleed. Ohutusnõuded
Solid-state relays - Safety requirements

This International Standard applies to particular all-or-nothing electrical relays denominated solid-state relays intended for performing electrical operations by single step function changes to the state of electric circuits between the OFF-state and the ON-state and vice versa. This document deals with solid-state relays which are intended for incorporation in other products or equipment. As such, solid-state relays are considered to be components and this document defines the basic safety-related and functional requirements for solid-state relays as stand-alone components. Such solid-state relays are incorporated in products or equipment which themselves have to comply with the relevant product and/or application standard(s) to meet their intended application. The following are examples of such applications: - general industrial equipment; - electrical facilities; - electrical machines; - electrical appliances; - office communications; - building automation and environmental control; - automation and process control; - electrical installation engineering; - medical engineering; - telecommunications; - vehicle engineering; - transportation engineering; - lighting control. Where the component is intended to be incorporated into the equipment by the final user without EMC knowledge, an assessment for EMC compliance is available. There are no EMC requirements for solid state relays intended for incorporation into the equipment by the equipment manufacturer, because the performance strongly depends on the application into the equipment. Solid-state switching devices with monolithic structures fall within the scope of IEC sub195 committee 47E and are not covered in this document. Semiconductor controllers and contactors fall within the scope of the IEC

60947 series of standards - Low-voltage switchgear and controlgear - developed by IEC subcommittee 121A and are not covered in this document. Compliance with the requirements of this document is verified by the type tests and routine tests indicated. The object of this document is to state: - the characteristics of solid-state relays; - the requirements which solid-state relays shall comply with reference to a) their operation and behaviour; b) their 205 dielectric properties; - the tests verifying that the requirements have been met, and the test methods to be adopted; - the information to be given with the solid-state relay or in the manufacturer's documentation.

Keel: en
Alusdokumendid: IEC 62314:2022; EN IEC 62314:2024
Asendab dokumenti: EVS-EN 62314:2008

EVS-EN IEC 62471-7:2023/AC:2024

Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation

Corrigendum to EN IEC 62471-7:2023

Keel: en
Alusdokumendid: EN IEC 62471-7:2023/AC:2024-11; IEC 62471-7:2023/COR2:2024
Parandab dokumenti: EVS-EN IEC 62471-7:2023

EVS-EN IEC 62770:2024

Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment

IEC 62770:2024 describes specifications and test methods for unused natural esters in transformers and similar liquid-immersed electrical equipment in which a liquid is required as an insulating and heat transfer medium. The exposure of natural ester to air leads to deterioration of the insulating liquid. Use of natural esters is therefore restricted to sealed units, or with the conservator tank protected from the contact with atmosphere by a membrane or other suitable system.

Keel: en
Alusdokumendid: IEC 62770:2024; EN IEC 62770:2024
Asendab dokumenti: EVS-EN 62770:2014

EVS-EN IEC 63044-5-1:2019/A1:2024

Kodu- ja hooneelektroonikasüsteemid ning hoone automaatika- ja juhtimissüsteemid. Osa 5-1: Elektromagnetilise ühilduvuse nõuded, tingimused ja katsetamisviisid
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up

Amendment to EN IEC 63044-5-1:2019

Keel: en
Alusdokumendid: IEC 63044-5-1:2017/AMD1:2022; EN IEC 63044-5-1:2019/A1:2024
Muudab dokumenti: EVS-EN IEC 63044-5-1:2019

EVS-EN IEC 63044-5-2:2019/A1:2024

Kodu- ja hooneelektroonikasüsteemid ning hoone automaatika- ja juhtimissüsteemid. Osa 5-2: Elektromagnetilise ühilduvuse nõuded kodu- ja hooneelektroonikasüsteemidele ning hoone automaatika- ja juhtimissüsteemidele, mida kasutatakse olme-, kaubandus- ja väiketööstuskeskkondades
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments

Amendment to EN IEC 63044-5-2:2019

Keel: en
Alusdokumendid: IEC 63044-5-2:2017/AMD1:2022; EN IEC 63044-5-2:2019/A1:2024
Muudab dokumenti: EVS-EN IEC 63044-5-2:2019

31 ELEKTROONIKA

EVS-EN IEC 60512-28-100:2024

Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2 000 MHz - Tests 28a to 28g

IEC 60512-28-100:2024 specifies the test methods for signal integrity and transmission performance for connectors specified in respective parts of IEC 60603-7, IEC61076-1, IEC 61076-2, IEC 61076-3 and IEC 63171 series of standards for connecting hardware applications from 0,1 MHz up to 2 000 MHz, with reference to this document. Note: This document is also suitable for testing signal integrity and transmission performance of connectors up to a lower value of maximum frequency; however, the test methodology specified in the detail specification for any given connector remains the reference conformance test for that connector. The list of connector series of standards does not preclude referencing this document in other connector manufacturer's specifications or published standards. Test procedures provided herein are: - insertion loss, test 28a; - return loss, test 28b; -

near-end crosstalk (NEXT) test 28c; - far-end crosstalk (FEXT), test 28d; - transverse conversion loss (TCL), test 28f; - transverse conversion transfer loss (TCTL), test 28g. Other test procedures referenced herein are: - shield transfer impedance (ZT), see IEC 60512-26-100, test 26e. - coupling attenuation (aC), see IEC 62153-4-7 and IEC 62153-4-12. - low frequency coupling attenuation (aCLF) see IEC 62153-4-7 and IEC 62153-4-15 This edition includes the following significant technical changes with respect to the previous edition: -The frequency range has been modified to start at 0,1 MHz instead of 1 MHz, to include single-pair connectors. -All tables and requirements have been revised down to 0,1 MHz, and partially improved to reduce the impact of the test fixture. -Formulae to calculate the S-parameters from single-ended parameters have been added. -A note was added for those parameters which are not applicable to single-pair connectors.

Keel: en
Alusdokumendid: IEC 60512-28-100:2024; EN IEC 60512-28-100:2024
Asendab dokumenti: EVS-EN IEC 60512-28-100:2019

EVS-EN IEC 60747-16-9:2024

Semiconductor devices - Part 16-9: Microwave integrated circuits - Phase shifters

IEC 60747-16-9:2024 specifies the terminology, essential ratings, and characteristics, and measuring methods of microwave integrated circuit phase shifters.

Keel: en
Alusdokumendid: IEC 60747-16-9:2024; EN IEC 60747-16-9:2024

EVS-EN IEC 62471-7:2023/AC:2024

Photobiological safety of lamps and lamp systems - Part 7: Light sources and luminaires primarily emitting visible radiation

Corrigendum to EN IEC 62471-7:2023

Keel: en
Alusdokumendid: EN IEC 62471-7:2023/AC:2024-11; IEC 62471-7:2023/COR2:2024
Parandab dokumenti: EVS-EN IEC 62471-7:2023

EVS-EN ISO 14880-3:2024

Optics and photonics - Microlens arrays - Part 3: Test methods for optical properties other than wavefront aberrations (ISO 14880-3:2024)

This document specifies methods for testing optical properties, other than wavefront aberrations[1] of microlenses in microlens arrays. It is applicable to microlens arrays with very small lenses formed on one or more surfaces of a common substrate and to graded-index microlenses.

Keel: en
Alusdokumendid: ISO 14880-3:2024; EN ISO 14880-3:2024
Asendab dokumenti: EVS-EN ISO 14880-3:2006

EVS-EN ISO 14880-4:2024

Optics and photonics - Microlens arrays - Part 4: Test methods for geometrical properties (ISO 14880-4:2024)

This document specifies methods for testing geometrical properties of microlenses in microlens arrays. It is applicable to microlens arrays with very small lenses formed on one or more surfaces of a common substrate and to graded-index microlenses.

Keel: en
Alusdokumendid: ISO 14880-4:2024; EN ISO 14880-4:2024
Asendab dokumenti: EVS-EN ISO 14880-4:2006

33 SIDETEHNIKA

EVS-EN 16803-4:2024

Space - Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) - Part 4 : Definitions and system engineering procedures for the design and validation of test scenarios

Scope of this NWI is to give keys and to propose methods to GNSS-specialized laboratories, enabling them to design and produce valuable scenario using the "record and replay" technique in order to assess GNSS-based positioning system. Already published parts (1-2-3) are mainly dedicated to respectively : -Definitions and system engineering procedures for the establishment and assessment of performances -Assessment of basic performances of GNSS-based positioning terminals -Assessment of security performances of GNSS-based positioning terminals Part4- Definitions and system engineering procedures for the design and validation of test scenarios- will be based on outcomes from GPSTART2 (SA-CEN/2018-12) which was funded by EC to tackle this specific focus (among others).

Keel: en
Alusdokumendid: EN 16803-4:2024

EVS-EN 301 489-28 V2.1.1:2024

Elektromagnetilise ühilduvuse (EMC) standard raadioseadmetele ja teenustele; Osa 28. Eritingimused juhtmeta digitaalsetele vidolinkidele; Elektromagnetilise ühilduvuse harmoneeritud standard
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 28: Specific conditions for wireless digital video links; Harmonised Standard for ElectroMagnetic Compatibility

The present document specifies the applicable test conditions, performance assessment and performance criteria for wireless digital video links operating in the frequency band 1,3 GHz to 50 GHz and the associated ancillary equipment, in respect of electromagnetic compatibility. Technical specifications related to the antenna port and emissions from the enclosure port of the radio equipment are not included in the present document. Such technical specifications are found in the relevant product standard for the effective use of the radio spectrum, see table 1. Table 1: Radio Technologies in scope of the present document Technology; ETSI Standard Wireless Video Links operating in the 1,3 GHz to 50 GHz frequency band; ETSI EN 302 064 Technical specifications related to conducted emission EMC requirements below 9 kHz on the AC mains port of radio equipment are not included in the present document. NOTE 1: Such technical specifications are normally found in the relevant product family standards for AC mains powered equipment (e.g. EN IEC 61000-3-2/A2 and EN 61000-3-3/A2). NOTE 2: The relationship between the present document and essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 301 489-28 V2.1.1

EVS-EN 301 489-52 V1.3.1:2024

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

The present document specifies the applicable test conditions, performance assessment, and performance criteria for Cellular Communication User Equipment (UE), including Customer Premise Equipment (CPE), Set Top Box (STB) containing cellular communication technologies, and the associated ancillary equipment in respect of ElectroMagnetic Compatibility (EMC) for equipment utilizing the technologies in table 1. Table 1: Technologies User Equipment (UE) radio and ancillary equipment Cellular Communication Cellular Mobile Communication Technology; Technology Generation; Standard Set; ETSI Deliverable Global System for Mobile communications (GSM); 2G/3G; IMT-2000 SC single carrier; ETSI EN 301 511 CDMA Multi-Carrier (cdma2000); 2G/3G; IS-95/CDMA2000 - IMT-MC multi-carrier; ETSI EN 301 908-4 CDMA Direct Spread (UTRA FDD); 3G; IMT-2000 Direct Spread; ETSI EN 301 908-2 Evolved Universal Terrestrial Radio Access (E-UTRA); 4G; IMT-advanced; ETSI EN 301 908-13 New Radio (NR); 5G; IMT-2020; ETSI TS 138 521-1, ETSI TS 138 521-2, ETSI TS 138 521-3 Technical specifications related to the antenna port of radio equipment, radiated emissions from the enclosure port of radio equipment, and combinations of radio and associated ancillary equipment are not included in the present document. Such technical specifications are normally found in the relevant product standards for the effective use of the radio spectrum. NOTE 1: The relationship between the present document and the essential requirements of article 3.1(b) of Directive 2014/53/EU is given in annex A. NOTE 2: The present document does not cover the radio base stations as specified in ETSI EN 301 489-50. Technical specifications related to conducted emission EMC requirements below 9 kHz on the AC mains port of radio equipment are not included in the present document. NOTE 3: Such technical specifications are normally found in the relevant product family standards for AC mains powered equipment (e.g. EN 61000-3-2 and EN 61000-3-3).

Keel: en
Alusdokumendid: ETSI EN 301 489-52 V1.3.1

EVS-EN 303 800-5 V1.1.1:2024

Environmental Engineering (EE); Assessment of material efficiency of ICT network infrastructure goods (circular economy); Part 5: Server and data storage product disassembly and disassembly instruction

The present document specifies methods to measure the ability of the following products to be disassembled: 1) servers; 2) data storage equipment. The present document covers: i) The ability to disassemble, with particular regard to assessing that joining, fastening or sealing techniques do not prevent the disassembly for repair or reuse purposes. ii) The provision of instructions on the disassembly operations, including the type of operation, the type and number of fastening technique(s) to be unlocked and the tool(s) required. The following products are out of scope of the present document: • servers intended for embedded applications; • servers classified as small-scale servers in terms of Regulation (EU) No 617/2013; • servers with more than four processor sockets; • server appliances; • large servers; • fully fault tolerant servers; • network servers; • small data storage products; • large data storage products. The decision whether a product should be repaired, reused or upgraded, is out of scope. It is dependent on a range of factors including the various environmental aspects and other relevant considerations, such as safety and health, technical requirements for functionality, quality and performance of the server or storage product. NOTE: See Directive 2009/125/EC.

Keel: en
Alusdokumendid: ETSI EN 303 800-5 V1.1.1

EVS-EN 319 412-4 V1.3.2:2024

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

The present document specifies a certificate profile for web site certificates that are accessed by the TLS protocol. The profile defined in the present document builds on the CA/Browser Forum Baseline requirements, Extended validation guidelines and other parts of the present multi-part deliverable. The present document focuses on requirements on certificate content. Requirements on decoding and processing rules are limited to aspects required to process certificate content defined in the present document. Further processing requirements are only specified for cases where it adds information that is necessary for the sake of interoperability. This profile can be used for legal and natural persons. For certificates issued to legal persons, the profile builds on the CAB Forum EV Profile or baseline requirements. For certificates issued to natural persons, the profile builds only on CAB Forum baseline requirements.

Keel: en
Alusdokumendid: ETSI EN 319 412-4 V1.3.2

35 INFOTEHNOLOOGIA

CEN ISO/TS 19144-3:2024

Geographic information - Classification systems - Part 3: Land Use Meta Language (LUML) (ISO/TS 19144-3:2024)

This document specifies a Land Use Meta Language (LUML) expressed as a UML metamodel that allows different Land Use classification systems to be described. This document recognizes that there are a number of Land Use classification systems in existence. It provides a common reference structure for the comparison and integration of data for any generic Land Use classification system, but does not intend to replace those classification systems. This document complements ISO 19144-2 on Land Cover Meta Language (LCML) and can be used independently to describe Land Use or together with ISO 19144-2 to describe a combined Land Cover Land Use.

Keel: en
Alusdokumendid: ISO/TS 19144-3:2024; CEN ISO/TS 19144-3:2024

CEN/CLC ISO/IEC/TS 12791:2024

Information technology - Artificial intelligence - Treatment of unwanted bias in classification and regression machine learning tasks (ISO/IEC TS 12791:2024)

This document describes how to address unwanted bias in AI systems that use machine learning to conduct classification and regression tasks. This document provides mitigation techniques that can be applied throughout the AI system life cycle in order to treat unwanted bias. This document is applicable to all types and sizes of organization.

Keel: en
Alusdokumendid: ISO/IEC TS 12791:2024; CEN/CLC ISO/IEC/TS 12791:2024

CEN/TR 16931-9:2024

Electronic invoicing - Part 9: VAT reporting and gap analysis with current e-invoicing standardization deliverables

The European Commission will in its project “VAT in the digital age” mandate that VAT reporting on intra-EU transactions is performed in near real time and based on EN 16931. This document defines the impact of this legislation on the various deliverables of CEN/TC 434, with a focus on the subset to be sent to tax authorities and how EN 16931-1 will need to be changed. NOTE 1 The ViDA proposal only applies to EU member states. This document does not define the subset of the electronic invoice to be sent to the authorities. NOTE 2 The definition of that subset is a task of the European Commission. As the subset message is not an invoice, but a VAT report, it is not regarded as a Core Invoice Usage Specification (CIUS). The subset therefore needs not to obey the rules for developing a CIUS. For example, not all mandatory elements in the invoice need to be part of the subset.

Keel: en
Alusdokumendid: CEN/TR 16931-9:2024

CLC/TS 50491-7:2024

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 7: IT security and data protection - User Guide

This document provides guidance to set-up and manage/update a cybersecure HBES/BACS connected to Internet. This document provides: 1) categories of HBES/BACS networks related to cybersecurity updates: - managed networks; - unmanaged networks; 2) risk analysis guide for the above-mentioned categories: - at device level for both managed and unmanaged networks; - at system level for managed ones only. For manufacturers, the document provides a classification based on the security levels from existing standards (ETSI EN 303 645, EN IEC 62443 (all parts)). For installers, system integrators and administrators of HBES/BACS this document provides guidance for each responsible actor, as listed below: - system integrators and administrators: - a generic method for assessment of the security risk for each product in the perspective of the overall system. The result of the evaluation gives the minimum required security level on product level corresponding to the manufacturer classification; - best practice measures on the system security level; - a guide to enhance the maturity level of the cyber security management process. - installers, system integrators and administrators: - a guide to select products to comply with the required security level during configuration and operation. In some commercial applications, dedicated standards can apply per country that are not covered by this document, e.g.: - fire (e.g. detection, alarm); - medical; - security applications: Intruder alarms, video surveillance, access

control; - critical infrastructure; - AAL (Active assisted living). For such applications not covered by this document the specification could be used as guidance.

Keel: en
Alusdokumendid: CLC/TS 50491-7:2024

EVS-EN 16803-4:2024

Space - Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) - Part 4 : Definitions and system engineering procedures for the design and validation of test scenarios

Scope of this NWI is to give keys and to propose methods to GNSS-specialized laboratories, enabling them to design and produce valuable scenario using the "record and replay" technique in order to assess GNSS-based positioning system. Already published parts (1-2-3) are mainly dedicated to respectively : -Definitions and system engineering procedures for the establishment and assessment of performances -Assessment of basic performances of GNSS-based positioning terminals -Assessment of security performances of GNSS-based positioning terminals Part4- Definitions and system engineering procedures for the design and validation of test scenarios- will be based on outcomes from GPSTART2 (SA-CEN/2018-12) which was funded by EC to tackle this specific focus (among others).

Keel: en
Alusdokumendid: EN 16803-4:2024

EVS-EN 17632-2:2024

Building information modelling (BIM) - Semantic modelling and linking (SML) - Part 2: Domain-specific modelling patterns

This document (part 2) provides extended standard semantic modelling patterns for (at least) the following domain-specific asset aspects: - support for distinction between two subtypes of physical objects: 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 materials like concrete, steel, wood and asphalt; - support for the interaction between objects including connections, interfaces and ports. Interactions being defined as activities where material, information, energy or forces are transferred; - support for the definition of unstructured, human-interpretable, requirements, coming from appointing party 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 SOSA ontology (as a lightweight but self-contained SSN core ontology); - support for spatial geometry (location/shape) reusing OGC GeoSPARQL (GML/WKT) and the WGS84_pos ontology (GPS).

Keel: en
Alusdokumendid: EN 17632-2:2024

EVS-EN IEC 61784-3-19:2024

Industrial communication networks - Profiles - Part 3-19: Functional safety fieldbuses - Additional specifications for CPF 19

IEC 61784-3-19:2024 specifies a safety communication layer (services and protocol) based on IEC 61784-1-19, IEC 61784-2-19 and the IEC 61158 series (Type 24 and Type 27). It identifies the principles for functional safety communications defined in IEC 61784-3 that are relevant for this safety communication layer. This safety communication layer is intended for implementation in safety devices only. NOTE 1 It does not cover electrical safety and intrinsic safety aspects. Electrical safety relates to hazards such as electrical shock. Intrinsic safety relates to hazards associated with potentially explosive atmospheres. This document defines mechanisms for the transmission of safety-relevant messages among participants within a distributed network using fieldbus technology in accordance with the requirements of the IEC 61508 series for functional safety. These mechanisms can be used in various industrial applications such as process control, manufacturing automation and machinery. This document provides guidelines for both developers and assessors of compliant devices and systems. NOTE 2 The resulting SIL claim of a system depends on the implementation of the selected functional safety communication profile within this system – implementation of a functional safety communication profile according to this document in a standard device is not sufficient to qualify it as a safety device.

Keel: en
Alusdokumendid: IEC 61784-3-19:2024; EN IEC 61784-3-19:2024

45 RAUDTEETEHNIKA

EVS-EN 14601:2024

Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe

This document is applicable to manually operated end cocks designed to cut-off the brake pipe and the main reservoir pipe of the air brake and compressed air system of rail vehicles; without taking the type of vehicles and track-gauge into consideration. This document specifies requirements for the design, dimensions, testing and certification (qualification and/or type test), and marking.

Keel: en
Alusdokumendid: EN 14601:2024
Asendab dokumenti: EVS-EN 14601:2005+A2:2021

EVS-EN 45545-6:2024

Raudteealased rakendused. Raudteeveeremi tuleohutus. Osa 6: Tulekahjusignalisatsioonisüsteem
Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

This document specifies requirements for fire detection, alarm systems, equipment shutdown, information and communication systems, emergency brake systems and fire fighting systems to cover the objectives specified in EN 45545-1:2013. The measures and requirements specified in this document aim to protect passengers and staff in railway vehicles in the event of a fire on board by alerting staff and passengers to a fire, delaying the fire development and controlling the movement of smoke. It is not within the scope of this document to describe measures that ensure the preservation of the railway vehicles in the event of a fire. This document is applicable to railway vehicles specified in EN 45545-1:2013.

Keel: en
Alusdokumendid: EN 45545-6:2024
Asendab dokumenti: EVS-EN 45545-6:2013

EVS-EN 50126-1:2017/A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

Muudatus standardile EN 50126-1:2017

Keel: en, et
Alusdokumendid: EN 50126-1:2017/A1:2024
Muudab dokumenti: EVS-EN 50126-1:2017

EVS-EN 50126-1:2017+A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

See dokument • käsitleb RAMS-i, mida mõistetakse kui töökindlust, kasutatavust, hooldatavust ja ohutust ning nende omavahelist seostatud toimimist; • käsitleb RAMS-i elutsükli üldiseid aspekte. Selles osas olevaid juhiseid võib kasutada konkreetsete standardite rakendamisel; • määratleb: — RAMS-i juhtimise protsessi, mis põhineb süsteemi elutsüklil ja selle sisestel toimingutel; — süsteemse, vaadeldava süsteemi suuruse ja liigiga kohaldatava protsessi RAMS-i nõuete määratlemiseks ja nende nõuete täitmise esitlemiseks; • käsitleb raudtee spetsiifikat; • võimaldab RAMS-i elementide vaheliste konfliktide efektiivset haldamist ja juhtimist; • ei määratle: — RAMS-i eesmärke, mahte, nõudeid või spetsiifiliste raudteealaste rakenduste lahendusi; — raudteevaldkonna toodete selle standardi nõuetele vastavuse sertifitseerimise nõudeid või protsesse; — raudteealaga seotud osapoolte heakskiiduprotsessi. See dokument on rakendatav raudteealastele rakendustele, nimelt juhtkäskude ja signaalimise süsteemidele, veeremile ja püsipaigaldistele ning konkreetselt: • RAMS-i spetsifikatsioonile ja esitlusviisile kõikide raudteealaste rakenduste korral ning selliste rakenduste kõikidel tasanditel alates terviklikest raudteesüsteemidest kuni suuremate süsteemideni ning nende peamiste süsteemide üksikute ja kombineeritud allsüsteemide ning komponentide (sealhulgas tarkvara sisaldavate) korral, eelkõige: — uutele süsteemidele; — uutele süsteemidele, mida integreeritakse juba heaks kiidetud olemasolevatesse süsteemidesse, kuid ainult selles ulatuses ning senikaua, kuni uut, uue funktsionaalsusega süsteemi integreeritakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; — niivõrd, kuivõrd see on mõistlikult teostatav, olemasolevate süsteemide muudatustele ja laiendustele, mis on juba heaks kiidetud, kuid üksnes sellises ulatuses, kuivõrd olemasolevaid süsteeme muudetakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; • kõigis rakenduse elutsükli asjakohastes etappides; • kasutamiseks raudteevaldajatele ja raudteevaldkonna tarnijatele. Selle standardi rakendamine ei ole nõutav olemasolevate, mittemuudetavate süsteemide korral, sealhulgas nende süsteemide korral, mis juba vastavad varasematele selle dokumendi versioonide nõetele. Selles Euroopa standardis kirjeldatud protsess eeldab, et raudteede valdajad ja tarnijad omavad ettevõtte tasemel kvaliteedi, toimivuse ja ohutuse tagamise tegevuspõhimõtteid. Selles standardis defineeritud lähenemisviis vastab standardis EN ISO 9001 esitatud kvaliteedijuhtimise nõuetele.

Keel: en, et
Alusdokumendid: EN 50126-1:2017; EN 50126-1:2017/A1:2024
Konsolideerib dokumenti: EVS-EN 50126-1:2017
Konsolideerib dokumenti: EVS-EN 50126-1:2017/A1:2024

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3487:2024

Aerospace series - Steel X6CrNiTi18-10 (1.4541) - Air melted - Softened - Bars for machining - a or D ≤ 250 mm - 500 MPa ≤ Rm ≤ 700 MPa

This document specifies the requirements relating to: Steel X6CrNiTi18-10 (1.4541) Air melted Softened Bars for machining a or D ≤ 250 mm 500 MPa ≤ Rm ≤ 700 MPa for aerospace applications. W.nr: 1.4541. ASD-STAN designation: FE-PA3601.

Keel: en
Alusdokumendid: EN 3487:2024

Asendab dokumenti: EVS-EN 3487:2008

EVS-EN 4165-005:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 005: Stackable mounting receptacle 2 and 4 modules, series 3 - Product standard

This document specifies the stackable mounting receptacles series 3, for 2 or 4 modules used in the family of rectangular electrical modular connectors, operating temperature 175 °C continuous. The plugs, flight caps and accessories corresponding to those receptacles are specified in EN 4165 002.

Keel: en
Alusdokumendid: EN 4165-005:2024
Asendab dokumenti: EVS-EN 4165-005:2007

EVS-EN 4165-006:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 006: Plug for 2 and 4 modules, series 2 - Product standard

This document specifies the plugs series 2, for 2 and 4 modules used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The receptacles and accessories corresponding to those plugs are specified in EN 4165 002.

Keel: en
Alusdokumendid: EN 4165-006:2024
Asendab dokumenti: EVS-EN 4165-006:2007

EVS-EN 4165-007:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 007: Plug for 2 and 4 modules, series 3 - Product standard

This document specifies the plug series 3, for 2 and 4 modules used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The receptacles and accessories corresponding to those plugs are specified in EN 4165 002.

Keel: en
Alusdokumendid: EN 4165-007:2024
Asendab dokumenti: EVS-EN 4165-007:2007

EVS-EN 4165-008:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 008: Rack and panel plug for 2 and 4 modules, series 2 - Product standard

This document specifies the rack and panel plug for 2 and 4 modules, series 2 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The receptacles and accessories corresponding to those plugs are specified in EN 4165-002.

Keel: en
Alusdokumendid: EN 4165-008:2024
Asendab dokumenti: EVS-EN 4165-008:2007

EVS-EN 4165-010:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 010: Rack and panel rear mounted plug for 2 and 4 modules, series 2 - Product standard

This document specifies the rack and panel rear mounted plug 2 and 4 modules, series 2 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The receptacles and accessories corresponding to those plugs are specified in EN 4165-002.

Keel: en
Alusdokumendid: EN 4165-010:2024
Asendab dokumenti: EVS-EN 4165-010:2007

EVS-EN 4165-011:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 011: Flange mounting receptacle 2 and 4 modules, series 2 - Product standard

This document specifies the flange mounting receptacles 2 and 4 modules, series 2 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The plugs, flight caps and accessories corresponding to those receptacles are specified in EN 4165-002.

Keel: en
Alusdokumendid: EN 4165-011:2024
Asendab dokumenti: EVS-EN 4165-011:2007

EVS-EN 4165-013:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 - Product standard

This document specifies cable clamps for 2 and 4 module connectors, series 2 and series 3 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous.

Keel: en
Alusdokumendid: EN 4165-013:2024
Asendab dokumenti: EVS-EN 4165-013:2016

EVS-EN 4165-016:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 016: Double oval chimney for accessory (1 per 2 modules) - Product standard

This document specifies the oval chimneys for accessories for accessories used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The connector accessory body corresponding to those oval chimneys is specified in EN 4165-014.

Keel: en
Alusdokumendid: EN 4165-016:2024
Asendab dokumenti: EVS-EN 4165-016:2005

EVS-EN 4165-017:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 017: Blank chimney for accessory (1 per module cavity) - Product standard

This document specifies the blank chimneys (1 per module cavity) for accessories used in the family of rectangular electrical connectors, operating temperature 175 °C continuous. The connector accessory body corresponding to those blank chimneys is specified in EN 4165-014.

Keel: en
Alusdokumendid: EN 4165-017:2024
Asendab dokumenti: EVS-EN 4165-017:2005

EVS-EN 4165-026:2024

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 026: Accessories for single module connector - Product standard

This document specifies accessories of single modules connectors according to EN 4165 024 and EN 4165 025 used in the family of rectangular electrical connectors, operating temperature 175 °C continuous.

Keel: en
Alusdokumendid: EN 4165-026:2024
Asendab dokumenti: EVS-EN 4165-026:2018

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 9073-7:2024

Nonwovens - Test methods - Part 7: Determination of bending length (ISO 9073-7:2024)

This document specifies a method for determining the bending length of a nonwoven. A formula is given for calculating the flexural rigidity of the nonwoven material from the bending length. The method is not applicable to combination-type materials (composites or laminates) in which there can be a natural twist. NOTE This document describes a test method specific to nonwovens.

Keel: en
Alusdokumendid: ISO 9073-7:2024; EN ISO 9073-7:2024
Asendab dokumenti: EVS-EN ISO 9073-7:2001

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 10334:2024

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Non-coated steel (blackplate)

This document specifies the maximum content for alloying and residual elements (see Table 1) present in steel (usually called blackplate) used in the manufacture of packaging and packaging components or for coated steel which, as a finished product, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food. For such use blackplate is normally coated but can be used uncoated for some fatty or dry products. The main examples of use are: - tinplate and electrolytic chromium/chromium oxide coated steel for the manufacture of food and beverage cans ; - cans for conditioning foodstuffs (sugar, tea, cake, chocolate, pasta, etc.) ; - non-mineral oil drums, kegs, barrels. The choice of material should be appropriate for the conditions of use. This standard applies to cold-rolled strips in the form a coil or sheets. This standard does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

Keel: en
Alusdokumendid: EN 10334:2024
Asendab dokumenti: EVS-EN 10334:2005

EVS-EN 10335:2024

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products or beverages for human and animal consumption - Non alloyed electrolytic chromium/chromium oxide coated steel

This document specifies the base steel to be used and the composition of the metallic coating to be used for the manufacture of lacquered electrolytic chromium/chromium oxide coated steel and articles which, as a finished product, are intended for use in direct contact with foodstuffs or products for human or animal consumption. The main examples of use are: - drinks cans, - food cans, - closures and ends. The material should be chosen in accordance with the conditions for its use. This standard does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human consumption or animal consumption.

Keel: en
Alusdokumendid: EN 10335:2024
Asendab dokumenti: EVS-EN 10335:2005

EVS-EN 16466-1:2024

Food authenticity - Isotopic analysis of acetic acid and water in vinegar - Part 1: 2H-NMR analysis of acetic acid

This document specifies an isotopic method to control the authenticity of vinegar and food containing vinegar as an ingredient (for example Aceto Balsamico di Modena), with a density below 1,28 g/cm3. This method is applicable on acetic acid of vinegar (from wine, cider, agricultural alcohol, etc.) in order to characterize the botanical origin of acetic acid and to detect adulterations of vinegar using synthetic acetic acid or acetic acid from a non-allowed origin (together with the method described in EN 16466 2). The isotopic analysis of the extracted acetic acid by 2H-NMR is based on a similar method already normalized for wine analysis[10].

Keel: en
Alusdokumendid: EN 16466-1:2024
Asendab dokumenti: EVS-EN 16466-1:2013

73 MÄENDUS JA MAAVARAD

CWA 18153:2024

Brine Valorisation - Recovery of minerals and metals from brines of seawater desalination plants

According to the European Critical Raw Material Act, the diversification of raw material supply chains is fostered. The Sea4Value project contributes to the diversification of raw materials sourcing and aims to secure the supply of raw materials from already existing sources. Brines produced in seawater desalination plants are multi-mineral and are an enormous potential source of minerals and metals as 19,744 plants are installed worldwide. By now, these brines are not broadly used for the extraction of (critical) raw materials, instead the brines are discarded. See Figure 1. The EU-funded Sea4Value project is the first attempt to recover minerals and metals from brines produced in seawater desalination plants (SWDP) in a cost-effective way. The main focus is on separating, concentrating and crystallising Molybdenum, Magnesium, Scandium, Vanadium, Gallium, Boron, Indium, Lithium, Rubidium and Calcium from brines, where they can be found in low concentrations. To do that, a multimineral and modular process is developed for brine valorisation. The implementation of brine valorisation in seawater desalination plants offers new business opportunities, which can bring value to markets, environment, and society. With this CEN Workshop, brine valorisation, i.e. brine mining, is to be standardised so that it can serve as a building block for a secure supply of raw materials in the future. To achieve this, it is necessary to remove the barriers to the introduction of a new process and new raw materials by ensuring reliability, knowledge transfer, and quality. Common standards help remove technical barriers to trade, open up markets and make businesses more competitive. This CEN Workshop Agreement (CWA) which has been developed by the CEN Workshop aims to provide guidance and recommendations on best practices for sustainable brine valorisation to ensure transfer of innovation into practice. The guidance refers on the processing of brines to recover minerals and metals and on the properties of the recovered minerals and metals. In order to achieve a common understanding, a language for describing brine valorisation needs to be developed as well as terms and system boundaries of brine valorisation need to be defined. Moreover, the CWA describes, explains, and agrees on the core process steps of brine valorisation. This includes advice on the fundamental prerequisites; pre-treatment, key (technologic) elements/methods and post-treatment are specified and recommendations for planning, design, implementation and operation are given. The CWA provides recommendations on good practice approaches, advice on the requirements of circularity in SWDP as well as considerations on environmental and economic impacts and evaluation. Besides the recommendations for the process of brine valorisation, recommendations are also be made for the recovered product, the minerals and metals, to ensure that the new products meet the market demand. The CEN Workshop Agreement is intended to be used by operators of seawater desalination plants, engineering companies, end-users, traders and distributer of recovered minerals and metals as well as government and environmental authorities. The CWA does not provide guidance and recommendations for sustainable valorisation of brines that are not produced in seawater desalination plants.

Keel: en
Alusdokumendid: CWA 18153:2024

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 12583:2022+A1:2024

Gas Infrastructure - Compressor stations - Functional requirements

This document describes the specific functional requirements for the design, construction, operation, maintenance and disposal activities for safe and secure gas compressor stations. This document applies to new gas compressor stations with a Maximum Operating Pressure (MOP) over 16 bar and with a total shaft power over 1 MW. For existing compressor stations, this document applies to new compressor units. Where changes/modifications to existing installations or gas composition take place, due account can be taken of the requirements of this document. This document does not apply to gas compressor stations or compressor units operating prior to the publication of this document. For existing sites this document can be used as guidance. The purpose of this document is to: — ensure the health and safety of the public and all site personnel; — cover environmental issues; — avoid incidental damage to nearby property; and — open the gas infrastructure to accommodate renewable gases, including a possible design for hydrogen. This document specifies common basic principles for the 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 conflicts in terms of more restrictive requirements in national legislation/regulation with the requirements of this document, the national legislation/regulation takes precedence as illustrated in CEN/TR 13737 (all parts). CEN/TR 13737 (all parts) gives: — clarification of all legislations/regulations applicable in a member state; — if appropriate, more restrictive national requirements; — a national contact point for the latest information. This document does not apply to: — off-shore gas compressor stations; — gas compressor stations for compressed gas filling-stations; — customer installations downstream of the point of custody transfer; — design and construction of driver packages (see Annex C); — mobile compressor equipment. For supplies to utility services such as small central heating boilers reference is made to EN 1775. Figure 1 shows a schematic representation of compressor stations in a gas infrastructure. For further information refer to Annexes A, B, C, D, E and F.

Keel: en
Alusdokumendid: EN 12583:2022+A1:2024
Asendab dokumenti: EVS-EN 12583:2022

EVS-EN 1426:2024

Bitumens and bituminous binders - Determination of needle penetration

This document specifies a method for the determination of the needle penetration of bitumens and bituminous binders. The standard procedure for the determination of the needle penetration (consistency) is described for penetrations up to (330 × 0,1) mm at a temperature of 25 °C. The method also allows for penetrations up to (500 × 0,1) mm using a longer needle. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 1426:2024
Asendab dokumenti: EVS-EN 1426:2015

EVS-EN ISO 16486-2:2024

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes (ISO 16486-2:2024)

This document specifies the physical and mechanical properties of pipes made from unplasticized polyamide (PA-U) in accordance with ISO 16486-1, intended to be buried and used for the supply of gaseous fuels. It also specifies the test parameters for the test methods to which it refers. The ISO 16486 series is applicable to PA-U piping systems, the components of which are connected by fusion jointing and/or mechanical jointing. In particular, this document lays down dimensional characteristics and requirements for the marking of pipes. Pipes conforming to this document are jointed typically by using mechanical, electrofusion or butt fusion techniques.

Keel: en
Alusdokumendid: ISO 16486-2:2024; EN ISO 16486-2:2024
Asendab dokumenti: EVS-EN ISO 16486-2:2020

77 METALLURGIA

EVS-EN 10205:2024

Cold reduced tinmill products - Blackplate

This document specifies requirements for blackplate product in the form of coils intended for direct use and mostly for the production of electrolytically zinc coated plate, or coils electrolytically coated with either tin (tinplate) or chromium/chromium oxide (ECCS or ECCS-RC). Blackplate can be a single or double reduced product and is specified in nominal thicknesses that are multiples of 0,005 mm from typical 0,10 mm up to 0,60 mm. This document applies to coils in nominal minimum widths of 600 mm. In addition to this document, the general technical delivery conditions of EN 10021 apply. NOTE Standard width coils for specific uses, e.g. tab stock, can be slit into narrow strip for supply in coil form.

Keel: en
Alusdokumendid: EN 10205:2024
Asendab dokumenti: EVS-EN 10205:2016

EVS-EN 10334:2024

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Non-coated steel (blackplate)

This document specifies the maximum content for alloying and residual elements (see Table 1) present in steel (usually called blackplate) used in the manufacture of packaging and packaging components or for coated steel which, as a finished product, are intended for use in direct contact with foodstuffs, products and beverages for human and pet food. For such use blackplate is normally coated but can be used uncoated for some fatty or dry products. The main examples of use are: - tinplate and electrolytic chromium/chromium oxide coated steel for the manufacture of food and beverage cans ; - cans for conditioning foodstuffs (sugar, tea, cake, chocolate, pasta, etc.) ; - non-mineral oil drums, kegs, barrels. The choice of material should be appropriate for the conditions of use. This standard applies to cold-rolled strips in the form a coil or sheets. This standard does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human or animal consumption.

Keel: en
Alusdokumendid: EN 10334:2024
Asendab dokumenti: EVS-EN 10334:2005

EVS-EN 10335:2024

Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products or beverages for human and animal consumption - Non alloyed electrolytic chromium/chromium oxide coated steel

This document specifies the base steel to be used and the composition of the metallic coating to be used for the manufacture of lacquered electrolytic chromium/chromium oxide coated steel and articles which, as a finished product, are intended for use in direct contact with foodstuffs or products for human or animal consumption. The main examples of use are: - drinks cans, - food cans, - closures and ends. The material should be chosen in accordance with the conditions for its use. This standard does not apply to categories of steel other than steel for packaging intended for use in contact with foodstuffs, products or beverages for human consumption or animal consumption.

Keel: en
Alusdokumendid: EN 10335:2024
Asendab dokumenti: EVS-EN 10335:2005

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 673:2024

Klaas ehitusmaterjalina. Soojusläbivuse (U väärtuse) määramine. Arvutusmeetod
Glass in building - Determination of thermal transmittance (U value) - Calculation method

See dokument määrab kindlaks arvutusmeetodi tasase ja paralleelsete pindadega klaasi soojusläbivuse määramiseks. See dokument kehtib katmata klaasile (sh struktuursete pindadega klaas, nt mustriline klaas), kaetud klaasile ja materjalidele, mis ei ole pikas infrapunakiirguses läbipaistvad, milleks on naatriumlubiklaasist tooted, boorsilikaatklaas, klaaskeraamika, leelismuldsilikaatklaas ja alumiiniumsilikaatklaas. See dokument kehtib ka sellistest klaasidest ja/või materjalidest mitmekordsete klaaspakettide kohta. See ei kehti mitmekordsetele klaaspakettidele, mille gaasiruumis on pikale infrapunakiirgusele läbipaistvad lehed või fooliumid. Selles dokumendis kirjeldatud protseduur määrab U väärtuse (soojusläbivuse) klaaspinna keskosas. Hõlmatud ei ole piirefektid, mis tulenevad isoleeritud klaaspaketi vahetükki või aknaraami läbivast soojussillast. Lisaks ei võeta arvesse päikesekiirgusest tingitud energiaülekannet. Dekoratiivsete ja muude aknaliistude mõju ei kuulu selle dokumendi käsitlusalasse. MÄRKUS Standardis EN ISO 10077-1:2017 on sätestatud metoodika akende, uste ja aknaluukide [1] üldise U väärtuse arvutamiseks, võttes arvesse selle dokumendi kohaselt klaasikomponentidele arvutatud U väärtust. Samuti on arvutusmetoodikast välja jäetud kõik gaasidest tulenevad mõjud, mis neelavad infrapunakiirgust 5 µm kuni 50 µm piirkonnas. Selle dokumendi esmane eesmärk on toodete võrdlus, mille jaoks on määratud klaaside vertikaalne asend. Lisaks arvutatakse U väärtused sama protseduuri abil muudel eesmärkidel, eelkõige järgneva ennustamiseks: — soojuskadu läbi klaasi; — juhtivussoojuse tõus suvel; — kondensatsioon klaaspindadel; — neeldunud päikesekiirguse mõju päikesefaktori määramisel [2]. Võib viidata allikatele [3], [4] ja [5] või muudele Euroopa standarditele, mis käsitlevad soojuskadude arvutusi selle standardiga määratud klaaspindade U väärtuste rakendamiseks. Klaaside, sealhulgas varjutusseadmete U väärtuste üksikasjalike arvutuste jaoks võib viidata allikale [6]. Vaakumisolatsiooniklaas (ingl Vacuum Insulating Glass, VIG) ei kuulu selle dokumendi käsitlusalasse. VIG U väärtuse määramiseks vaadake standardit EN 674 või ISO 19916-1. Emissiivsuse määramise protseduur on toodud standardis EN 12898. Reeglid on tehtud võimalikult lihtsaks, olles kooskõlas täpsusega.

Keel: en, et
Alusdokumendid: EN 673:2024
Asendab dokumenti: EVS-EN 673:2011

EVS-EN ISO 19628:2024

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of specific heat capacity (ISO 19628:2024)

This document specifies two methods for the determination of the specific heat capacity of ceramic matrix composites with continuous reinforcements (1D, 2D, 3D). Unidirectional (1D), bi-directional (2D) and tridirectional (XD, with $2 < X \leq 3$). The two methods are: — method A: drop calorimetry; — method B: differential scanning calorimetry. The two methods are applicable from ambient temperature up to a maximum temperature that is method dependent: method A can be used up to 3 000 K, while method B is limited to 1 900 K.

Keel: en

Alusdokumendid: ISO 19628:2024; EN ISO 19628:2024
Asendab dokumenti: EVS-EN ISO 19628:2021

83 KUMMI- JA PLASTITÖÖSTUS

CWA 18155:2024

Procedure guidelines to determinate 3-Hydroxyvalerate Content in PHBV by Nuclear Magnetic Resonance

The planned CEN Workshop Agreement specifies an accessible methodology for the quantification of the comonomer content in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) using nuclear magnetic resonance as analytical tool.

Keel: en
Alusdokumendid: CWA 18155:2024

EVS-EN 12608-4:2024

Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors - Classification, requirements and test methods - Part 4: PVC-U profiles with thermo-laminated foils

This document specifies the classifications, requirements and test methods for unplasticized poly(vinyl chloride) (PVC-U) profiles with thermo-laminated foils designed for external uses which are intended to be used for the fabrication of windows and doors. NOTE 1 For editorial reasons, in this document, the term "window" is used for window/door. NOTE 2 For the purpose of production control, test methods other than those specified in this document can be used.

Keel: en
Alusdokumendid: EN 12608-4:2024

EVS-EN 17308:2024

Materials produced from end of life tyres - Steel wire - Determination of the non-metallic content

This document specifies two different methods for the quantitative estimation of non-metallic content remaining adhered to the steel wire obtained from the recovery of materials from end-of-life tyres. The pyrolysis method is considered as the reference method while the hydrostatic method is considered as an in situ method. This document includes sample collection and the preparation of representative samples based on a sampling plan for the purpose of their characterization. This document does not apply to the operational performance or fitness for use of the materials which are deemed to be a function of agreements between the manufacturer and the customer. This document does not apply to address all the safety concerns, if any, associated with its use. This document does not establish appropriate safety and health practices and does not determine the applicability of regulatory limitations prior to its use.

Keel: en
Alusdokumendid: EN 17308:2024
Asendab dokumenti: CEN/TS 17308:2019

EVS-EN ISO 17855-2:2024

Plastics - Polyethylene (PE) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 17855-2:2024)

This document specifies the methods of preparation of test specimens and the test methods for determining the properties of polyethylene (PE) moulding and extrusion materials. It gives requirements for handling test material and for conditioning both the test material before moulding and the specimens before testing. This document specifies the procedures and conditions for the preparation of test specimens and procedures for measuring properties of the materials from which these specimens are made. Properties and test methods that are suitable and essential to characterize PE moulding and extrusion materials are listed. The properties in this document have been selected from the general test methods in ISO 10350-1. Other test methods in wide use for or of particular significance to PE moulding and extrusion materials are also included in this document, as are the designatory properties specified in ISO 17855-1. Properties of slow crack growth, etc. are specified in documents of polyethylene (PE) materials for piping systems. The methods of preparation and conditioning, the specimen dimensions and the test procedures specified herein are used to obtain reproducible and comparable test results. Values determined will not necessarily be identical to those obtained using specimens of different dimensions or prepared using different procedures.

Keel: en
Alusdokumendid: ISO 17855-2:2024; EN ISO 17855-2:2024
Asendab dokumenti: EVS-EN ISO 17855-2:2016

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12607-1:2024

Bitumens and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTFOT method

This document specifies a method for the conditioning of bitumen or bituminous binders in order to provide for measuring the combined effects of heat and air on a thin moving film of bitumen or bituminous binder simulating the hardening which most bituminous binders undergo during mixing in an asphalt mixing plant. The method is referred to as RTFOT - Rolling Thin Film

Oven Test. The method described is applicable to paving grade bitumen. The method described is also applicable to other bituminous binders considering that the reference temperature can result in excessive hardening that does not resemble real conditions during mixing at the plant. It is possible that the method does not represent the hardening that occurs during mixing bitumen used for warm mix asphalt. The method described is not applicable to those binders having a viscosity at the tested temperature not allowing to provide a moving film. In some cases, it is possible that the test sample creeps out of the glass container and flows on the heating elements of the oven during testing. The method described is not applicable to binders with volatiles components present. In case of cutback bitumen or bituminous emulsion, the described procedure is only applicable after being stabilized, e.g. in accordance with EN 13074-2 [9]. WARNING - Use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to identify the hazards and assess the risks involved in performing this test method and to implement sufficient control measures to protect individual operators (and the environment). This includes appropriate safety and health practices and determination of the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 12607-1:2024
Asendab dokumenti: EVS-EN 12607-1:2014

EVS-EN 12608-4:2024

Unplasticized poly(vinyl chloride) (PVC-U) profiles for the fabrication of windows and doors - Classification, requirements and test methods - Part 4: PVC-U profiles with thermo-laminated foils

This document specifies the classifications, requirements and test methods for unplasticized poly(vinyl chloride) (PVC-U) profiles with thermo-laminated foils designed for external uses which are intended to be used for the fabrication of windows and doors. NOTE 1 For editorial reasons, in this document, the term "window" is used for window/door. NOTE 2 For the purpose of production control, test methods other than those specified in this document can be used.

Keel: en
Alusdokumendid: EN 12608-4:2024

EVS-EN 12665:2024/AC:2024

Valgus ja valgustus. Põhioskussõnad ja valgustusnõuete valiku alused
Light and lighting - Basic terms and criteria for specifying lighting requirements

Standardi EVS-EN 12665:2024 parandus.

Keel: et
Parandab dokumenti: EVS-EN 12665:2024

EVS-EN 1426:2024

Bitumens and bituminous binders - Determination of needle penetration

This document specifies a method for the determination of the needle penetration of bitumens and bituminous binders. The standard procedure for the determination of the needle penetration (consistency) is described for penetrations up to (330 × 0,1) mm at a temperature of 25 °C. The method also allows for penetrations up to (500 × 0,1) mm using a longer needle. WARNING - The use of this document can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to use.

Keel: en
Alusdokumendid: EN 1426:2024
Asendab dokumenti: EVS-EN 1426:2015

EVS-EN 16211:2024

Ventilation for buildings - Measurement of air flow rates on site - Methods

This document specifies methods for the measurement of air flow rates on site. It provides a description of the air flow rate measurement methods and how measurements are performed within the margins of stipulated method uncertainties. It gives the necessary measurement conditions (e.g. length of straight duct, uniform velocity profile) to achieve the stipulated measurement uncertainties. The methods for measuring the air flow rate inside ducts do not apply to: - ducts that are not circular or rectangular (e.g. oblong ducts); - flexible ducts.

Keel: en
Alusdokumendid: EN 16211:2024
Asendab dokumenti: EVS-EN 16211:2015

EVS-EN 17632-2:2024

Building information modelling (BIM) - Semantic modelling and linking (SML) - Part 2: Domain-specific modelling patterns

This document (part 2) provides extended standard semantic modelling patterns for (at least) the following domain-specific asset aspects: - support for distinction between two subtypes of physical objects: 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 materials like concrete, steel, wood and asphalt; - support for the interaction between objects including connections, interfaces and ports. Interactions being defined as activities where material, information, energy or forces are transferred; - support for the definition of unstructured, human-interpretable, requirements, coming from

appointing party 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 SOSA ontology (as a lightweight but self-contained SSN core ontology); - support for spatial geometry (location/shape) reusing OGC GeoSPARQL (GML/WKT) and the WGS84_pos ontology (GPS).

Keel: en
Alusdokumendid: EN 17632-2:2024

EVS-EN 673:2024

Klaas ehitusmaterjalina. Soojusläbivuse (U väärtuse) määramine. Arvutusmeetod
Glass in building - Determination of thermal transmittance (U value) - Calculation method

See dokument määrab kindlaks arvutusmeetodi tasase ja paralleelsete pindadega klaasi soojusläbivuse määramiseks. See dokument kehtib katmata klaasile (sh struktuursete pindadega klaas, nt mustriline klaas), kaetud klaasile ja materjalidele, mis ei ole pikas infrapunakiirguses läbipaistvad, milleks on naatriumlubiklaasist tooted, boorsilikaatklaas, klaaskeraamika, leelismuldsilikaatklaas ja alumiiniumsilikaatklaas. See dokument kehtib ka sellistest klaasidest ja/või materjalidest mitmekordsete klaaspakettide kohta. See ei kehti mitmekordsetele klaaspakettidele, mille gaasiruumis on pikale infrapunakiirgusele läbipaistvad lehed või fooliumid. Selles dokumendis kirjeldatud protseduur määrab U väärtuse (soojusläbivuse) klaaspinna keskosas. Hõlmatud ei ole piirefektid, mis tulenevad isoleeritud klaaspaketi vahetükki või aknaraami läbivast soojussillast. Lisaks ei võeta arvesse päikesekiirgusest tingitud energiaülekannet. Dekoratiivsete ja muude aknaliistude mõju ei kuulu selle dokumendi käsitlusalasse. MÄRKUS Standardis EN ISO 10077-1:2017 on sätestatud metoodika akende, uste ja aknaluukide [1] üldise U väärtuse arvutamiseks, võttes arvesse selle dokumendi kohaselt klaasikomponentidele arvutatud U väärtust. Samuti on arvutusmetoodikast välja jäetud kõik gaasidest tulenevad mõjud, mis neelavad infrapunakiirgust 5 µm kuni 50 µm piirkonnas. Selle dokumendi esmane eesmärk on toodete võrdlus, mille jaoks on määratud klaaside vertikaalne asend. Lisaks arvutatakse U väärtused sama protseduuri abil muudel eesmärkidel, eelkõige järgneva ennustamiseks: — soojuskadu läbi klaasi; — juhtivussoojuse tõus suvel; — kondensatsioon klaaspindadel; — neeldunud päikesekiirguse mõju päikesefaktori määramisel [2]. Võib viidata allikatele [3], [4] ja [5] või muudele Euroopa standarditele, mis käsitlevad soojuskadude arvutusi selle standardiga määratud klaaspindade U väärtuste rakendamiseks. Klaaside, sealhulgas varjutusseadmete U väärtuste üksikasjalike arvutuste jaoks võib viidata allikale [6]. Vaakumisolatsiooniklaas (ingl Vacuum Insulating Glass, VIG) ei kuulu selle dokumendi käsitlusalasse. VIG U väärtuse määramiseks vaadake standardit EN 674 või ISO 19916-1. Emissiivsuse määramise protseduur on toodud standardis EN 12898. Reeglid on tehtud võimalikult lihtsaks, olles kooskõlas täpsusega.

Keel: en, et
Alusdokumendid: EN 673:2024
Asendab dokumenti: EVS-EN 673:2011

EVS-EN 81-31:2024

Liftide konstruktsiooni ja paigalduse ohutuseeskirjad. Ainult kaupade veoks ettenähtud liftid. Osa 31: Ainult kaupade veoks ettenähtud liftid
Safety rules for the construction and installation of lifts - Lifts for the transport of goods only - Part 31: Accessible goods only lifts

1.1 This document specifies the safety rules for new accessible goods only lifts with traction, positive or hydraulic drive, permanently installed and only used by users (see 3.57), serving fixed and permanent landing levels, having a carrier made of a single load carrying area, designed for the transportation of goods only, moving along a fixed path by rigid guide rails and inclined not more than 15° to the vertical, with rated speed not exceeding 1 m/s. This document covers accessible goods only lifts with rated load exceeding 300 kg and not intended to transport persons. 1.2 For the purpose of this document, a goods only lift carrier is regarded as accessible where one of the following conditions is satisfied: a) floor area of the carrier is greater than 1,0 m2; b) depth of the carrier is greater than 1,0 m; c) clear height of the carrier is greater than 1,20 m. In case the carrier is without a roof, it is considered accessible when the clear height of the landing doors is greater than 1,20 m. 1.3 Two types of accessible goods only lifts are addressed: a) Type A, where the intended use is bound to the maximum rated speed of 0,30 m/s; b) Type B, where the intended use is bound to the maximum rated speed of 1,0 m/s. 1.4 In addition to the requirements of this document, supplementary requirements are to be considered in special cases (operation subject to ATEX rules, operational in ambiental condition not addressed by this standard, seismic conditions, transporting dangerous goods, etc.). 1.5 This document does not cover: a) accessible goods only lifts: 1) with more than one lift machine; i) where loading and unloading is automated, or the carrier floor is fitted with mobile devices (e.g. rollers) for loading and unloading purposes; ii) intended to carry bulk loads (such as loose sand, gravel, etc.); iii) with drive systems other than those stated in 4.8; b) lifting tables according to EN 1570-1 and EN 1570-2; c) lifting appliances, such as appliances with more than one carrier, skips, goods only lifts for construction sites, for underground applications, mine winding gear, goods only lifts on seagoing vessels and mobile offshore units, construction and maintenance appliances in wind turbines, goods only lifts specially designed and constructed for research purposes for temporary use in laboratories, goods only lifts specially designed and constructed for military or police purposes; d) safety during operation of transport, erection, repairs and dismantling of accessible goods only lifts; e) the use of translucent material for the walls of the well and machinery spaces, for the carrier with the exception of the landing doors vision panels; f) the use of programmable electronic systems in safety related applications for lifts (PESSRAL); g) hydraulic lifts where the setting of the pressure relief valve exceeds 50 MPa; h) any form of radiation except EMC; i) fire propagation; j) energy dissipation type buffers; k) the possibility of two simultaneous acts of imprudence and/or the abuse of instructions for use. l) ambient temperature in the well and machinery spaces lower than +5 °C and higher than +40 °C; m) health and safety of animals. However, this document can usefully be taken as a basis. Noise and vibrations are not dealt with in this document as they are not considered a significant nor relevant hazard for the actual type of the accessible goods only lifts. 1.6 The requirements of this document are such that the possibility of a failure of an electric safety device or a safety component complying with all the requirements of this document needs not to be taken into consideration. 1.7 This document is not applicable to accessible goods only lifts which were manufactured before the date of its publication as EN.

Keel: en
Alusdokumendid: EN 81-31:2024
Asendab dokumenti: EVS-EN 81-31:2010

93 RAJATISED

CEN/TR 18186:2024

Road restraint systems - General requirements for the competence of laboratories performing virtual testing for the evaluation of vehicle restraint systems

This Technical Report gives guidance on principles and methods to determine the forces due to the collision of an errant vehicle with a vehicle restraint system (vrs) in bridge design and classify vehicle restraint systems with load. This Technical Report specifies the general requirements for the competence to perform virtual testing in order to assess the performance of vehicle restraint systems. It covers virtual testing performed using finite element methods and multi-body methods. This Technical Report is applicable to all organizations performing virtual testing dealing with vehicle restraint systems. Laboratory customers, regulatory authorities and accreditation bodies may also use this Technical Report in confirming or recognizing the competence of laboratories.

Keel: en
Alusdokumendid: CEN/TR 18186:2024

97 OLME. MEELELAHUTUS. SPORT

CLC/TS 50491-7:2024

General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 7: IT security and data protection - User Guide

This document provides guidance to set-up and manage/update a cybersecure HBES/BACS connected to Internet. This document provides: 1) categories of HBES/BACS networks related to cybersecurity updates: - managed networks; - unmanaged networks; 2) risk analysis guide for the above-mentioned categories: - at device level for both managed and unmanaged networks; - at system level for managed ones only. For manufacturers, the document provides a classification based on the security levels from existing standards (ETSI EN 303 645, EN IEC 62443 (all parts)). For installers, system integrators and administrators of HBES/BACS this document provides guidance for each responsible actor, as listed below: - system integrators and administrators: - a generic method for assessment of the security risk for each product in the perspective of the overall system. The result of the evaluation gives the minimum required security level on product level corresponding to the manufacturer classification; - best practice measures on the system security level; - a guide to enhance the maturity level of the cyber security management process. - installers, system integrators and administrators: - a guide to select products to comply with the required security level during configuration and operation. In some commercial applications, dedicated standards can apply per country that are not covered by this document, e.g.: - fire (e.g. detection, alarm); - medical; - security applications: Intruder alarms, video surveillance, access control; - critical infrastructure; - AAL (Active assisted living). For such applications not covered by this document the specification could be used as guidance.

Keel: en
Alusdokumendid: CLC/TS 50491-7:2024

EVS-EN 14499:2024

Textile floor coverings - Classification of carpet underlays

This document specifies minimum performance requirements for fibrous, non-fibrous and combined underlays, together with their classification for seven classes of intended use/application.

Keel: en
Alusdokumendid: EN 14499:2024
Asendab dokumenti: EVS-EN 14499:2015

EVS-EN 16141:2024

Conservation of cultural heritage - Guidelines for management of environmental conditions - Collection storage facilities: definitions and characteristics of buildings dedicated to the preservation and management of cultural heritage

This document defines the functions and characteristics of collection storage facilities. These can be independent or integrated into cultural institutions. They are dedicated to the preservation, storage, management of, and access to, collections. NOTE For the infrastructure and technical equipment of these collection storage facilities, see EN 16893:2018.

Keel: en
Alusdokumendid: EN 16141:2024
Asendab dokumenti: EVS-EN 16141:2012

EVS-EN 1860-1:2024

Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

This document specifies requirements for barbecues that burn solid fuels with regard to materials, construction, design, test methods, markings and instructions relating to them. This document also applies to barbecues originally burning non-solid fuels that have been converted to burn solid fuels. This document does not apply to single use barbecues. Single use barbecues are covered by EN 1860-4.

Keel: en
Alusdokumendid: EN 1860-1:2024

Asendab dokumenti: EVS-EN 1860-1:2013+A1:2017
Asendab dokumenti: EVS-EN 1860-1:2013+A1:2017/AC:2017

EVS-EN 50570:2013/A2:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Erinõuded kaubanduslikele elektrilistele trummelkuivatitele
Household and similar electrical appliances - Safety - Particular requirements for commercial electric tumble dryers

This European Standard deals with the safety of electrical operated tumble dryers intended to be used by trained users in i.e. hotels, hospitals, factories, in light industry and on farms. It also covers tumble dryers which are declared for commercial use in public areas and operated by lay persons e.g. in laundrettes, communal laundry rooms. The rated voltage shall not be more than 250 V for single phase and 480 V for others.

Keel: en
Alusdokumendid: EN 50570:2013/A2:2024
Muudab dokumenti: EVS-EN 50570:2013

EVS-EN 50571:2013/A2:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Erinõuded kaubanduslikele elektrilistele pesumasinatele
Household and similar electrical appliances - Safety - Particular requirements for commercial electric washing machines

This European Standard deals with the safety of electrical operated washing machines intended to be used by trained users in e.g. hotels, hospitals, factories, in light industry and on farms. It also covers washing machines declared for commercial use in public areas and operated by lay persons e.g. in laundrettes, communal laundry rooms. Their rated voltage being not more than 250 V for single phase and 480 V for others.

Keel: en
Alusdokumendid: EN 50571:2013/A2:2024
Muudab dokumenti: EVS-EN 50571:2013

EVS-EN 60335-2-38:2003/A11:2024

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-38: Erinõuded kaubanduslikele elektrilistele küpsetusalustele ja küpsetusalus-grillidele
Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills

Amendment to EN 60335-2-38:2003

Keel: en
Alusdokumendid: EN 60335-2-38:2003/A11:2024
Muudab dokumenti: EVS-EN 60335-2-38:2003

EVS-EN 60335-2-38:2003/A2:2024

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-38: Erinõuded kaubanduslikele elektrilistele küpsetusalustele ja küpsetusalus-grillidele
Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills

Amendment for EN 60335-2-38:2003

Keel: en
Alusdokumendid: IEC 60335-2-38:2002/A2:2017; EN 60335-2-38:2003/A2:2024
Muudab dokumenti: EVS-EN 60335-2-38:2003

EVS-EN 60335-2-42:2003/A12:2024

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-42: Erinõuded kaubanduslikele elektrilistele sundkonvektsiooniga ahjudele, aurukeetjatele ja aurukonvektsiooniga ahjudele
Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens

This European Standard deals with the safety of electrically operated commercial forced convection ovens, steam cookers, steam-convection ovens and, exclusive of any other use, steam generators, not intended for household use. The rated voltage being not more than 250 V for single-phase appliances connected between one phase and neutral and 480 V for other appliances. Appliances within the scope of this standard are typically used in restaurants, canteens, hospitals and commercial enterprises such as bakeries, butcheries, etc

Keel: en
Alusdokumendid: EN 60335-2-42:2003/A12:2024
Muudab dokumenti: EVS-EN 60335-2-42:2003
Muudab dokumenti: EVS-EN 60335-2-42:2003/A2:2024

EVS-EN 60335-2-42:2003/A2:2024

Majapidamis- ja muude taoliste elektriseadmete ohutus. Osa 2-42: Erinõuded kaubanduslikele elektrilistele sundkonvektsiooniga ahjudele, aurukeetjatele ja aurukonvektsiooniga ahjudele
Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens

Amendment to EN 60335-2-42:2003

Keel: en
Alusdokumendid: IEC 60335-2-42:2002/AMD2:2017; EN 60335-2-42:2003/A2:2024
Muudab dokumenti: EVS-EN 60335-2-42:2003

EVS-EN 71-13:2021+A2:2024

Mänguasjade ohutus. Osa 13: Lõhnavad lauamängud, kosmeetikakomplektid ja maitsmismängud
Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games

This document applies to olfactory board games, cosmetic kits, gustative games and supplementary sets. It specifies requirements on the use of substances and mixtures and in some cases on their amount and concentration in olfactory board games, cosmetic kits, gustative games and supplementary sets to such games or kits. These substances and mixtures are: - those classified as hazardous by the EC-legislation applying to hazardous substances [13] and hazardous mixtures [13]; - substances and mixtures which in excessive amounts could harm the health of the children using them and which are not classified as hazardous by the above-mentioned legislation; and - any other chemical substance(s) and mixture(s) delivered with the set. Furthermore, this document specifies allergenic fragrances which are prohibited in toys, marking requirements, in particular regarding allergenic fragrances, and requirements on a contents list, instructions for use, the equipment intended to be used during the activity and the use of highly flammable liquids. This document does not apply to cosmetic toys such as play cosmetics for dolls. NOTE The terms "substance" and "mixture" are defined in the REACH regulation (EC) No. 1907/2006 [14] and in the CLP regulation (EC) No. 1272/2008 [13].

Keel: en
Alusdokumendid: EN 71-13:2021+A2:2024
Asendab dokumenti: EVS-EN 71-13:2021+A1:2022

EVS-EN IEC 60335-2-102:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

IEC 60335-2-102:2017 deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects are covered when the appliance also complies with the relevant standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, safety aspects concerning these electric sources are covered when the appliance also complies with the relevant part 2 of IEC 60335. Examples of appliances within the scope of this standard are – central heating boilers; – commercial catering equipment; – cooking appliances; – laundry and cleaning appliances; – room heaters; – warm air heaters; – water heaters. 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. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account – persons (including children) whose • physical, sensory or mental capabilities; or • lack of experience and knowledge prevents them from using the appliance safely without supervision or instruction; – children playing with the appliance. 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; This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas). This second edition cancels and replaces the first edition published in 2004 including its Amendment 1 (2008) and its Amendment 2 (2012). This edition constitutes constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a spillage test is introduced for appliances that have a flat surface on which a cup may be placed (15.101); terms and definitions were renumbered and some notes have been converted to normative text or deleted (19.11.2, 22.103). This publication has been drafted in accordance with the ISO/IEC Directives, Part 2. This part 2-102 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of IEC 60335-1:2010, its Amendment 1:2013 and its Amendment 2:2016. 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.

Keel: en
Alusdokumendid: IEC 60335-2-102:2017; EN IEC 60335-2-102:2024
Asendab dokumenti: EVS-EN 60335-2-102:2016

EVS-EN IEC 60335-2-102:2024/A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

This European Standard deals with the safety of gas, oil and solid-fuel burning appliances having electrical connections, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This standard covers the electrical safety and some other safety aspects of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance.

Keel: en
Alusdokumendid: EN IEC 60335-2-102:2024/A11:2024
Muudab dokumenti: EVS-EN IEC 60335-2-102:2024

EVS-EN IEC 60335-2-102:2024+A11:2024

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections (IEC 60335-2-102:2017)

This clause of Part 1 is replaced by the following. This document deals with the electrical safety of gas, oil and solid-fuel burning appliances having electrical connections, for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances. This document covers the electrical safety of these appliances. All safety aspects of these appliances, including those relevant to the noise emitted, are only covered when the appliance also complies with the relevant product standard for the fuel-burning appliance. If the appliance incorporates electric heating sources, safety aspects concerning these electric sources are covered when the appliance also complies with the relevant Part 2 of EN 60335. NOTE 101 Examples of appliances within the scope of this standard are – central heating boilers; – commercial catering equipment; – cooking appliances; – laundry and cleaning appliances; – room heaters; – warm air heaters; – water heaters. Additional requirements for appliances and machines with moving parts and intended for commercial use are given in Annex ZE. NOTE Z101 Examples of appliance for household environment are appliances for typical housekeeping functions used in the household environment and appliances for typical housekeeping functions used by non-expert users: — in shops, offices and other similar working environments, — in farm houses, — 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. This standard deals with the reasonably foreseeable hazards presented by appliances that are encountered by all persons. However, in general, it does not take into account: — 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. This document is read in conjunction with the relevant standards for fuel-burning appliances and for control devices. Examples are listed in Annexes ZAA and ZBB. NOTE 102 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 are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities. NOTE 103 This standard does not apply to – appliances intended exclusively for industrial purposes; – appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

Keel: en
Alusdokumendid: IEC 60335-2-102:2017; EN IEC 60335-2-102:2024; EN IEC 60335-2-102:2024/A11:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-102:2024
Konsolideerib dokumenti: EVS-EN IEC 60335-2-102:2024/A11:2024

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

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

EVS-ISO 10015:2008
Kvaliteedijuhtimine. Juhised koolitusele
Quality management - Guidelines for training

Keel: en
Alusdokumendid: ISO 10015:1999
Asendatud järgmise dokumendiga: EVS-ISO 10015:2024
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

CEN/TS 17390-1:2020
Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumor cells (CTCs) in venous whole blood - Part 1: Isolated RNA

Keel: en
Alusdokumendid: CEN/TS 17390-1:2020
Asendatud järgmise dokumendiga: CEN ISO/TS 7552-1:2024
Standardi staatus: Kehtetu

CEN/TS 17390-2:2020
Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumor cells (CTCs) in venous whole blood - Part 2: Isolated DNA

Keel: en
Alusdokumendid: CEN/TS 17390-2:2020
Asendatud järgmise dokumendiga: CEN ISO/TS 7552-2:2024
Standardi staatus: Kehtetu

CEN/TS 17390-3:2020
Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for circulating tumor cells (CTCs) in venous whole blood - Part 3: Preparations for analytical CTC staining

Keel: en
Alusdokumendid: CEN/TS 17390-3:2020
Asendatud järgmise dokumendiga: CEN ISO/TS 7552-3:2024
Standardi staatus: Kehtetu

EVS-EN ISO 11979-2:2014
Ophthalmic implants - Intraocular lenses - Part 2: Optical properties and test methods (ISO 11979-2:2014)

Keel: en
Alusdokumendid: ISO 11979-2:2014; EN ISO 11979-2:2014
Asendatud järgmise dokumendiga: EVS-EN ISO 11979-2:2024
Standardi staatus: Kehtetu

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 45545-6:2013
Raudteealased rakendused. Raudteeveeremi tuleohutus. Osa 6: Tuleohutuse järelevalve ja juhtimissüsteemid
Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

Keel: en
Alusdokumendid: EN 45545-6:2013
Asendatud järgmise dokumendiga: EVS-EN 45545-6:2024
Standardi staatus: Kehtetu

EVS-EN 60335-2-102:2016

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

Keel: en
Alusdokumendid: EN 60335-2-102:2016; IEC 60335-2-102:2004; IEC 60335-2-102:2004/A1:2008; IEC 60335-2-102:2004/A2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-102:2024
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN 16211:2015

Ventilation for buildings - Measurement of air flows on site - Methods

Keel: en
Alusdokumendid: EN 16211:2015
Asendatud järgmise dokumendiga: EVS-EN 16211:2024
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 12583:2022

Gas Infrastructure - Compressor stations - Functional requirements

Keel: en
Alusdokumendid: EN 12583:2022
Asendatud järgmise dokumendiga: EVS-EN 12583:2022+A1:2024
Standardi staatus: Kehtetu

EVS-EN 13480-1:2017/A1:2019

Metallist tööstustorustik. Osa 1: Üldist
Metallic industrial piping - Part 1: General

Keel: en
Alusdokumendid: EN 13480-1:2017/A1:2019
Asendatud järgmise dokumendiga: EVS-EN 13480-1:2024
Konsolideeritud järgmise dokumendiga: EVS-EN 13480-1:2017+A1:2019
Standardi staatus: Kehtetu

EVS-EN 13480-1:2017+A1:2019

Metallist tööstustorustik. Osa 1: Üldist
Metallic industrial piping - Part 1: General

Keel: en
Alusdokumendid: EN 13480-1:2017 V02
Asendatud järgmise dokumendiga: EVS-EN 13480-1:2024
Standardi staatus: Kehtetu

EVS-EN 15081:2007

Industrial valves - Mounting kits for part-turn valve actuator attachment

Keel: en
Alusdokumendid: EN 15081:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 5640:2024
Standardi staatus: Kehtetu

EVS-EN 17339:2020

Transportable gas cylinders - Fully wrapped carbon composite cylinders and tubes for hydrogen

Keel: en
Alusdokumendid: EN 17339:2020
Asendatud järgmise dokumendiga: EVS-EN 17339:2024
Standardi staatus: Kehtetu

EVS-EN 60335-2-80:2003/A1:2004

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-80: Erinõuded ventilaatoritele
Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans

Keel: en
Alusdokumendid: IEC 60335-2-80:2002/A1:2004; EN 60335-2-80:2003/A1:2004
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-80:2024
Standardi staatus: Kehtetu

EVS-EN 60335-2-80:2003/A2:2009

Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-80: Erinõuded ventilaatoritele
Household and similar electrical appliances - Safety -- Part 2-80: Particular requirements for fans

Keel: en
Alusdokumendid: IEC 60335-2-80:2002/A2:2008; EN 60335-2-80:2003/A2:2009
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-80:2024
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 50617-1:2015

Raudteealased rakendused. Rongituvastussüsteemide tehnilised andmed üle-Euroopalise raudteesüsteemi koostalitusvõime tagamiseks. Osa 1: Rööbasahelad
Railway applications - Technical parameters of train detection systems for the interoperability of the trans-European railway system - Part 1: Track circuits

Keel: en
Alusdokumendid: EN 50617-1:2015
Asendatud järgmise dokumendiga: EVS-EN 50617-1:2024
Standardi staatus: Kehtetu

EVS-EN 61812-1:2011

Ajareleed tööstuslikuks kasutuseks. Osa 1: Nõuded ja katsetused
Time relays for industrial and residential use - Part 1: Requirements and tests

Keel: en
Alusdokumendid: IEC 61812-1:2011; EN 61812-1:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 61812-1:2024
Standardi staatus: Kehtetu

EVS-EN 62314:2008

Solid-state relays

Keel: en
Alusdokumendid: IEC 62314:2006; EN 62314:2006
Asendatud järgmise dokumendiga: EVS-EN IEC 62314:2024
Standardi staatus: Kehtetu

EVS-EN 62770:2014

Fluids for electrotechnical applications - Unused natural esters for transformers and similar electrical equipment

Keel: en
Alusdokumendid: IEC 62770:2013; EN 62770:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62770:2024
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN IEC 60512-28-100:2019

Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2 000 MHz - Tests 28a to 28g

Keel: en
Alusdokumendid: IEC 60512-28-100:2019; EN IEC 60512-28-100:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 60512-28-100:2024
Standardi staatus: Kehtetu

EVS-EN ISO 14880-3:2006
Optics and phonotics - Microlens arrays - Part 3: Test methods for optical properties other than wavefront aberrations

Keel: en
Alusdokumendid: ISO 14880-3:2006; EN ISO 14880-3:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 14880-3:2024
Standardi staatus: Kehtetu

EVS-EN ISO 14880-4:2006
Optics and photonics - Microlens arrays - Part 4: Test methods for geometrical properties

Keel: en
Alusdokumendid: ISO 14880-4:2006; EN ISO 14880-4:2006
Asendatud järgmise dokumendiga: EVS-EN ISO 14880-4:2024
Standardi staatus: Kehtetu

45 RAUDTEETEHNIKA

EVS-EN 14601:2005+A2:2021
Railway applications - Straight and angled end cocks for brake pipe and main reservoir pipe

Keel: en
Alusdokumendid: EN 14601:2005+A2:2021
Asendatud järgmise dokumendiga: EVS-EN 14601:2024
Standardi staatus: Kehtetu

EVS-EN 45545-6:2013
Raudteealased rakendused. Raudteeveeremi tuleohutus. Osa 6: Tuleohutuse järelevalve ja juhtimissüsteemid
Railway applications - Fire protection on railway vehicles - Part 6: Fire control and management systems

Keel: en
Alusdokumendid: EN 45545-6:2013
Asendatud järgmise dokumendiga: EVS-EN 45545-6:2024
Standardi staatus: Kehtetu

49 LENNUNDUS JA KOSMOSETEHNIKA

EVS-EN 3487:2008
Aerospace series - Steel FE-PA3601 (X6CrNiTi18-10) - Air melted - Softened - Bar for machining - a or D ≤ 250 mm - 500 MPa ≤ Rm ≤ 700 Mpa

Keel: en
Alusdokumendid: EN 3487:2007
Asendatud järgmise dokumendiga: EVS-EN 3487:2024
Standardi staatus: Kehtetu

EVS-EN 4165-005:2007
Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 005: Stackable mounting receptacle 2 and 4 modules, series 3 - Product standard

Keel: en
Alusdokumendid: EN 4165-005:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-005:2024
Standardi staatus: Kehtetu

EVS-EN 4165-006:2007
Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 006: Plug for 2 and 4 modules, series 2 - Product standard

Keel: en
Alusdokumendid: EN 4165-006:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-006:2024
Standardi staatus: Kehtetu

EVS-EN 4165-007:2007

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 007: Plug for 2 and 4 modules, series 3 - Product standard

Keel: en
Alusdokumendid: EN 4165-007:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-007:2024
Standardi staatus: Kehtetu

EVS-EN 4165-008:2007

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 008: Rack and panel plug for 2 and 4 modules, series 2 - Product standard

Keel: en
Alusdokumendid: EN 4165-008:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-008:2024
Standardi staatus: Kehtetu

EVS-EN 4165-010:2007

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 010: Rack and panel rear mounted plug for 2 and 4 modules, series 2 - Product standard

Keel: en
Alusdokumendid: EN 4165-010:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-010:2024
Standardi staatus: Kehtetu

EVS-EN 4165-011:2007

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 011: Flange mounting receptacle 2 and 4 modules, series 2 - Product standard

Keel: en
Alusdokumendid: EN 4165-011:2007
Asendatud järgmise dokumendiga: EVS-EN 4165-011:2024
Standardi staatus: Kehtetu

EVS-EN 4165-013:2016

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 - Product standard

Keel: en
Alusdokumendid: EN 4165-013:2016
Asendatud järgmise dokumendiga: EVS-EN 4165-013:2024
Standardi staatus: Kehtetu

EVS-EN 4165-016:2005

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 016: Double oval chimney for accessory (1 per 2 modules) - Product standard

Keel: en
Alusdokumendid: EN 4165-016:2005
Asendatud järgmise dokumendiga: EVS-EN 4165-016:2024
Standardi staatus: Kehtetu

EVS-EN 4165-017:2005

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 017: Blank chimney for accessory (1 per module cavity) - Product standard

Keel: en
Alusdokumendid: EN 4165-017:2005
Asendatud järgmise dokumendiga: EVS-EN 4165-017:2024
Standardi staatus: Kehtetu

EVS-EN 4165-026:2018

Aerospace series - Connector, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 026: Accessories for single module connector - Product standard

Keel: en

Alusdokumendid: EN 4165-026:2018
Asendatud järgmise dokumendiga: EVS-EN 4165-026:2024
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 9073-7:2001
Textiles - Test methods for nonwovens - Part 7: Determination of bending length

Keel: en
Alusdokumendid: ISO 9073-7:1995; EN ISO 9073-7:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 9073-7:2024
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN 10334:2005
Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products and beverages for human and animal consumption - Non-coated steel (blackplate)

Keel: en
Alusdokumendid: EN 10334:2005
Asendatud järgmise dokumendiga: EVS-EN 10334:2024
Standardi staatus: Kehtetu

EVS-EN 10335:2005
Steel for packaging - Flat steel products intended for use in contact with foodstuffs, products or beverages for human and animal consumption - Non alloyed electrolytic chromium/chromium oxide coated steel

Keel: en
Alusdokumendid: EN 10335:2005
Asendatud järgmise dokumendiga: EVS-EN 10335:2024
Standardi staatus: Kehtetu

EVS-EN 16466-1:2013
Vinegar - Isotopic analysis of acetic acid and water - Part 1: 2HNMR analysis of acetic acid

Keel: en
Alusdokumendid: EN 16466-1:2013
Asendatud järgmise dokumendiga: EVS-EN 16466-1:2024
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 12583:2022
Gas Infrastructure - Compressor stations - Functional requirements

Keel: en
Alusdokumendid: EN 12583:2022
Asendatud järgmise dokumendiga: EVS-EN 12583:2022+A1:2024
Standardi staatus: Kehtetu

EVS-EN 12607-1:2014
Bitumen and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTFOT method

Keel: en
Alusdokumendid: EN 12607-1:2014
Asendatud järgmise dokumendiga: EVS-EN 12607-1:2024
Standardi staatus: Kehtetu

EVS-EN 1426:2015
Bituumen ja bituumensideained. Nõelpenetratsiooni määramine
Bitumen and bituminous binders - Determination of needle penetration

Keel: en, et
Alusdokumendid: EN 1426:2015
Asendatud järgmise dokumendiga: EVS-EN 1426:2024
Standardi staatus: Kehtetu

EVS-EN 1860-1:2013+A1:2017

Grillimisel kasutatavad tarvikud, tahkekütused ja tulesüütajad. Osa 1: Grillil põlevad kütused. Nõuded ja katsemeetodid
Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

Keel: en
Alusdokumendid: EN 1860-1:2013+A1:2017
Asendatud järgmise dokumendiga: EVS-EN 1860-1:2024
Parandatud järgmise dokumendiga: EVS-EN 1860-1:2013+A1:2017/AC:2017
Standardi staatus: Kehtetu

EVS-EN 1860-1:2013+A1:2017/AC:2017

Grillimisel kasutatavad tarvikud, tahkekütused ja tulesüütajad. Osa 1: Grillil põlevad kütused. Nõuded ja katsemeetodid
Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

Keel: en
Alusdokumendid: EN 1860-1:2013+A1:2017/AC:2017
Asendatud järgmise dokumendiga: EVS-EN 1860-1:2024
Standardi staatus: Kehtetu

EVS-EN ISO 16486-2:2020

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes (ISO 16486-2:2020)

Keel: en
Alusdokumendid: ISO 16486-2:2020; EN ISO 16486-2:2020
Asendatud järgmise dokumendiga: EVS-EN ISO 16486-2:2024
Standardi staatus: Kehtetu

77 METALLURGIA

CEN/TS 17308:2019

Materials produced from end of life tyres - Steel wire - Determination of the non-metallic content

Keel: en
Alusdokumendid: CEN/TS 17308:2019
Asendatud järgmise dokumendiga: EVS-EN 17308:2024
Standardi staatus: Kehtetu

EVS-EN 10205:2016

Cold reduced tinmill products - Blackplate

Keel: en
Alusdokumendid: EN 10205:2016
Asendatud järgmise dokumendiga: EVS-EN 10205:2024
Standardi staatus: Kehtetu

81 KLAASI- JA KERAAMIKA-TÖÖSTUS

EVS-EN 673:2011

Klaas ehitusmaterjalina. Soojuskandeteguri (U-väärtuse) määramine. Arvutusmeetod
Glass in building - Determination of thermal transmittance (U value) - Calculation method

Keel: en
Alusdokumendid: EN 673:2011
Asendatud järgmise dokumendiga: EVS-EN 673:2024
Standardi staatus: Kehtetu

EVS-EN ISO 19628:2021

Fine ceramics (advanced ceramics, advanced technical ceramics) - Thermophysical properties of ceramic composites - Determination of specific heat capacity (ISO 19628:2017)

Keel: en
Alusdokumendid: ISO 19628:2017; EN ISO 19628:2021
Asendatud järgmise dokumendiga: EVS-EN ISO 19628:2024
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

CEN/TS 17308:2019
Materials produced from end of life tyres - Steel wire - Determination of the non-metallic content

Keel: en
Alusdokumendid: CEN/TS 17308:2019
Asendatud järgmise dokumendiga: EVS-EN 17308:2024
Standardi staatus: Kehtetu

EVS-EN ISO 16486-2:2020
Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 2: Pipes (ISO 16486-2:2020)

Keel: en
Alusdokumendid: ISO 16486-2:2020; EN ISO 16486-2:2020
Asendatud järgmise dokumendiga: EVS-EN ISO 16486-2:2024
Standardi staatus: Kehtetu

EVS-EN ISO 17855-2:2016
Plastics - Polyethylene (PE) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties (ISO 17855-2:2016)

Keel: en
Alusdokumendid: ISO 17855-2:2016; EN ISO 17855-2:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 17855-2:2024
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS-EN 12607-1:2014
Bitumen and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTFOT method

Keel: en
Alusdokumendid: EN 12607-1:2014
Asendatud järgmise dokumendiga: EVS-EN 12607-1:2024
Standardi staatus: Kehtetu

EVS-EN 1426:2015
Bituumen ja bituumensideained. Nõelpenetratsiooni määramine
Bitumen and bituminous binders - Determination of needle penetration

Keel: en, et
Alusdokumendid: EN 1426:2015
Asendatud järgmise dokumendiga: EVS-EN 1426:2024
Standardi staatus: Kehtetu

EVS-EN 16211:2015
Ventilation for buildings - Measurement of air flows on site - Methods

Keel: en
Alusdokumendid: EN 16211:2015
Asendatud järgmise dokumendiga: EVS-EN 16211:2024
Standardi staatus: Kehtetu

EVS-EN 81-31:2010
Liftide valmistamise ja paigaldamise ohutuseeskirjad. Üksnes kaupade veoks mõeldud liftid. Osa 31: Kättesaadavad, üksnes kaupade veoks mõeldud liftid
Safety rules for the construction and installation of lifts - Lifts for the transport of goods only - Part 31: Accessible goods only lifts

Keel: en
Alusdokumendid: EN 81-31:2010
Asendatud järgmise dokumendiga: EVS-EN 81-31:2024
Standardi staatus: Kehtetu

97 OLME. MEELELAHUTUS. SPORT

EVS-EN 14499:2015
Textile floor coverings - Minimum requirements for carpet underlays

Keel: en
Alusdokumendid: EN 14499:2015
Asendatud järgmise dokumendiga: EVS-EN 14499:2024
Standardi staatus: Kehtetu

EVS-EN 16141:2012
Conservation of cultural heritage - Guidelines for management of environmental conditions - Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage

Keel: en
Alusdokumendid: EN 16141:2012
Asendatud järgmise dokumendiga: EVS-EN 16141:2024
Standardi staatus: Kehtetu

EVS-EN 1860-1:2013+A1:2017
Grillimisel kasutatavad tarvikud, tahkekütused ja tulesüütajad. Osa 1: Grillil põlevad kütused. Nõuded ja katsemeetodid
Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

Keel: en
Alusdokumendid: EN 1860-1:2013+A1:2017
Asendatud järgmise dokumendiga: EVS-EN 1860-1:2024
Parandatud järgmise dokumendiga: EVS-EN 1860-1:2013+A1:2017/AC:2017
Standardi staatus: Kehtetu

EVS-EN 1860-1:2013+A1:2017/AC:2017
Grillimisel kasutatavad tarvikud, tahkekütused ja tulesüütajad. Osa 1: Grillil põlevad kütused. Nõuded ja katsemeetodid
Appliances, solid fuels and firelighters for barbecueing - Part 1: Barbecues burning solid fuels - Requirements and test methods

Keel: en
Alusdokumendid: EN 1860-1:2013+A1:2017/AC:2017
Asendatud järgmise dokumendiga: EVS-EN 1860-1:2024
Standardi staatus: Kehtetu

EVS-EN 60335-2-102:2016
Majapidamis- ja muud taolised elektriseadmed. Ohutus. Osa 2-102: Erinõuded elektrilisi ühendusi omavatele gaasi, õli ja tahkekütuse põletamise seadmetele
Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections

Keel: en
Alusdokumendid: EN 60335-2-102:2016; IEC 60335-2-102:2004; IEC 60335-2-102:2004/A1:2008; IEC 60335-2-102:2004/A2:2012
Asendatud järgmise dokumendiga: EVS-EN IEC 60335-2-102:2024
Standardi staatus: Kehtetu

EVS-EN 71-13:2021+A1:2022
Mänguasjade ohutus. Osa 13: Lõhnavad lauamängud, kosmeetikakomplektid ja maitsmismängud
Safety of toys - Part 13: Olfactory board games, cosmetic kits and gustative games

Keel: en
Alusdokumendid: EN 71-13:2021+A1:2022
Asendatud järgmise dokumendiga: EVS-EN 71-13:2021+A2:2024
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

EN IEC 60445:2021/prA1:2024

Amendment 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors

Amendment to EN IEC 60445:2021

Keel: en
Alusdokumendid: 3/1687/CDV; EN IEC 60445:2021/prA1:2024
Muudab dokumenti: EVS-EN IEC 60445:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 18140

Sustainable and smart cities and communities - Nature-based solutions (NBSs) - Vocabulary and principles

Building on the consolidated definitions of NBS, this document proposes a classification of NBS to support the development of an agreed terminology, the basis of the standardization process.

Keel: en
Alusdokumendid: prEN 18140

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 9300-010

Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 010: Overview data flow

This document provides an overview description for the recommended processes for archiving of model based product data, e.g. 3D CAD and PDM data. The detailed processes are described in additional process parts of the EN 9300 series

Keel: en
Alusdokumendid: prEN 9300-010
Asendab dokumenti: EVS-EN 9300-010:2018

Arvamusküsitluse lõppkuupäev: 30.01.2025

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

prEN ISO 13140

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 (ISO/DIS 13140:2024)

This document specifies the test suite structure (TSS) and test purposes (TP) to evaluate the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 13141. It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment to support interoperability between different equipment supplied by different manufacturers. ISO 13141 specifies requirements for the localization augmentation communication (LAC) interface level, but not for the RSE or

OBE internal functional behaviour. Consequently, tests regarding OBE and RSE functional behaviour remain outside the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 13140; prEN ISO 13140
Asendab dokumenti: EVS-EN ISO 13140-1:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO 14019-4

Sustainability information - Part 4: Principles and requirements for bodies validating and verifying sustainability information (ISO/DIS 14019-4:2024)

This document provides specific requirements for bodies performing validation and verification of declared sustainability information. This document adopts the principles and general requirements of ISO/IEC 17029 for the competence, consistent operation and impartiality of bodies performing validation/verification as conformity assessment activities. This document includes additional principles and requirements that are necessary to contextualise ISO/IEC 17029 for validation and verification of sustainability information. Any programme requirements related to bodies are additional to the requirements of this document.

Keel: en
Alusdokumendid: ISO/DIS 14019-4; prEN ISO 14019-4

Arvamusküsitluse lõppkuupäev: 30.01.2025

11 TERVISEHOOLDUS

prEN ISO 10993-2

Biological evaluation of medical devices - Part 2: Animal welfare requirements (ISO/DIS 10993-2:2024)

This document specifies the minimum requirements to be satisfied to ensure and demonstrate that proper provision has been made for the welfare of animals used in animal tests to assess the biocompatibility of materials used in medical devices. It is aimed at those who commission, design and perform tests or evaluate data from animal tests undertaken to assess the biocompatibility of materials intended for use in medical devices, or that of the medical devices themselves. This document makes recommendations and offers guidance intended to facilitate future further reductions in the overall number of animals used, refinement of test methods to reduce or eliminate pain or distress in animals, and the replacement of animal tests by other scientifically valid means not requiring animal tests. This document applies to tests performed on living vertebrate animals, other than man, to establish the biocompatibility of materials or medical devices. This document does not apply to tests performed on invertebrate animals and other lower forms; nor (other than with respect to provisions relating to species, source, health status, and care and accommodation) does it apply to testing performed on isolated tissues and organs taken from vertebrate animals that have been euthanized.

Keel: en
Alusdokumendid: ISO/DIS 10993-2; prEN ISO 10993-2
Asendab dokumenti: EVS-EN ISO 10993-2:2022

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO 18777-1

Transportable liquid oxygen systems for medical use - Part 1: Common requirements and particular requirements for base units (ISO/DIS 18777-1:2024)

This document specifies common requirements for transportable liquid oxygen systems and specific requirements for base units. Base units are used as a store for liquid oxygen for recharging portable units. They may also, if fitted with a flow outlet and flow selector, be used as a source for the supply of oxygen direct to the patient.

Keel: en
Alusdokumendid: ISO/DIS 18777-1; prEN ISO 18777-1
Asendab dokumenti: EVS-EN ISO 18777:2009

Arvamusküsitluse lõppkuupäev: 31.12.2024

prEN ISO 18777-2

Transportable liquid oxygen systems for medical use - Part 2: Portable units (ISO/DIS 18777-2:2024)

This document specifies requirements for portable units which are part of a transportable liquid oxygen system. These are used as a supply source for oxygen therapy in home-care and in health-care facilities. Portable units are intended to be carried by patients whilst moving around and during their off-site activities and can be refilled from a base unit through a transfilling connector. Portable units are used without professional supervision.

Keel: en
Alusdokumendid: ISO/DIS 18777-2; prEN ISO 18777-2
Asendab dokumenti: EVS-EN ISO 18777:2009

Arvamusküsitluse lõppkuupäev: 31.12.2024

prEN ISO 6876

Dentistry - Endodontic sealing material (ISO/DIS 6876:2024)

ISO 6876:2012 specifies requirements and test methods for root canal (endodontic) sealing materials which set with or without the assistance of moisture and are used for permanent obturation of the root canal with or without the aid of obturating points/cones. It only covers sealers intended for orthograde use, i.e. a root filling placed from the coronal aspect of a tooth.

Keel: en
Alusdokumendid: ISO/DIS 6876; prEN ISO 6876
Asendab dokumenti: EVS-EN ISO 6876:2012

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO 80601-2-61

Medical electrical equipment - Part 2-61: Particular requirements for basic safety and essential performance of pulse oximeter equipment (ISO/DIS 80601-2-61:2024)

ISO 80601-2-61:2017 applies to the basic safety and essential performance of pulse oximeter equipment intended for use on humans, hereafter referred to as me equipment. This includes any part necessary for normal use, including the pulse oximeter monitor, pulse oximeter probe, and probe cable extender. These requirements also apply to pulse oximeter equipment, including pulse oximeter monitors, pulse oximeter probes and probe cable extenders, which have been reprocessed. The intended use of pulse oximeter equipment includes, but is not limited to, the estimation of arterial oxygen haemoglobin saturation and pulse rate of patients in professional healthcare institutions as well as patients in the home healthcare environment and the emergency medical services environment. ISO 80601-2-61:2017 is not applicable to pulse oximeter equipment intended for use in laboratory research applications nor to oximeters that require a blood sample from the patient. If a clause or subclause is specifically intended to be applicable to me equipment only, or to me systems only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to me equipment and to me systems, as relevant. Hazards inherent in the intended physiological function of me equipment or me systems within the scope of this document are not covered by specific requirements in this document except in 201.11 and in 7.2.13 and 8.4.1 of the general standard. NOTE 1 See also 4.2 of the general standard. "The general standard" is IEC 60601-1:2005+AMD1:2012, Medical electrical equipment ? Part 1: General requirements for basic safety and essential performance. ISO 80601-2-61:2017 can also be applied to me equipment and their accessories used for compensation or alleviation of disease, injury or disability. ISO 80601-2-61:2017 is not applicable to pulse oximeter equipment intended solely for foetal use. ISO 80601-2-61:2017 is not applicable to remote or slave (secondary) equipment that displays SpO2 values that are located outside of the patient environment. NOTE 2 Me equipment that provides selection between diagnostic and monitoring functions is expected to meet the requirements of the appropriate document when configured for that function. ISO 80601-2-61:2017 is applicable to pulse oximeter equipment intended for use under extreme or uncontrolled environmental conditions outside the hospital environment or physician's office, such as in ambulances and air transport. Additional standards can apply pulse oximeter equipment for those environments of use. ISO 80601-2-61:2017 is a particular standard in the IEC 60601-1 and ISO/IEC 80601 series of standards.

Keel: en
Alusdokumendid: ISO/DIS 80601-2-61; prEN ISO 80601-2-61
Asendab dokumenti: EVS-EN ISO 80601-2-61:2019

Arvamusküsitluse lõppkuupäev: 30.01.2025

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EN IEC 60445:2021/prA1:2024

Amendment 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors

Amendment to EN IEC 60445:2021

Keel: en
Alusdokumendid: 3/1687/CDV; EN IEC 60445:2021/prA1:2024
Muudab dokumenti: EVS-EN IEC 60445:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

EN ISO 22568-1:2019/prA1

Foot and leg protectors - Requirements and test methods for footwear components - Part 1: Metallic toecaps - Amendment 1 (ISO 22568 1:2019/DAM 1:2024)

Amendment to EN ISO 22568-1:2019

Keel: en
Alusdokumendid: ISO 22568-1:2019/DAmd 1; EN ISO 22568-1:2019/prA1
Muudab dokumenti: EVS-EN ISO 22568-1:2019

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 458

Hearing protectors - Recommendations for selection, use, care and maintenance - Guidance document

This document gives recommendations for the selection, use, care and maintenance of hearing protectors.

Keel: en
Alusdokumendid: prEN 458
Asendab dokumenti: EVS-EN 458:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO 14019-4

Sustainability information - Part 4: Principles and requirements for bodies validating and verifying sustainability information (ISO/DIS 14019-4:2024)

This document provides specific requirements for bodies performing validation and verification of declared sustainability information. This document adopts the principles and general requirements of ISO/IEC 17029 for the competence, consistent operation and impartiality of bodies performing validation/verification as conformity assessment activities. This document includes additional principles and requirements that are necessary to contextualise ISO/IEC 17029 for validation and verification of sustainability information. Any programme requirements related to bodies are additional to the requirements of this document.

Keel: en
Alusdokumendid: ISO/DIS 14019-4; prEN ISO 14019-4

Arvamusküsitluse lõppkuupäev: 30.01.2025

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN ISO 16610-22

Geometrical product specifications (GPS) - Filtration - Part 22: Linear profile filters: Spline filters (ISO/DIS 16610-22:2024)

ISO 16610-22:2015 specifies spline filters for the filtration of profiles. It specifies in particular how to separate the long- and short-wave component of a profile.

Keel: en
Alusdokumendid: ISO/DIS 16610-22; prEN ISO 16610-22
Asendab dokumenti: EVS-EN ISO 16610-22:2015

Arvamusküsitluse lõppkuupäev: 30.01.2025

19 KATSETAMINE

EN 60068-2-75:2014/prA1:2024

Amendment 1 - Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests

Amendment to EN IEC 60068-2-75:2014

Keel: en
Alusdokumendid: 104/1075/CDV; EN IEC 60068-2-75:2014/prA1:2024
Muudab dokumenti: EVS-EN 60068-2-75:2014

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 1518

Non-destructive testing - Leak testing - Characterization of mass spectrometer leak detectors

This document specifies terms and procedures for the characterization of mass spectrometer leak detectors (MSLD). It is not intended to give a complete set of specifications for an acceptance test but a description of procedures that can be used without particular calibration equipment. The methods described in this document are applicable without restrictions to helium as the tracer gas. For other gases, additional precautions may be necessary. These methods are applicable to commonly available MSLD, based on the present level of technology, which may be able to measure leakage rates down to 10−12 Pa·m3/s.

Keel: en
Alusdokumendid: prEN 1518
Asendab dokumenti: EVS-EN 1518:1999

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 1779

Non-destructive testing - Leak testing - Criteria for method and technique selection

This document specifies criteria for the selection of the most suitable method and technique for the assessment of leak tightness by indication or measurement of a gas leakage. Annex A, normative, allows a comparison of standard test methods. Leak detection using hydrostatic tests, electromagnetic methods is not included in this document. This document can be used for equipment which can be evacuated or pressurized.

Keel: en
Alusdokumendid: prEN 1779
Asendab dokumenti: EVS-EN 1779:2000

Arvamusküsitluse lõppkuupäev: 30.01.2025

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

EVS-EN 13160-2:2016+prA1

Leak detection systems - Part 2: Requirements and test/assessment methods for pressure and vacuum systems

This European Standard gives requirements and the corresponding test/assessment methods applicable to leak detection kits (leak detector) based on the measurement of pressure change. Leak detection kits are intended to be used with double skin, underground or above ground, pressurized or non-pressurized, tanks or pipework designed for water polluting liquids/fluids. The kits are usually composed of: - measuring device; - evaluation device; - alarm device; - pressure generator; - pressure relief device; - liquid stop device; - condensate trap.

Keel: en
Alusdokumendid: EN 13160-2:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-2:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-3:2016+prA1

Leak detection systems - Part 3: Requirements and test/assessment methods for liquid systems for tanks

This European Standard gives requirements and the corresponding test/assessment methods applicable to leak detection kits based on the drop of the liquid level in the leak detection liquid reservoir. Leak detection kits are intended to be used with double skin, underground or above ground, non-pressurized, tanks designed for water polluting liquids. The liquid leak detection kits are usually composed of: - sensing device (liquid sensor); - evaluation device; - alarm device.

Keel: en
Alusdokumendid: EN 13160-3:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-3:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-4:2016+prA1

Leak detection systems - Part 4: Requirements and test/assessment methods for sensor based leak detection systems

This European Standard gives requirements and the corresponding test/assessment methods applicable to leak detection kits based on the detection of the presence of liquid and/or vapour in interstitial spaces, leakage containments or monitoring wells. The kits are usually composed by: - sensing device(s); - evaluation device; - alarm device.

Keel: en
Alusdokumendid: EN 13160-4:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-4:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-5:2016+prA1

Leak detection systems - Part 5: Requirements and test/assessment methods for in-tank gauge systems and pressurised pipework systems

This standard gives requirements and corresponding test\assessment methods applicable to leak detection kits, based upon volumetric loss from within the tank and/or pipework system. The kits usually comprise: - Measuring Device - Evaluation Device - Alarm Device Intended use: Leak Detection kits are intended to be used in\with single or double skin underground tanks or single or double skin underground and/or aboveground, pipework designed for flammable liquids having a flash point not exceeding 100 °C.

Keel: en
Alusdokumendid: EN 13160-5:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-5:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-7:2016+prA1

Leak detection systems - Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets

This standard gives requirements and the corresponding test/assessment methods applicable to leak detection lining kits and leak detection jacket kits. Leak detection lining kits and leak detection jackets kits intended to be used as post-installed to create an interstitial space or leakage containment in single skin underground or above ground, non-pressurized, tanks designed for water polluting liquids. The kit has to be used only in conjunction with leak detection kits covered by prEN 13160-2 to prEN 13160-4.

Keel: en
Alusdokumendid: EN 13160-7:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-7:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

29 ELEKTROTEHNIKA

EN IEC 60445:2021/prA1:2024

Amendment 1 - Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors

Amendment to EN IEC 60445:2021

Keel: en
Alusdokumendid: 3/1687/CDV; EN IEC 60445:2021/prA1:2024
Muudab dokumenti: EVS-EN IEC 60445:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-2:2016+prA1

Leak detection systems - Part 2: Requirements and test/assessment methods for pressure and vacuum systems

This European Standard gives requirements and the corresponding test/assessment methods applicable to leak detection kits (leak detector) based on the measurement of pressure change. Leak detection kits are intended to be used with double skin, underground or above ground, pressurized or non-pressurized, tanks or pipework designed for water polluting liquids/fluids. The kits are usually composed of: - measuring device; - evaluation device; - alarm device; - pressure generator; - pressure relief device; - liquid stop device; - condensate trap.

Keel: en
Alusdokumendid: EN 13160-2:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-2:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

EVS-EN 13160-7:2016+prA1

Leak detection systems - Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets

This standard gives requirements and the corresponding test/assessment methods applicable to leak detection lining kits and leak detection jacket kits. Leak detection lining kits and leak detection jackets kits intended to be used as post-installed to create an interstitial space or leakage containment in single skin underground or above ground, non-pressurized, tanks designed for water polluting liquids. The kit has to be used only in conjunction with leak detection kits covered by prEN 13160-2 to prEN 13160-4.

Keel: en
Alusdokumendid: EN 13160-7:2016+A1:2024
Asendab dokumenti: EVS-EN 13160-7:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

31 ELEKTROONIKA

EN IEC 60384-14:2023/prA1:2024

Amendment 1 - Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

Amendment to EN IEC 60384-14:2023

Keel: en
Alusdokumendid: 40/3180/CDV; EN IEC 60384-14:2023/prA1:2024
Muudab dokumenti: EVS-EN IEC 60384-14:2023

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN IEC 60749-23:2024

Semiconductor devices - Mechanical and climatic test methods - Part 23: High temperature operating life

This test is used to determine the effects of bias conditions and temperature on solid state devices over time. It simulates the device operating condition in an accelerated way, and is primarily for device qualification and reliability monitoring. A form of high temperature bias life using a short duration, popularly known as “burn-in”, may be used to screen for infant mortality related failures. The detailed use and application of burn-in is outside the scope of this standard.

Keel: en
Alusdokumendid: 47/2881/CDV; prEN IEC 60749-23:2024
Asendab dokumenti: EVS-EN 60749-23:2004
Asendab dokumenti: EVS-EN 60749-23:2004/A1:2011

Arvamusküsitluse lõppkuupäev: 30.01.2025

33 SIDETEHNIKA

prEN 300 468 V1.19.0

Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems

The present document specifies the Service Information (SI) data which forms a part of Digital Video Broadcasting (DVB) bitstreams, in order that the user can be provided with information to assist in selection of services and/or events within the bitstream, and so that the Integrated Receiver Decoder (IRD) can automatically configure itself for the selected service. SI data for automatic configuration is mostly specified within ISO/IEC 13818-1 as Program Specific Information (PSI). The present document specifies additional data which complements the PSI by providing data to aid automatic tuning of IRDs, and additional information intended for display to the user. The manner of presentation of the information is not specified in the present document, and IRD manufacturers have freedom to choose appropriate presentation methods. It is expected that Electronic Programme Guide (EPG) will be a feature of Digital TeleVision (TV) transmissions. The definition of an EPG is outside the scope of the present document (i.e. the SI specification), but the data contained within the SI specified in the present document may be used as the basis for an EPG. Rules of operation for the implementation of the present document are specified in ETSI TS 101 211.

Keel: en
Alusdokumendid: Draft ETSI EN 300 468 V1.19.0

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 303 659 V1.0.0

Lähitoimeseadmed (SRD) andmesidevõrkudes; Raadioseadmed, mida kasutatakse sagedusvahemikes 865 MHz kuni 868 MHz ja 915 MHz kuni 919,4 MHz; Raadiospektrile juurdepääsu harmoneeritud standard
Short Range Devices (SRD) in Data Networks; Radio equipment to be used in the frequency ranges 865 MHz to 868 MHz and 915 MHz to 919,4 MHz; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for Short Range Devices (SRD) in data networks; radio equipment to be used in the frequency bands 865 MHz to 868 MHz and 915,0 MHz to 919,4 MHz. The present document covers types of devices NAP, master NAP, NN and TN operating indoor and outdoor. These types are specified in clause 4.2.2 together with related permitted e.r.p. NOTE 1: The availability of the frequency bands in European Union and CEPT countries can be obtained from the EFIS (https://efis.cept.org/) and is also listed in Appendices 1 and 3 of ERC/REC 70-03. NOTE 2: It should be noted that, in some countries, part or all of the band 915,0 MHz to 919,4 MHz may be unavailable, for networked and/or network based short range devices. See National Radio Interfaces (NRI) as relevant for additional guidance. NOTE 3: For 25 mW equipment, 917,4 MHz to 919,4 MHz is the core harmonised band according to EC DEC 2022/172. NOTE 4: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 303 659 V1.0.0

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN IEC 60794-1-130:2024

Optical fibre cables - Part 1-130: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Coefficient of dynamic friction between cables, Methods E30

This part of IEC 60794 describes test procedures to evaluate the coefficient of dynamic friction of the sheathing material of the sheathing material of the cable when pulled over or between the other same type cables. Method E30A or E30B evaluates the coefficient of friction when a cable is pulled over the other cables (drum test) or when pulling a cable between the other cables (flat plate test). This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors. Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units.

Keel: en
Alusdokumendid: 86A/2501/CDV; prEN IEC 60794-1-130:2024

Arvamusküsitluse lõppkuupäev: 30.01.2025

35 INFOTEHNOLOOGIA

prEN 50090-6-2:2024

Home and Building Electronic Systems (HBES) - Part 6-2: IoT Semantic Ontology model description

This document defines the HBES Information Model and a corresponding data exchange format for the Home and Building HBES Open Communication System.

Keel: en
Alusdokumendid: prEN 50090-6-2:2024
Asendab dokumenti: EVS-EN 50090-6-2:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 50173-10:2024

Information technology - Generic cabling systems - Part 10: Single pair cabling

This document specifies 1-pair cabling and can be used in conjunction with all the space-specific standards of the EN 50173 series but especially EN 50173-3 and EN 50173-6. NOTE 1-pair cabling for EN 50173-2, EN 50173-4 and EN 50173-5 is for further study. It delivers 1-pair cabling specifications to extend generic cabling systems according to the EN 50173 series. This document specifies the: - structure and minimum configuration for extension of generic cabling by 1-pair cabling; - interfaces at the service outlet (SO/TO); - performance requirements for cabling links and channels; - implementation requirements and options; - performance requirements for cabling components; - conformance requirements and verification procedures. This document takes into account the requirements specified in application standards listed in Annex C.

Keel: en
Alusdokumendid: prEN 50173-10:2024

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 9300-010

Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 010: Overview data flow

This document provides an overview description for the recommended processes for archiving of model based product data, e.g. 3D CAD and PDM data. The detailed processes are described in additional process parts of the EN 9300 series

Keel: en
Alusdokumendid: prEN 9300-010
Asendab dokumenti: EVS-EN 9300-010:2018

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO 13140

Electronic fee collection - Evaluation of on-board and roadside equipment for conformity to ISO 13141 (ISO/DIS 13140:2024)

This document specifies the test suite structure (TSS) and test purposes (TP) to evaluate the conformity of on-board equipment (OBE) and roadside equipment (RSE) to ISO 13141. It provides a basis for conformance tests for dedicated short-range communication (DSRC) equipment to support interoperability between different equipment supplied by different manufacturers. ISO 13141 specifies requirements for the localization augmentation communication (LAC) interface level, but not for the RSE or OBE internal functional behaviour. Consequently, tests regarding OBE and RSE functional behaviour remain outside the scope of this document.

Keel: en
Alusdokumendid: ISO/DIS 13140; prEN ISO 13140
Asendab dokumenti: EVS-EN ISO 13140-1:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO/IEC 19896-2

Information security, cybersecurity and privacy protection - Requirements for the competence of IT security conformance assessment body personnel - Part 2: Knowledge and skills requirements for ISO/IEC 19790 testers and validators (ISO/IEC DIS 19896-2:2024)

This document provides the minimum requirements for the knowledge, skills and effectiveness requirements of individuals performing testing activities for a conformance scheme using ISO/IEC 19790 and ISO/IEC 24759.

Keel: en
Alusdokumendid: ISO/IEC DIS 19896-2; prEN ISO/IEC 19896-2
Asendab dokumenti: EVS-EN ISO/IEC 19896-2:2023

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN ISO/IEC 27555

Information security, cybersecurity and privacy protection - Guidelines on personally identifiable information deletion (ISO/IEC 27555:2021)

The standard contains guidelines for developing and establishing policies and procedures for deletion of PII in organizations by specifying: — a harmonized terminology for PII deletion; — an approach for defining deletion rules in an efficient way; — a description of required documentation; and — a broad definition of roles, responsibilities and processes. This document is intended to be used by organizations where PII are stored or processed. This document does not address: — specific legal provision, as given by national law or specified in contracts; — specific deletion rules for particular clusters of PII as are to be defined by PII controllers for — processing PII; — deletion mechanisms; — reliability, security and suitability of deletion mechanisms; — specific techniques for de-identification of data.

Keel: en
Alusdokumendid: prEN ISO/IEC 27555; ISO/IEC 27555:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

43 MAANTEESÕIDUKITE EHITUS

prEN 13856

LPG equipment and accessories - Minimum requirements for the content of the user manual for automotive LPG systems

This document specifies the minimum requirements for the contents of the user manual for Automotive LPG propulsion systems fitted in road vehicles. This document does not cover the user manual for forklift trucks or other industrial machinery.

Keel: en
Alusdokumendid: prEN 13856
Asendab dokumenti: EVS-EN 13856:2002

Arvamusküsitluse lõppkuupäev: 30.01.2025

45 RAUDTEETEHNIKA

EN 14067-4:2024/prA1

Railway applications - Aerodynamics - Part 4: Requirements and assessment procedures for aerodynamics on open track

This document establishes requirements, test procedures, assessment methods and acceptance criteria for operating rolling stock in open track. For pressure variations and slipstream effects beside the track, requirements and assessment methods are provided. For running resistance, assessment methods are addressed in this document. Load cases on infrastructure components due to train-induced pressure variations and slipstream effects are addressed in this document. For ballasted track test set-ups for ballast projection assessment are proposed. The requirements only apply to rolling stock of the heavy rail system with maximum train speeds above 160 km/h and not to other rail systems. The document is applicable to all rolling stock and infrastructure in open air with nominal track gauges of 1 435 mm to 1 668 mm inclusive.

Keel: en
Alusdokumendid: EN 14067-4:2024/prA1
Muudab dokumenti: EVS-EN 14067-4:2024

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 14033-1

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 1: Technical requirements for running

This document defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. Special national conditions applicable to specific member states are shown in Annex B. This document applies to all railbound machines and other vehicles - referred to as machines - running exclusively on the railway (utilizing adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document is written for 1 435 mm nominal track gauge; special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, urban railways, railways utilizing other than adhesion between the rail and wheels and road-rail machines which are not included in this standard. This document covers the railway specific requirements for movements of the machine as a train and movements to reach work sites. This document applies to equipment and systems which are operational on machines in running mode.

Keel: en
Alusdokumendid: prEN 14033-1
Asendab dokumenti: EVS-EN 14033-1:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 14033-2

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 2: Technical requirements for travelling and working

1.1 General This document defines the specific technical railway requirements for travelling and working with railbound machines and other vehicles - referred to as machines - used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment as specified in prEN 14033 1:2024. This document applies to all machines working exclusively on the railway (utilizing adhesion between the rail and rail wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document is applicable to 1 435 mm nominal track gauge. Some requirements may be applicable for working on infrastructures with nominal narrow track gauge or nominal broad track gauge lines, tramways, railways utilizing other than adhesion between the rail and rail wheels and underground infrastructures. This document covers the safety requirements for the railway specific problems for travelling and working on different infrastructures. The application of these requirements will be the subject of a verification procedure, which is not part of this document. Annex I is included for information for the potential content of a verification procedure. In all cases an

authorization to work is needed to access the infrastructure. This document is also applicable for machines that in working position are partly supported on the ballast or the formation. This document does not apply to: - the requirements with regard to the quality of work, including the related measuring methods, and the performance of the machine;) - the specific requirements established by each railway infrastructure manager for the use of machines which will be the subject of negotiation between the manufacturer and the machine keeper. This document does not deal with the following additional requirements: - working methods; - operation in severe working conditions requiring special measures (e.g. work in tunnels or in cuttings, extreme environmental conditions such as corrosive conditions, tropical conditions, contaminating conditions, strong magnetic fields); - operation subject to special rules (e.g. potentially explosive atmospheres); - hazards due to errors in software; - hazards occurring when used to handle suspended loads which may swing freely; - hazards due to wind pressure greater than normal e.g. pressures caused by the passing of trains at speed in excess of 190 km/h. 1.2 Validity of this European Standard This document applies to all machines that are ordered one year after the publication date of this European Standard.

Keel: en
Alusdokumendid: prEN 14033-2
Asendab dokumenti: EVS-EN 14033-2:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 14033-3

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 3: General safety requirements

This document applies to railbound machines and other vehicles - referred to as machines - working exclusively on the railway (utilizing friction adhesion between the rail and rail wheels) but including machines that in working position are partly supported on the ballast or the formation and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE 1 Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document specifies the significant hazards, hazardous situations and events common to rail bound machines and arising due their use on railways when they are used as intended or under conditions of misuse which are reasonably foreseeable, see Clause 4. This document specifies the common hazards, in normal circumstances, during running, assembly and installation, commissioning, use (including setting, programming, and process changeover), operation, cleaning, fault finding, maintenance and de-commissioning of the machines. Additional safety measures can be required by exceptional circumstances, such as extreme ambient temperatures highly corrosive or contaminating environment; e.g. due to the presence of chemicals, and potentially explosive atmospheres. NOTE 2 This document covers the essential health and safety requirements connected to the use of railbound machines as outlined in the Machinery Directive. This document does not apply to the following: - requirements for quality of the work or performance of the machine; - use of separate equipment temporarily mounted on machines; - operation subject to special rules, e.g. potentially explosive atmospheres; - hazards due to natural causes, e.g. earthquake, lightning, flooding; - working methods; - operation in severe working conditions requiring special measures, e.g. corrosive environments, contaminating environments, strong magnetic fields; - hazards occurring when used to handle suspended loads which may swing freely; - autonomous mobile machines. NOTE 3 Autonomous mobile machines are referred to as ‘autonomous mobile machinery’ in the Machinery Regulations 3.1.1 c).

Keel: en
Alusdokumendid: prEN 14033-3
Asendab dokumenti: EVS-EN 14033-3:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 18128-1

Railway applications - New materials - Part 1: Guideline and validation methodology

This document defines a process guideline and a methodology to support the introduction of new materials and processes to meet the minimum requirements in the railway sector for all rolling stock defined in EN 17343 and onboard equipment. This document is applicable to new materials and processes for all rolling stock and onboard equipment.

Keel: en
Alusdokumendid: prEN 18128-1

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 18141

Railway applications - Braking - Emergency push button

This document specifies the requirements for the function, design, performance, and testing of emergency push buttons that are installed in train’s driving’s cab. This document is applicable for emergency push button. This document is not applicable for emergency handle.

Keel: en
Alusdokumendid: prEN 18141

Arvamusküsitluse lõppkuupäev: 30.01.2025

47 LAEVAEHITUS JA MERE-EHITISED

prEN 14206
Inland navigation vessels - Gangways for passenger vessels - Requirements, tests

This document applies to gangways for passenger vessels for inland navigation. It specifies the type, main dimensions and test conditions that can be observed for safety reasons. NOTE A gangway serves as walkway between the passenger vessel and the shore.

Keel: en
Alusdokumendid: prEN 14206
Asendab dokumenti: EVS-EN 14206:2003

Arvamusküsitluse lõppkuupäev: 30.01.2025

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 2583
Aerospace series - Bolts, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) - Classification: 1 275 MPa (at ambient temperature)/650 °C - Technical specification

This document specifies the characteristics, qualification and acceptance requirements for bolts with MJ threads in NI-PH2601. Classification: 1 275 MPa /650 °C .

Keel: en
Alusdokumendid: prEN 2583
Asendab dokumenti: EVS-EN 2583:2019

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 3004
Aerospace series - Nuts, self-locking, MJ threads, in heat resisting steel FE-PA2601 (A286), classification: 1 100 MPa (at ambient temperature)/650 °C - Technical specification

This document specifies the characteristics, qualification and acceptance requirements for self-locking nuts with MJ threads in FE-PA2601. Classification: 1 100 MPa /650 °C . It is applicable whenever referenced.

Keel: en
Alusdokumendid: prEN 3004
Asendab dokumenti: EVS-EN 3004:2000

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 3545-003
Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures -55 °C to 175 °C - Part 003: Connectors with female contacts - Product standard

This document specifies connectors with female contacts in the family of rectangular electrical connectors with sealed and non-sealed rear, plastic housing, locking device, for operating temperatures from −55 °C to 175 °C. These connectors may be used as receptacles (fixed housings) or plugs (free housings) in conjunction with the following coding and attachment system: - male coding and attachment system for mounting on a fixed housing; - female coding and attachment system for mounting on a free housing.

Keel: en
Alusdokumendid: prEN 3545-003
Asendab dokumenti: EVS-EN 3545-003:2005

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 3545-004
Aerospace series - Connectors, electrical, rectangular, with sealed and non-sealed rear, plastic housing, locking device, operating temperatures -55 °C to 175 °C - Part 004: Connectors with male contacts - Product standard

This document specifies connectors with male contacts in the family of rectangular electrical connectors with sealed and non-sealed rear, plastic shell, locking device, for operating temperatures from −55 °C to 175 °C. These connectors may be used as receptacles (fixed housings) or plugs (free housings) in conjunction with the following coding and attachment system: - male coding and attachment system for mounting on a fixed housing; - female coding and attachment system for mounting on a free housing.

Keel: en
Alusdokumendid: prEN 3545-004
Asendab dokumenti: EVS-EN 3545-004:2005

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 3745-100

Aerospace series - Fibres and cables, optical, aircraft use - Test methods - Part 100: General

This document defines terms, definition and all test methods for optical fibres and cable. In this document test methods items have been kept according to the historical references.

Keel: en
Alusdokumendid: prEN 3745-100
Asendab dokumenti: EVS-EN 3745-100:2008

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 4048

Aerospace series - Nuts, self-locking, MJ threads, in heat-resisting nickel base alloy NI-PH2601 (Inconel 718), MoS2 coated - Classification: 1 550 MPa (at ambient temperature)/425 °C - Technical specification

This document specifies the characteristics, qualification and acceptance requirements for self-locking nuts with MJ threads in NI-PH2601, MoS2 coated, for aerospace applications. Classification: 1 550 MPa /425 °C . It is applicable whenever referenced.

Keel: en
Alusdokumendid: prEN 4048
Asendab dokumenti: EVS-EN 4048:2005

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 4163

Aerospace series - Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated - Classification: 1 100 MPa (at ambient temperature) / 235 °C

This document specifies the characteristics of screws, 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated. Classification: 1 100 MPa /235 °C .

Keel: en
Alusdokumendid: prEN 4163
Asendab dokumenti: EVS-EN 4163:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 4855-02

Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

This document specifies a test procedure to identify performance characteristics and a weight rating of convection and steam ovens used on aircraft. Furthermore, it specifies the calculation procedure to determine an energy consumption index and a performance index. There is no direct correlation between the ECO efficiency and cooking performance in terms of food quality and appearance. The two index values represent the ECO efficiency.

Keel: en
Alusdokumendid: prEN 4855-02
Asendab dokumenti: EVS-EN 4855-02:2020

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 4913

Aerospace series - Use of regrinds and recycled materials in thermoplastic parts

This document provides guidance for the use of regrinds and recycled materials for thermoplastic parts for aerospace applications. The purpose of this document is to specify design and quality requirements. It does not specify process instructions or specific material requirements; these are specified in the processors process instructions and applicable material specifications.

Keel: en
Alusdokumendid: prEN 4913

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 6059-302

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 302: High temperature exposure

This document specifies a method for the high temperature exposure of protection sleeve for electrical cable and cable bundles for aerospace application. It is used together with EN 6059-100.

Keel: en
Alusdokumendid: prEN 6059-302
Asendab dokumenti: EVS-EN 6059-302:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 6059-305

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 305: Fluid absorption

This document specifies a method to verify the fluid repellent properties of protection sleeve for electrical cable and cable bundles. It is used together with EN 6059 100.

Keel: en
Alusdokumendid: prEN 6059-305
Asendab dokumenti: EVS-EN 6059-305:2019

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 6104

Aerospace series - Rivets, solid, in aluminium or aluminium alloy - Inch series - Technical specification

This document defines the characteristics and quality assurance requirements for solid rivets and slugs made in aluminium or aluminium alloys, inch series, for aerospace application. Following aluminium alloys are covered by this specification: 1050A-H14, 2017A-T42, 2117-T42, 5056A-H32 and 7050-T73.

Keel: en
Alusdokumendid: prEN 6104

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 9300-010

Aerospace series - LOTAR - LOng Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data - Part 010: Overview data flow

This document provides an overview description for the recommended processes for archiving of model based product data, e.g. 3D CAD and PDM data. The detailed processes are described in additional process parts of the EN 9300 series

Keel: en
Alusdokumendid: prEN 9300-010
Asendab dokumenti: EVS-EN 9300-010:2018

Arvamusküsitluse lõppkuupäev: 30.01.2025

53 TÕSTE- JA TEISALDUS-SEADMED

prEN ISO 703

Conveyor belts - Transverse flexibility (troughability) - Test method (ISO/DIS 703:2024)

This document specifies a test method for determining the transverse flexibility (troughability) of a conveyor belt, expressed as a ratio, F/L. The method is not suitable or valid for light conveyor belts as described in ISO 21183-1. NOTE The transverse “flexibility” determined by the method described in this document is only indirectly associated with the inverse of flexural modulus as specified in ISO 178. Nor does it take into consideration the differences in “flexibility” as exhibited by three-point and four-point bending, which takes account of the flexural strain and the thickness of the test piece.

Keel: en
Alusdokumendid: ISO/DIS 703; prEN ISO 703
Asendab dokumenti: EVS-EN ISO 703:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

67 TOIDUAINETE TEHNOLOOGIA

EN 1673:2020/prA1

Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

This document specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens which can be used with one or more mobile racks. These ovens are intended for professional use in the food industry and workshops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other ingredients and/or additives. This document applies to ovens used only for food products except for those containing volatile flammable ingredients (volatile organic compound, e.g. alcohol, oil, …). This document applies to ovens where the steam is generated by an evaporation process of drinking water on hot surfaces. The following machines are excluded: - experimental and testing machines under development by the manufacturer; - machines for non-professional uses. NOTE Due to the fact that rotary rack ovens are intended for professional uses, EN 60335-1 and EN 60335-2-42 are not applicable. This document covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see EN ISO 12100:2010, Clause 6). This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see informative Annex C). The following hazards are not covered by this document: - hazards from the use of gaseous fuel by gas appliances; - hazards arising from electromagnetic compatibility issues; - hazards from the use of trays made of or coated by silicone; - hazards due to dismantling, disabling and scrapping. This document does not deal with noise emitted by the machine. This document is not applicable to rotary rack ovens which were manufactured before the date of its publication as an EN.

Keel: en

Alusdokumendid: EN 1673:2020/prA1
Muudab dokumenti: EVS-EN 1673:2020

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 18143

Food processing machinery - Pizza dough sheeter machines - Safety and hygiene requirements

1.1 This document specifies safety and hygiene requirements for the design and manufacture of pizza dough sheeters which: a) are intended to be used: 1) for producing mainly pizza dough bases in shops and craft activities (i.e. pizzerias, takeaway pizza shops, craft bakeries and/or pastries, catering facilities, etc.); 2) for flattening and enlarging pieces of dough; 3) only for professional use; 4) by one operator at a time; 5) as standalone table-top machines only; 6) only with manual feeding of the pieces of pizza dough by gravity; 7) only with manual unloading of the flattened and enlarged pieces of pizza dough; b) are fitted with: 1) at most two pairs of flattening rollers, the rollers of a pair having the same diameter and the same length; 2) flattening rollers having: i. diameter ≤ 60 mm; ii. fixed direction of the rotation such as to move the pizza dough from top to bottom; iii. motor(s) for the rotation of the flattening rollers which transmit a power ≤ 0,50 kW to each pair of rollers 1.2 The following relevant hazards are not covered by this document: - hazards arising from the use of an automatic loading and/or unloading system; - hazards due to packaging, handling and transport; - hazards due to ambiguous and/or not easily understandable information needed to control the machine. This document does not deal with any specific requirement on noise emitted from pizza dough sheeters as the generated noise does not cause a relevant hazard. The significant hazards covered by this document are described in Annex A. 1.3 The following machines are excluded from the scope of this document: - domestic (household) appliances; - machines with automatic feeding of the pizza dough pieces and/or unloading of the pizza bases; - machines with feeding of the lumps other than by gravity; - machines to process other products than pizza dough; - bagel machines; - dough sheeters (see EN 1674:2015); - moulders (see EN 12041:2014); - sheeters for pasta dough processing; - experimental and testing machines under development by the manufacturer. 1.4 This document is not applicable to machines which are manufactured before the date of publication of this European Standard.

Keel: en
Alusdokumendid: prEN 18143

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 4855-02

Aerospace series - ECO efficiency of catering equipment - Part 02: Oven equipment

This document specifies a test procedure to identify performance characteristics and a weight rating of convection and steam ovens used on aircraft. Furthermore, it specifies the calculation procedure to determine an energy consumption index and a performance index. There is no direct correlation between the ECO efficiency and cooking performance in terms of food quality and appearance. The two index values represent the ECO efficiency.

Keel: en
Alusdokumendid: prEN 4855-02
Asendab dokumenti: EVS-EN 4855-02:2020

Arvamusküsitluse lõppkuupäev: 30.01.2025

71 KEEMILINE TEHNOLOOGIA

EN 17885:2023/prA1

Candle accessories - Specification for fire safety and product safety labels

This document specifies requirements and test methods for the fire safety of candle accessories, as well as safety information and requirements on how safety information will be displayed. The safety requirements and test methods specified in this document are intended to cover the most common risks. This document does not specify requirements or test methods for uncommon risks arising from the unforeseen combination of accessories and candles.

Keel: en
Alusdokumendid: EN 17885:2023/prA1
Muudab dokumenti: EVS-EN 17885:2023

Arvamusküsitluse lõppkuupäev: 30.01.2025

75 NAFTA JA NAFTATEHNOLOOGIA

prEN ISO 19901-2

Oil and gas industries including lower carbon energy - Specific requirements for offshore structures - Part 2: Seismic design procedures and criteria (ISO/DIS 19901-2:2024)

This document contains requirements for defining the seismic design procedures and criteria for offshore structures; guidance on the requirements is included in Annex A. The requirements focus on fixed steel offshore structures and fixed concrete offshore structures. The effects of seismic events on floating structures and partially buoyant structures are briefly discussed. The site-specific assessment of jack-ups in elevated condition is only covered in this document to the extent that the requirements are applicable. Only earthquake-induced ground motions are addressed in detail. Other geologically induced hazards such as liquefaction, slope instability, faults, tsunamis, mud volcanoes and shock waves are mentioned and briefly discussed. The requirements are intended to reduce risks to persons, the environment, and assets to the lowest levels that are reasonably practicable. This intent is achieved by using: a) seismic design procedures which are dependent on the exposure level of the

offshore structure and the expected intensity of seismic events; b) a two-level seismic design check in which the structure is designed to the ultimate limit state (ULS) for strength and stiffness and then checked to abnormal environmental events or the abnormal limit state (ALS) to ensure that it meets reserve strength and energy dissipation requirements. Procedures and requirements for a site-specific probabilistic seismic hazard analysis (PSHA) are addressed for offshore structures in high seismic areas and/or with high exposure levels. However, a thorough explanation of PSHA procedures is not included. Where a simplified design approach is allowed, worldwide offshore maps, which are included in Annex B, show the intensity of ground shaking corresponding to a return period of 1 000 years. In such cases, these maps can be used with corresponding scale factors to determine appropriate seismic actions for the design of a structure, unless more detailed information is available from local code or site-specific study. NOTE For design of fixed steel offshore structures, further specific requirements and recommended values of design parameters (e.g. partial action and resistance factors) are included in ISO 19902, while those for fixed concrete offshore structures are contained in ISO 19903. Seismic requirements for floating structures are contained in ISO 19904, for site-specific assessment of jack-ups and other MOUs in the ISO 19905 series, for arctic structures in ISO 19906 and for topsides structures in ISO 19901-3.

Keel: en
Alusdokumendid: ISO/DIS 19901-2; prEN ISO 19901-2
Asendab dokumenti: EVS-EN ISO 19901-2:2022

Arvamusküsitluse lõppkuupäev: 30.01.2025

79 PUIDUTEHNOLOOGIA

prEN 325
Wood-based panels - Determination of dimensions of test pieces

This document specifies a method for measuring the thickness, length and width of test pieces of wood-based panels.

Keel: en
Alusdokumendid: prEN 325
Asendab dokumenti: EVS-EN 325:2012

Arvamusküsitluse lõppkuupäev: 30.01.2025

83 KUMMI- JA PLASTITÖÖSTUS

prEN ISO 294-5
Plastics - Injection moulding of test specimens of thermoplastic materials - Part 5: Preparation of standard specimens for investigating anisotropy (ISO/DIS 294-5:2024)

This document specifies a mould (designated the type F ISO mould) for the injection moulding of plates with a preferred size of 80 mm × 120 mm and with a preferred thickness of 2 mm for single-point and multi-point data acquisition. It has been found to provide the maximum anisotropic properties, with only a slight sensitivity to the rate of injection. Whenever possible, a two cavity mould is intended to be used. For the design of plastic parts, this will provide upper and lower bounds for the tensile properties. Matching the plate thickness to a given part thickness is not a suitable criterion because of the effect of mould filling rate and part geometry on anisotropy. Investigation of the anisotropy of materials is a special procedure intended to provide guidance in the design of mouldings for end-use applications and is not intended as a quality control tool. In the injection moulding of thermoplastic materials, the flow of molten polymer can influence the orientation of fillers such as fibreglass or the orientation of polymer chains, resulting in anisotropic behaviour. For the purposes of this document, the flow direction is defined as the direction from the gate to the far end of the mould cavity and the cross direction as the direction perpendicular to the flow direction. The type F mould is not intended to replace the type D mould used to determine the moulding shrinkage of thermoplastics

Keel: en
Alusdokumendid: ISO/DIS 294-5; prEN ISO 294-5
Asendab dokumenti: EVS-EN ISO 294-5:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

91 EHITUSMATERJALID JA EHITUS

prEN 13318
Screed material and floor screeds - Definitions

This document defines terms, which are used in the production and application of screed material and floor screeds.

Keel: en
Alusdokumendid: prEN 13318
Asendab dokumenti: EVS-EN 13318:2005

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 16382
Thermal insulation products for building applications - Determination of the pull-through resistance of plate and spiral anchors through thermal insulation products

This document specifies equipment and procedures for determining the pull-through resistance of plate and spiral anchors through thermal insulation products.

Keel: en

Alusdokumendid: prEN 16382
Asendab dokumenti: EVS-EN 16382:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 16383

Thermal insulation products for building applications - Determination of the water tightness of external thermal insulation composite kits with a rendering system (ETICS kits)

This document specifies the equipment and procedures for determining the water tightness of external thermal insulation composite kits with a rendering system (ETICS kits).

Keel: en
Alusdokumendid: prEN 16383
Asendab dokumenti: EVS-EN 16383:2016

Arvamusküsitluse lõppkuupäev: 30.01.2025

93 RAJATISED

prEN 14033-1

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 1: Technical requirements for running

This document defines the specific technical railway requirements for running of machines and other vehicles used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment. Special national conditions applicable to specific member states are shown in Annex B. This document applies to all railbound machines and other vehicles - referred to as machines - running exclusively on the railway (utilizing adhesion between the rail and wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document is written for 1 435 mm nominal track gauge; special requirements can apply for running on infrastructures with narrow gauge or broad gauge lines, urban railways, railways utilizing other than adhesion between the rail and wheels and road-rail machines which are not included in this standard. This document covers the railway specific requirements for movements of the machine as a train and movements to reach work sites. This document applies to equipment and systems which are operational on machines in running mode.

Keel: en
Alusdokumendid: prEN 14033-1
Asendab dokumenti: EVS-EN 14033-1:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 14033-2

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 2: Technical requirements for travelling and working

1.1 General This document defines the specific technical railway requirements for travelling and working with railbound machines and other vehicles - referred to as machines - used for construction, maintenance and inspection of track, structures, track formation and fixed electric traction equipment as specified in prEN 14033 1:2024. This document applies to all machines working exclusively on the railway (utilizing adhesion between the rail and rail wheels) and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document is applicable to 1 435 mm nominal track gauge. Some requirements may be applicable for working on infrastructures with nominal narrow track gauge or nominal broad track gauge lines, tramways, railways utilizing other than adhesion between the rail and rail wheels and underground infrastructures. This document covers the safety requirements for the railway specific problems for travelling and working on different infrastructures. The application of these requirements will be the subject of a verification procedure, which is not part of this document. Annex I is included for information for the potential content of a verification procedure. In all cases an authorization to work is needed to access the infrastructure. This document is also applicable for machines that in working position are partly supported on the ballast or the formation. This document does not apply to: - the requirements with regard to the quality of work, including the related measuring methods, and the performance of the machine;) - the specific requirements established by each railway infrastructure manager for the use of machines which will be the subject of negotiation between the manufacturer and the machine keeper. This document does not deal with the following additional requirements: - working methods; - operation in severe working conditions requiring special measures (e.g. work in tunnels or in cuttings, extreme environmental conditions such as corrosive conditions, tropical conditions, contaminating conditions, strong magnetic fields); - operation subject to special rules (e.g. potentially explosive atmospheres); - hazards due to errors in software; - hazards occurring when used to handle suspended loads which may swing freely; - hazards due to wind pressure greater than normal e.g. pressures caused by the passing of trains at speed in excess of 190 km/h. 1.2 Validity of this European Standard This document applies to all machines that are ordered one year after the publication date of this European Standard.

Keel: en
Alusdokumendid: prEN 14033-2
Asendab dokumenti: EVS-EN 14033-2:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 14033-3

Railway applications - Infrastructure - Railbound construction and maintenance machines - Part 3: General safety requirements

This document applies to railbound machines and other vehicles - referred to as machines - working exclusively on the railway (utilizing friction adhesion between the rail and rail wheels) but including machines that in working position are partly supported on the ballast or the formation and used for construction, maintenance and inspection of track, structures, infrastructure and fixed electric traction equipment. This document applies to machines that are intended to operate signalling and control systems. NOTE 1 Other rail mounted railway maintenance and infrastructure inspection machines are dealt with in other European Standards, see Technical Report CEN/TR 17498:2020. This document specifies the significant hazards, hazardous situations and events common to rail bound machines and arising due their use on railways when they are used as intended or under conditions of misuse which are reasonably foreseeable, see Clause 4. This document specifies the common hazards, in normal circumstances, during running, assembly and installation, commissioning, use (including setting, programming, and process changeover), operation, cleaning, fault finding, maintenance and de-commissioning of the machines. Additional safety measures can be required by exceptional circumstances, such as extreme ambient temperatures highly corrosive or contaminating environment; e.g. due to the presence of chemicals, and potentially explosive atmospheres. NOTE 2 This document covers the essential health and safety requirements connected to the use of railbound machines as outlined in the Machinery Directive. This document does not apply to the following: - requirements for quality of the work or performance of the machine; - use of separate equipment temporarily mounted on machines; - operation subject to special rules, e.g. potentially explosive atmospheres; - hazards due to natural causes, e.g. earthquake, lightning, flooding; - working methods; - operation in severe working conditions requiring special measures, e.g. corrosive environments, contaminating environments, strong magnetic fields; - hazards occurring when used to handle suspended loads which may swing freely; - autonomous mobile machines. NOTE 3 Autonomous mobile machines are referred to as ‘autonomous mobile machinery’ in the Machinery Regulations 3.1.1 c).

Keel: en
Alusdokumendid: prEN 14033-3
Asendab dokumenti: EVS-EN 14033-3:2017

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 16431

Railway applications - Infrastructure - Hollow sleepers and bearers

This document defines technical criteria and control procedures which are satisfied by hollow sleepers and bearers used in ballasted track with Vignole rails. The hollow sleepers and bearers designed for ballasted track can also be used in ballastless track. In this case, the requirements are defined by the customer.

Keel: en
Alusdokumendid: prEN 16431
Asendab dokumenti: EVS-EN 16431:2014

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 50129:2024

Railway Application - Communication, signalling and processing system - Safety related electronic systems for signalling

This document is applicable to safety-related electronic systems (including subsystems and equipment) for railway signalling applications. This document applies to generic systems (i.e. generic products or systems defining a class of applications), as well as to systems for specific applications. The scope of this document, and its relationship with other CENELEC standards, are shown in Figure 1. This document is applicable only to the functional safety of systems. It is not intended to deal with other aspects of safety such as the occupational health and safety of personnel. While functional safety of systems clearly can have an impact on the safety of personnel, there are other aspects of system design which can also affect occupational health and safety and which are not covered by this document. This document applies to all the phases of the life cycle of a safety-related electronic system, focusing in particular on phases from 5 (architecture and apportionment of system requirements) to 10 (system acceptance) as defined in EN 50126-1:2017. Requirements for systems which are not related to safety are outside the scope of this document. This document is not applicable to existing systems, subsystems or equipment which had already been accepted prior to the creation of this document. However, so far as reasonably practicable, it should be applied to modifications and extensions to existing systems, subsystems and equipment. This document is primarily applicable to systems, subsystems or equipment which have been specifically designed and manufactured for railway signalling applications. It should also be applied, so far as reasonably practicable, to general-purpose or industrial equipment (e.g. power supplies, display screens or other commercial off the shelf items), which is procured for use as part of a safety-related electronic system. As a minimum, evidence should be provided in such cases (more information is given in 6.2) to demonstrate either – that the equipment is not relied on for safety, or – that the equipment can be relied on for those functions which relate to safety. This document is aimed at railway duty holders, railway suppliers, and assessors as well as at safety authorities, although it does not define an approval process to be applied by the safety authorities.

Keel: en
Alusdokumendid: prEN 50129:2024
Asendab dokumenti: EVS-EN 50129:2018
Asendab dokumenti: EVS-EN 50129:2018/AC:2019

Arvamusküsitluse lõppkuupäev: 30.01.2025

97 OLME. MEELELAHUTUS. SPORT

EN 1673:2020/prA1

Food processing machinery - Rotary rack ovens - Safety and hygiene requirements

This document specifies safety and hygiene requirements for the design and manufacture of rotary rack ovens which can be used with one or more mobile racks. These ovens are intended for professional use in the food industry and workshops (bakeries, pastry-making, etc.) for the batch baking of foodstuffs containing flour, water and other ingredients and/or additives. This document applies to ovens used only for food products except for those containing volatile flammable ingredients (volatile organic compound, e.g. alcohol, oil, …). This document applies to ovens where the steam is generated by an evaporation process of drinking water on hot surfaces. The following machines are excluded: - experimental and testing machines under development by the manufacturer; - machines for non-professional uses. NOTE Due to the fact that rotary rack ovens are intended for professional uses, EN 60335-1 and EN 60335-2-42 are not applicable. This document covers the technical safety requirements for the transport, installation, operation, cleaning and maintenance of these machines (see EN ISO 12100:2010, Clause 6). This document deals with all significant hazards, hazardous situations and events relevant to rotary rack ovens when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer (see informative Annex C). The following hazards are not covered by this document: - hazards from the use of gaseous fuel by gas appliances; - hazards arising from electromagnetic compatibility issues; - hazards from the use of trays made of or coated by silicone; - hazards due to dismantling, disabling and scrapping. This document does not deal with noise emitted by the machine. This document is not applicable to rotary rack ovens which were manufactured before the date of its publication as an EN.

Keel: en
Alusdokumendid: EN 1673:2020/prA1
Muudab dokumenti: EVS-EN 1673:2020

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 50090-6-2:2024

Home and Building Electronic Systems (HBES) - Part 6-2: IoT Semantic Ontology model description

This document defines the HBES Information Model and a corresponding data exchange format for the Home and Building HBES Open Communication System.

Keel: en
Alusdokumendid: prEN 50090-6-2:2024
Asendab dokumenti: EVS-EN 50090-6-2:2021

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 650

Resilient floor coverings - Polyvinyl chloride floor coverings on jute backing or on polyester felt backing or on a polyester felt with a polyvinyl chloride backing - Specification

This document specifies the characteristics of floor coverings based on polyvinyl chloride and modifications thereof, on jute or polyester backing or on polyester felt with polyvinyl chloride backing, supplied in either tile or roll form. To encourage the consumer to make an informed choice the document includes a classification system (see EN ISO 10874) based on intensity of use, which shows where these floor coverings give satisfactory service. It also specifies requirements for marking.

Keel: en
Alusdokumendid: prEN 650
Asendab dokumenti: EVS-EN 650:2012

Arvamusküsitluse lõppkuupäev: 30.01.2025

prEN 71-7

Safety of toys - Part 7: Finger paints - Requirements and test methods

This part of EN 71 specifies requirements for the substances and materials used in finger paints and applies to finger paints only. Additional requirements are specified for markings, labelling and containers. NOTE EN 71-3 and EN 71-12 specify requirements and test methods for finger paints for the migration of certain elements (see F.4) and N-nitrosamines (see F.9).

Keel: en
Alusdokumendid: prEN 71-7
Asendab dokumenti: EVS-EN 71-7:2014+A3:2020

Arvamusküsitluse lõppkuupäev: 30.01.2025

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 6508-1:2023

Metallmatejalid - Rockwelli kõvaduse katse. Osa 1: Katsemeetod

See dokument määrab kindlaks meetodi Rockwelli tavaliste ja Rockwelli pindmise kõvaduse katsete jaoks skaalade A, B, C, D, E, F, G, H, K, 15N, 30N, 45N, 15T, 30T ja 45T metallmaterjalidele ja on kasutatav statsionaarsete ja teisaldatavate kõvaduse mõõtmise masinate jaoks. Spetsiifilistele materjalidele ja/või toodetele rakenduvad muud asjakohased rahvusvahelised standardid (nt ISO 3738-1 ja ISO 4498).

Keel: et
Alusdokumendid: ISO 6508-1:2023; EN ISO 6508-1:2023

Kommenteerimise lõppkuupäev: 31.12.2024

prEN 12697-16

Asfaltsegud. Katsemeetodid. Osa 16: Vastupidavus naastrehvide toimele

See dokument täpsustab kaht katsemeetodit (meetod A ja meetod B) naastrehvide tekitatava kulumise määramiseks, katsetades silindrilisi asfaltsegude proovikehasid. Katsemeetodid on rakendatavad asfaltsegudele, mille ülemine teramõõde ei ületa 22 mm. Katsed on rakendatavad laboratoorselt valmistatud proovikehadele või katendist või plaadist puuritud puurproovidele. MÄRKUS 1 Meetod A pärineb „Prall“-meetodist, mida on laiaulatusliku Põhjamaades teostatud uurimustöö alusel täiustatud. Teebituumeni kasutamise korral korreleerub meetod teel kulumisega. Põhjamaade kogemustele tuginedes ei ole meetodi A laboratoorse kulumise ja teel toimuva kulumise seoseid polümeermodifitseeritud bituumeni või kummiga modifitseeritud bituumeni vms kasutamise korral kindlaks tehtud. MÄRKUS 2 Meetod B põhineb Soome kogemustel ja on sobilik ka siis, kui kasutatakse polümeermodifitseeritud bituumenit. Kummi kasutamise korral ei ole laboratoorse kulumise ja teel toimuva kulumise seoseid kindlaks tehtud.

Keel: et
Alusdokumendid: prEN 12697-16

Kommenteerimise lõppkuupäev: 31.12.2024

prEN 12697-2

Asfaltsegud. Katsemeetodid. Osa 2: Terastikulise koostise määramine

See dokument määratleb asfaltsegude täitematerjalide terastikulise koostise määramise protseduuri sõelumise teel. See katsemeetod on rakendatav täitematerjalidele, mis on saadud sideaine ekstraheerimise järel EN 12697-1 või EN 12697-39 kohaselt. MÄRKUS Katsetulemust mõjutavad kiudmaterjalid, (ekstraheerimise käigus mittelahustuvad) tahked lisandid ja (mõned) sideaine modifikaatorid.

Keel: et
Alusdokumendid: prEN 12697-2

Kommenteerimise lõppkuupäev: 31.12.2024

prEVS-EN 12464-2

Valgus ja valgustus. Töökohavalgustus. Osa 2: Välistöökohad

See dokument määratleb valgustusnõuded inimeste välistöökohtadele, mis tagaks vajaliku nägemismugavuse ja võimaldavad töösooritamist normaalse või normaalseks korrigeeritud (nägemis-) võimega inimestel. Arvesse on võetud tavapärased nägemisülesanded ja häiriva valguse vältimine. See dokument sätestab enamiku välistöökohtade ja nendega seotud alade valgustuslahenduste kvantiteedi- ja kvaliteedinõuded. Peale selle esitatakse heale valgustustavale vastavad soovitused. Kuigi selles standardis määratletud nõuded valgustusele vastavad üldiselt ohutusnõuetele, ei sätesta see dokument valgustusnõudeid, lähtudes töötajate tööohutusest ja -tervishoiust, ega ole koostatud Euroopa Ühenduse lepingu artikli 153 rakendamise seisukohast. MÄRKUS Valgustusnõuded, mis on vajalikud töötajate tööohutuse ja -tervishoiu tagamiseks, võivad sisalduda Euroopa Ühenduse lepingu artiklil 153 põhinevates direktiivides, nende direktiivide rakendamiseks liikmesriikide õigusaktides või liikmesriikide muudes siseriiklikes õigusaktides. Samuti ei näe see standard ette konkreetseid lahendusi ega piira projekteerija vabadust uute tehniliste lahenduste või innovatiivsete seadmete kasutamisel. Valgustuse võib tagada päevavalgusega, elektervalgustusega või nende üheaegsel kasutamisel. Seda Euroopa standardit ei rakendata sisetöökohtade ja allmaakaevanduse valgustuse ega hädavalgustuse korral. Teavet sisetöökohtade valgustuse kohta vt standardist EN 12464-1 ning hädavalgustuse kohta standarditest EN 1838 ja EN 13032-3.

Keel: et
Alusdokumendid: EN 12464-2:2024

Kommenteerimise lõppkuupäev: 31.12.2024

prEVS-EN 15269-2

Uste, luukide ja avatavate akende ning nende suluste tulepüsivuse ja/või suitsupidavuse katsetulemuste kasutusulatuse laiendamine. Osa 2:Hingedega ja pöördtelgedega metallist uksekomplektide tulepüsivus

See dokument hõlmab ühe- ja kahepoolseid, hingedega ja pöördtelgedega terasel põhinevaid uksekomplekte, välja arvatud terasest uksekomplektid, mille metall raamidega ukselehed on kaetud standardiga EN 15269-5. See näeb ette reeglid standardi EN 1634-1 kohaselt läbiviidud tulepüsivuskatse(te)st saadud katsetulemuste kasutusulatuse laiendamiseks. Kui asjakohane katse või katsed on tehtud, võib laiendatud kasutusulatus hõlmata kõiki või mõnda järgmistest näidetest: — terviklikkuse (E), terviklikkuse ja soojuskiirguse (EW) või terviklikkuse ja soojusisolatsioonivõime (EI1 või EI2) klassifikatsioonid; — ukseleht; — külgpaneelid, framuugipaneelid, siledad ülapaneelid; — siirdeõhurestid (nt. ventilatsioonirestid/ventilatsiooniavad); — tugitarindi (nt sein, lagi) külge kinnitatud komponente(nt. leng/riputussüsteem); — uksekomplektis olev klaasing (nt ukselehes, külje-, framuugi- ja siledates ülapaneelides); — akna- ja uksetarvikud; — dekoratiivsed ja/või kaitsvad viimistluskihid; — paisuvad tihendid, ribad ja mittepaisuvad (suitsu-, tuuletõkke- või helitõkke-) tihendid; — alternatiivsed tugitarindid. See dokument ei hõlma horisontaalseid uksekomplekte (nt luugid). Käesolevas dokumendis ei käsitleta mõju uksekomplektide klassifikatsioonile C pärast laiendatud kasutusulatuse protsessi.

Keel: et
Alusdokumendid: EN 15269-2:2024

Kommenteerimise lõppkuupäev: 31.12.2024

prEVS-EN IEC 60079-14

Plahvatusohtlikud keskkonnad. Osa 14: Elektripaigaldiste kavandamine, seadmete valik ja paigaldamine, sh esmane ülevaatus

Standardi IEC 60079 käesolev osa sisaldab elektrisüsteemide kavandamise, valiku, paigaldamise ja Ex-seadmetega elektripaigaldiste esmakontrolli erinõudeid plahvatusohtlikus keskkonnas, kas vahetult või sellega seotult, sh nõudeid dokumentatsioonile ja personali pädevusele. Need nõuded täiendavad mitteohtlikes piirkondades asuvate paigaldiste nõudeid. MÄRKUS 1 Vahelduvpingel kuni 1000 V või alalispingel kuni 1500 V põhinevad selle dokumendi nõuded standardisarja IEC 60364 paigaldusnõuetel ja kõrgemate pingete puhul standardisarja IEC 61936 nõuetel, kuid kehtida võivad ka muud asjakohased riiklikud nõuded. Avamere paigaldiste puhul kehtib standardisari IEC 61892. MÄRKUS 2 Maksimaalsed pinged on piiratud konkreetse kaitseviisiga vastavalt standardisarja IEC 60079 teistele osadele ja need on esitatud Ex-seadmete dokumentatsioonis. See dokument kehtib kõikide elektriliste Ex-seadmete kohta, sh kohtkindlate, transporditavate, kantavate ja isiklike seadmete kohta ning püsipaigaldiste või ajutiste paigaldiste kohta. MÄRKUS 3 Juhised transporditavate, kantavate või isiklike seadmete kohta leiab lisast I ja standardist IEC TS 60079-48. See dokument ei kehti: • elektripaigaldiste kohta tuleohtlikes kaevandustes; MÄRKUS 4 See dokument võib kehtida kaevanduste elektripaigaldiste kohta, kus võivad tekkida muud plahvatusohtlikud gaasikeskkonnad peale kaevandusgaasi (metaani), ja kaevanduste maapealsete elektripaigaldiste kohta. • olemuslikult plahvatusohtlikes oludes ja lõhkeainete või pürofoorsete ainete tolmu keskkonnas (nt lõhkeainete tootmisel ja töötlemisel); • meditsiiniliseks otstarbeks kasutatavates ruumides; • elektripaigaldiste kohta piirkondades, kus ohuks on tuleohtlik õhutolm ja • mitteelektriliste Ex-seadmete paigaldamise korral (välja arvatud juhul, kui need on osa seadmete komplektist vastavalt standardile IEC TS 60079-46). MÄRKUS 5 Täiendavad juhised nõuete kohta, mis käsitlevad tolmu või lenduvate kiudude ja tuleohtliku gaasi või auru hübriidsegusid, on esitatud lisas H. MÄRKUS 6 Ex-seadme sertifikaadiga kantavate tööriistade kasutamine võib tekitada süüteallika, mis ei kuulu selle dokumendi reguleerimisalasse, näiteks: puur, mis võib tekitada töödeldaval detailil kõrge temperatuuri. Selles dokumendis ei võeta arvesse tuleohtlike gaaside, vedelike ja tolmuga seotud mürgitusohtu, mille puhul ainete kontsentratsioonid on tavaliselt väga palju väiksemad kui alumise süttimispiiri kontsentratsioon. Kohtades, kus töötajad võivad kokku puutuda potentsiaalselt toksilise kontsentratsiooniga tuleohtlike materjalidega, on vajalikud asjakohased ettevaatusabinõud. Need meetmed ei kuulu selle dokumendi reguleerimisalasse.

Keel: et
Alusdokumendid: IEC 60079-14:2024; EN IEC 60079-14:2024

Kommenteerimise lõppkuupäev: 31.12.2024

STANDARDITE JA STANDARDILAADSETE DOKUMENTIDE ÜLEVAATUS

Algupärase Eesti standardi ülevaatus toimub üldjuhul iga viie aasta järel ning selle eesmärk on kontrollida standardi tehnilist taset, vastavust aja nõuetele, vastavust kehtivatele õigusaktidele, kooskõla rahvusvaheliste või Euroopa standarditega jne.

Ülevaatuse tulemusena jäetakse standard kehtima, algatatakse standardi muudatuse või uustöötluse koostamine, tühistatakse standard või asendatakse see ülevõetava Euroopa või rahvusvahelise standardiga.

ÜLEVAATUSKÜSITLUS

EVS 899:2009

Kvantitatiivsed struktuur-aktiivsus analüüsid. Mudelite koostamine ja kasutamine
Quantitative Structure-Activity Analyses. Building and application of models

Käesolev Eesti standard käsitleb ainete struktuuride ja nende omaduste vaheliste seoste analüüsi. Käesolev standard kirjeldab statistilisi ja teoreetilise keemia protseduure analüüsiks valitud uuritava aktiivsuste andmekomplekti kvantitatiivseks seostamiseks vastavate keemiliste ühendite struktuuridega, mida iseloomustatakse teoreetiliste deskriptoritega. Protseduuri tulemusel saadakse statistiline mudel, mis võimaldab ennustada käsitletavat aktiivsust teiste mudeli rakenduvuspiirkonda kuuluvate struktuuride (ainete) jaoks. Käesolev standard käsitleb nii lineaarsete kui mittelineaarsete sõltuvuste analüüsi, andes juhiseid mudelite koostamiseks ning kvaliteedi hindamiseks. Standard on rakendatav bioloogiliste, farmakoloogiliste, füüsikaliste või keemiliste aktiivuste/omaduste analüüsil. Käesolev standard käsitleb ennekõike kolmemõõtmelisi kvantitatiivseid struktuur-aktiivsus sõltuvusi, mille eelduseks on lähtumine kolmemõõtmelistest atomistlikul tasandil struktuuridest, kuid on suures osas rakendatav ka muud tüüpi kvantitatiivsete struktuur-aktiivsus sõltuvuste korral.

Ülevaatusküsitluse lõppkuupäev: 31.12.2024

PIKENDAMISKÜSITLUS

EVS 923:2014

Eesti e-arve profiil
Estonian e-invoice profile

See Eesti standard rakendub Eestis kasutusel olevatele e-arvetele, mida vahendatakse pankadesse, ametiasutustele ja ettevõtetele. Lisaks on seda võimalik rakendada piiriüleses arveldamises ning kasutada ka alusena hangete koostamisel – hankija saab esitada konkreetse viite standardile, millele peavad vastama hanke tulemusena esitatavad teenusarved. Standardiseeritud e-arve võimaldab laiemat toetust ja muudab vormingu ametlikuks.

Pikendamisküsitluse lõppkuupäev: 31.12.2024

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 812-2:2014

Ehitiste tuleohutus. Osa 2: Ventilatsioonisüsteemid
Fire safety of constructions - Part 2: Ventilation systems

See standard sätestab tuleohutusnõuded ehitiste ventilatsioonisüsteemide projekteerimisele, ehitamisele ja ekspluatatsioonile. Standardis käsitletakse mitut tuletõkkesektsiooni teenindavat ventilatsiooniseadet (keskventilatsiooniseadet) ning rakenduslikus mahus ka ühte tuletõkkesektsiooni teenindavat ventilatsiooniseadet. Seda standardit võib rakendada peale põhiliste ventilatsiooniseadmete ka täiendavate ventilatsiooniseadmete tuleohutusele. Täiendavateks seadmeteks on näiteks soojaõhugeneraatorite kanalivõrgud, puru-, tolmu- jms eemalduskanalid, materjalide ülekandekanalid jne. Standardi kasutamisel tuleb arvestada Vabariigi Valitsuse 27. oktoobri 2004 määrust nr 315.

Kehtima jätmise alus: EVS/TK 05 otsus 05.06.2024 2-8.2/222, teade pikendamisküsitlusest 15.10.2024 EVS Teatajas, küsitluste tagasiside koond 21.11.2024 2-5/40

EVS 812-8:2018

Ehitiste tuleohutus. Osa 8: Kõrghoonete tuleohutus
Fire safety of constructions - Part 8: Fire safety of high-rise buildings

Selles Eesti standardis käsitletakse kõrghoonete tuleohutust, välja arvatud aatriumruumidega hooned.

Kehtima jätmise alus: EVS/TK 05 otsus 05.06.2024 2-8.2/222, teade pikendamisküsitlusest 15.10.2024 EVS Teatajas, küsitluse tagasiside koond 21.11.2024 2-5/41

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 12698-1:2007

Chemical analysis of nitride bonded silicon carbide refractories - Part 1: Chemical methods

This standard describes the methods for the analysis of all refractory products containing nitride and oxynitride bonded silicon carbide, irrespective of the silicon carbide level. It includes details of sample preparation, general principles of chemical analysis and detailed methods for the determination of carbon, silicon carbide, free aluminium, free silicon, total nitrogen and oxygen.

Keel: en
Alusdokumendid: EN 12698-1:2007
Tühistamisküsitluse lõppkuupäev: 31.12.2024

EVS-EN 12698-2:2007

Chemical analysis of nitride bonded silicon carbide refractories - Part 2: XRD methods

This standard describes methods for the determination of mineralogical phases typically apparent in nitride and oxy-nitride bonded silicon carbide refractory products using a Bragg-Brentano diffractometer. It includes details of sample preparation and general principles for qualitative and quantitative analysis of mineralogical phase composition. Quantitative determination of α-Si3N4, β-Si3N4, Si2ON2, AlN, and SiAlON are described.

Keel: en
Alusdokumendid: EN 12698-2:2007
Tühistamisküsitluse lõppkuupäev: 31.12.2024

EVS-EN 993-17:2001

Methods of test for dense shaped refractory products - Part 17: Determination of bulk density of granular materials by the mercury method with vacuum

This European Standard specifies the determination of the bulk density of granular refractory materials (grain bulk density) having a grain size greater than 2 mm, by the mercury method with vacuum. NOTE 1: This method is intended as the reference method because of its reproducibility and simplicity in use. However, mercury is known to be a hazardous substance, and therefore the determination of bulk density of granular materials can be carried out according to EN 993-18. This standard, which defines a method by water with vacuum is recommended for all routine purposes. Nevertheless, depending on the nature of the material tested, the two methods can give different results. NOTE 2: Under test conditions, applying a mercury pressure of 26,5 kPa, round pores with a diameter >- 55 um and elongated pores with a width >- 27,5 um are penetrated by mercury.

Keel: en
Alusdokumendid: EN 993-17:1998
Tühistamisküsitluse lõppkuupäev: 31.12.2024

EVS-EN ISO 12127-2:2008

Kaitseriietus leegi ja kuumuse vastu. Kaitseriietuse või selle koostismaterjali soojusülekande määramine kokkupuutel. Osa 2: Kukkuva silindri põhjustatud kuumus kokkupuutel
Clothing for protection against heat and flame - Determination of contact heat transmission through protective clothing or constituent materials - Part 2: Test method using contact heat produced by dropping small cylinders

This part of ISO 12127 specifies a test method designed to evaluate the heat transfer and the behaviour of materials used for protective clothing when such materials are struck by high temperature metal particles, especially when these are trapped in the folds of the fabric. The results obtained by this method permit the comparison of the behaviour of different materials which have undergone this test under standardized conditions. They do not permit conclusions to be drawn with respect to contacts with large splashes of molten cast iron or other metal, nor do they allow the behaviour of complete garments under industrial conditions to be predicted.

Keel: en
Alusdokumendid: ISO 12127-2:2007; EN ISO 12127-2:2007
Tühistamisküsitluse lõppkuupäev: 31.12.2024

EVS-IEC/TR 61000-1-1:2000

Elektromagnetiline ühilduvus (EMÜ). Osa 1: Üldist. Peatükk 1: Põhimääratluste ja -terminite kasutamine ning tõlgendamine
Electromagnetic compatibility (EMC) Part 1: General. Section 1: Application and interpretation of fundamental definitions and terms

Käesoleva standardi sisuks on mitmesuguste elektromagnetiliselt ühilduvate süsteemide projekteerimisel ja hindamisel põhilisteks peetavate terminite kirjeldamine ja tõlgendamine. Lisaks osutatakse tähelepanu erinevusele standarditud (normitud) olukorras ja seadme (seadmestiku või süsteemi) paigalduskohas (kohtkatsed) läbiviidud elektromagnetilise ühilduvuse (EMÜ) määramise katsete vahel. Terminid ja nende määratlused on toodud jaotises 2 viitega rahvusvahelise elektrotehnika sõnastiku IEV [1] osale IEC 50(161). Terminite kasutamist kirjeldatakse jaotises 3 ja nende määratluste tõlgendamine on toodud lisades.

Keel: en, et
Alusdokumendid: IEC TR 61000-1-1:1992
Tühistamisküsitluse lõppkuupäev: 31.12.2024

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN 50126-2:2017/A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 2: Süsteemide lähenemisviis ohutusele
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 2: Systems Approach to Safety

Eeldatav avaldamise aeg Eesti standardina 01.2025

EN 12464-2:2024

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

Eeldatav avaldamise aeg Eesti standardina 03.2025

EN IEC 61439-3:2024

Madalpingelised aparaadikoosted. Osa 3: Jaotuskilbid, mida tohivad käsitada tavaisikud
Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)

Eeldatav avaldamise aeg Eesti standardina 03.2025

AVALDATUD EESTIKEELSED STANDARDIPARANDUSED

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

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

EVS-EN 12665:2024/AC:2024

Valgus ja valgustus. Põhioskussõnad ja valgustusnõuete valiku alused
Light and lighting - Basic terms and criteria for specifying lighting requirements

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 10348:2024

Teras betooni sarrustamiseks. Tsingitud sarruseterastooted
Steel for the reinforcement of concrete - Galvanized reinforcing steel products

See dokument määrab kindlaks nõuded kuumtsingitud sarruseterasele toodete kujul, mis vastavad standardi EN 10080 nõuetele ja mida vajaduse korral töödeldakse edasi, nt vardad, painutatud vardad, klambrid, rullidest sirgestatud tooted, varrastest lõigatud tooted, keeviskonstruktsioonid ja mis tahes muud komponendid, mis on valmistatud betooni sarrustamiseks. See dokument ei kehti eelpingestamiseks mõeldud kuumtsingitud sarruse ega nende sarruse komponentide kohta.

EVS-EN 12255-4:2023

Reoveepuhastid. Osa 4: Esimene puhastusaste
Wastewater treatment plants - Part 4: Primary treatment

See Euroopa standard määratleb projekteerimisnõuded rajatistele ja seadmetele, mis on ette nähtud tahke aine, välja arvatud võreprahi ja liiva eemaldamiseks puhastamata reoveest reoveepuhastites, mille rajamisel on silmas peetud elanike ja inimekvivalentide koguarvu, mis on suurem kui 50. See hõlmab esimest puhastusastet, milles rakendatakse setitamist, peenvõresid ja mikrovõresid. MÄRKUS 1 Võreprahi ja liiva eemaldamist käsitletakse standardis EN 12255-3. MÄRKUS 2 Selles dokumendis ei käsitleta üksikasjalikult surveflotatsiooni (DAF), sest munitsipaalreoveepuhastites ei ole selle kasutamine esimeses puhastusastmes levinud. Surveflotatsiooni võib

EVS-EN 13232-9:2023

Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed laiatallalistele (Vignole'i) rööbastele. Osa 9: Pöörmerajatised
Railway applications - Track - Switches and crossings for Vignole rails - Part 9: Layouts

See dokument määratleb — geomeetrilised ja mitte-geomeetrilised vastuvõtukriteeriumid nii tehase territooriumil kui ka kliendi raudteel kokkupandud paigaldise ülevaatuseks, juhul kui paigaldis on tarnitud koostamata, osaliselt koostatuna või „komplektina“; — tarnitava paigaldise ulatuse; — jälgitavuse miinimumnõuded. Seda standardit rakendatakse üksnes tehase territooriumil või esmakordselt raudteel koostatud paigaldistele. Talitlust mõjutavad muud aspektid, nagu näiteks paigaldus- ja hooldustööde läbiviimine; neid ei peeta selle dokumendi osaks.

EVS-EN 13480-1:2024

Metallist tööstustorustik. Osa 1: Üldist
Metallic industrial piping - Part 1: General

See dokument määrab kindlaks tööstuslike torustikusüsteemide ja nende tugede, sealhulgas ohutussüsteemide nõuded, mis on valmistatud metallmaterjalidest, et tagada ohutu töö. See dokument on kohaldatav maapealsetele, kanaliseeritud või maa-alustele metalltorustikele, sõltumata rõhust. See dokument ei ole kohaldatav — torujuhtmetele ja nende lisaseadmetele; — veevoolusüsteemidele, nagu survetorud, survetunnelid ja hüdroelektrijaamade survetornid ning nendega seotud spetsiifilised lisaseadmed; — sõidukite torustikele, mis on hõlmatud EMÜ tüübikinnitusmenetlustega, nagu on sätestatud direktiivides 70/156/EMÜ [1], 74/150/EMÜ [2] ja 92/61/EMÜ [3]; — spetsiaalselt tuumaenergia kasutamiseks mõeldud toodetele, mille rike võib põhjustada radioaktiivsuse eraldumist; — nafta-, gaasi- või geotermaalenergia uurimise ja kaevandamise tööstuses ning maa-aluses ladustamises kasutatavatele kaevukontrolliseadmetele, mis on ette nähtud kaevusurve hoidmiseks ja/või kontrollimiseks, sealhulgas torustik; — kõrgeahjude torustikele, sealhulgas ahju jahutusele, kuuma õhu soojusvahetitele, tolmu kogujatele ja kõrgeahju heitgaaside pesuritele, samuti otsese redutseerimise kupolitele, sealhulgas ahju jahutusele, gaasi konverteritele ja vaakumahjudele ning terase ja värviliste metallide sulatamiseks, ümbersulatamiseks, gaaside eemaldamiseks ja valamiseks mõeldud paakidele; — kõrgepinge elektriseadmete, nagu lülitusseadmete, juhtimisseadmete ja trafode ümbristele; — survestatud torudele, mis on ette nähtud elektri- ja telefonikaablite edastussüsteemide hoidmiseks; — püsivalt paigaldatud torustikele laevadel, rakettidel, lennukitel ja mobiilsetel avamereseadmetel; — meditsiiniseadmete sisetorustikele, nagu on sätestatud direktiivis 93/142/EMÜ [4] meditsiiniseadmete kohta; — katelde sisetorustikele ja surveseadmete sisseehitatud torustikele.

EVS-EN 50126-1:2017/A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

Muudatus standardile EN 50126-1:2017

EVS-EN 50126-1:2017+A1:2024

Raudteealased rakendused. Töökindluse, kasutatavuse, hooldatavuse ja ohutuse (RAMS) määratlemine ning esitlemine. Osa 1: Põhinõuded ja üldprotseduur
Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process

See dokument • käsitleb RAMS-i, mida mõistetakse kui töökindlust, kasutatavust, hooldatavust ja ohutust ning nende omavahelist seostatud toimimist; • käsitleb RAMS-i elutsükli üldiseid aspekte. Selles osas olevaid juhiseid võib kasutada konkreetsete standardite rakendamisel; • määratleb: — RAMS-i juhtimise protsessi, mis põhineb süsteemi elutsüklil ja selle sisestel toimingutel; — süsteemse, vaadeldava süsteemi suuruse ja liigiga kohaldatava protsessi RAMS-i nõuete määratlemiseks ja nende nõuete täitmise esitlemiseks; • käsitleb raudtee spetsiifikat; • võimaldab RAMS-i elementide vaheliste konfliktide efektiivset haldamist ja juhtimist; • ei määratle: — RAMS-i eesmärke, mahte, nõudeid või spetsiifiliste raudteealaste rakenduste lahendusi; — raudteevaldkonna toodete selle standardi nõuetele vastavuse sertifitseerimise nõudeid või protsesse; — raudteealaga seotud osapoolte heakskiiduprotsessi. See dokument on rakendatav raudteealastele rakendustele, nimelt juhtkäskude ja signaalimise süsteemidele, veeremile ja püsipaigaldistele ning konkreetselt: • RAMS-i spetsifikatsioonile ja esitlusviisile kõikide raudteealaste rakenduste korral ning selliste rakenduste kõikidel tasanditel alates terviklikest raudteesüsteemidest kuni suuremate süsteemideni ning nende peamiste süsteemide üksikute ja kombineeritud allsüsteemide ning komponentide (sealhulgas tarkvara sisaldavate) korral, eelkõige: — uutele süsteemidele; — uutele süsteemidele, mida integreeritakse juba heaks kiidetud olemasolevatesse süsteemidesse, kuid ainult selles ulatuses ning senikaua, kuni uut, uue funktsionaalsusega süsteemi integreeritakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; — niivõrd, kuivõrd see on mõistlikult teostatav, olemasolevate süsteemide muudatustele ja laiendustele, mis on juba heaks kiidetud, kuid üksnes sellises ulatuses, kuivõrd olemasolevaid süsteeme muudetakse. Muudel juhtudel ei ole see olemasoleva süsteemi mis tahes muutmatutele aspektidele rakendatav; • kõigis rakenduse elutsükli asjakohastes etappides; • kasutamiseks raudteevaldajatele ja raudteevaldkonna tarnijatele. Selle standardi rakendamine ei ole nõutav olemasolevate, mittemuudetavate süsteemide korral, sealhulgas nende süsteemide korral, mis juba vastavad varasematele selle dokumendi versioonide nõetele. Selles Euroopa standardis kirjeldatud protsess eeldab, et raudteede valdajad ja tarnijad omavad ettevõtte tasemel kvaliteedi, toimivuse ja ohutuse tagamise tegevuspõhimõtteid. Selles standardis defineeritud lähenemisviis vastab standardis EN ISO 9001 esitatud kvaliteedijuhtimise nõuetele.

EVS-EN 50522:2022/A1:2024

Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine
Earthing of power installations exceeding 1 kV a.c.

Standardi EVS-EN 50522:2022 muudatus.

EVS-EN 50522:2022+A1:2024

Üle 1 kV nimivahelduvpingega tugevvoolupaigaldiste maandamine
Earthing of power installations exceeding 1 kV a.c.

Selles dokumendis määratakse võrkudes nimivahelduvpingega üle 1 kV ja nimisagedusega kuni 60 Hz paiknevate elektripaigaldiste maandussüsteemide projekteerimise ja ehitamise nõuded, et tagada ettenähtud kasutamise ohutus ja nõuetekohane toimivus. MÄRKUS Selle dokumendi tehnilisi ja protseduurilisi põhimõtteid saab rakendada, kui kolmandate poolte paigaldisi ja rajatisi kavandatakse ja/või ehitatakse kõrgepinge tugevvoolupaigaldiste lähedusse. Selles dokumendis mõistetakse tugevvoolupaigaldiste all järgmisi paigaldisi: a) alajaamad, sealhulgas elektriraudtee toitealajaamad; b) elektripaigaldised postidel, mastidel ja tornides; väljaspool suletud elektrikäiduala paiknevad jaotlad ja/või trafod; c) ühessamas paigas asuv(ad) üks (või mitu) elektrijaamaplokk(i); tugevvoolupaigaldis sisaldab generaatoreid ja trafosid koos kõigi selle juurde kuuluvate jaotlate ja kõigi abivooluahelatega; eri paikades asuvate elektrijaamaplokkide vahelised ühendused siia hulka ei kuulu; d) tehaste, tootmisettevõtete või muude tööstuslike, põllumajanduslike, kaubanduslike või avalike asutuste elektrivõrgud; e) tugevvoolupaigaldised avamererajatistel elektrienergia tootmiseks, ülekandeks, jaotamiseks ja/või salvestamiseks; f) õhuliinide ja maa-aluste liinide vahelised siirdemastid. Tugevvoolupaigaldisse kuuluvad muu hulgas järgmised seadmed: — pöörlevad elektrimasinad; — jaotlad; — trafod ja reaktorid; — muundurid; — kaablid; — juhistikud; — akupatareid; — kondensaatorid; — maandussüsteemid; — suletud elektrikäiduala koostisse kuuluvad hooned ja tarad; — juurdekuuluvad kaitse-, juhtimis- ja abisüsteemid; — suured õhksüdamikreaktorid. MÄRKUS 2 Üldjuhul on seadmestandard selle dokumendi suhtes ülimuslik. Seda dokumenti ei rakendata järgmiste tugevvoolupaigaldiste maandussüsteemide projekteerimisel ja ehitamisel: — eri paigaldiste vahelised õhuliinid ja maa-alused liinid; — elektriraudteed ja veerem; — kaevandusseadmed ja -paigaldised; — luminofoorlamppaigaldised; — standardile IEC 60092 (kõik osad) vastavad laevade elektripaigaldised ja standardile IEC 61892 (kõik osad) vastavad mandrilavapaigaldised, mida kasutatakse avamere naftatööstuses puurimiseks, töötlemiseks ja ladustamiseks; — elektrostaatilised seadmed (nt elektrifiltrid, elektrostaatilised värvipihustid); — katsetamispaigad; — meditsiiniseadmed, nt meditsiinilised röntgenseadmed. MÄRKUS 3 Standardisari EN 50341 „Elektriõhuliinid vahelduvpingega üle 1 kV“ määratleb õhuliinide maandussüsteemide konstruktsiooni ja ehitamise nõuded. MÄRKUS 4 Selle dokumendi käsitlusala ei sisalda nõudeid pingealuste tööde sooritamise kohta tugevvoolupaigaldistes. MÄRKUS 5 Selle dokumendi käsitlusala käsitleb kõrgepingepaigaldiste ohutusnõudeid ja nende mõju madalpingepaigaldistele. Kuni 1 kV elektripaigaldisele kehtib harmoneerimisdokumendi HD 60364 sari.

EVS-EN 673:2024

Klaas ehitusmaterjalina. Soojusläbivuse (U väärtuse) määramine. Arvutusmeetod
Glass in building - Determination of thermal transmittance (U value) - Calculation method

See dokument määrab kindlaks arvutusmeetodi tasase ja paralleelsete pindadega klaasi soojusläbivuse määramiseks. See dokument kehtib katmata klaasile (sh struktuursete pindadega klaas, nt mustriline klaas), kaetud klaasile ja materjalidele, mis ei ole pikas infrapunakiirguses läbipaistvad, milleks on naatriumlubiklaasist tooted, boorsilikaatklaas, klaaskeraamika, leelismuldsilikaatklaas ja alumiiniumsilikaatklaas. See dokument kehtib ka sellistest klaasidest ja/või materjalidest mitmekordsete klaaspakettide kohta. See ei kehti mitmekordsetele klaaspakettidele, mille gaasiruumis on pikale infrapunakiirgusele läbipaistvad

lehed või fooliumid. Selles dokumendis kirjeldatud protseduur määrab U väärtuse (soojusläbivuse) klaaspinna keskosas. Hõlmatud ei ole piirefektid, mis tulenevad isoleeritud klaaspaketi vahetükki või aknaraami läbivast soojussillast. Lisaks ei võeta arvesse päikesekiirgusest tingitud energiaülekannet. Dekoratiivsete ja muude aknaliistude mõju ei kuulu selle dokumendi käsitlusalasse. MÄRKUS Standardis EN ISO 10077-1:2017 on sätestatud metoodika akende, uste ja aknaluukide [1] üldise U väärtuse arvutamiseks, võttes arvesse selle dokumendi kohaselt klaasikomponentidele arvutatud U väärtust. Samuti on arvutusmetoodikast välja jäetud kõik gaasidest tulenevad mõjud, mis neelavad infrapunakiirgust 5 µm kuni 50 µm piirkonnas. Selle dokumendi esmane eesmärk on toodete võrdlus, mille jaoks on määratud klaaside vertikaalne asend. Lisaks arvutatakse U väärtused sama protseduuri abil muudel eesmärkidel, eelkõige järgneva ennustamiseks: — soojuskadu läbi klaasi; — juhtivussoojuse tõus suvel; — kondensatsioon klaaspindadel; — neeldunud päikesekiirguse mõju päikesefaktori määramisel [2]. Võib viidata allikatele [3], [4] ja [5] või muudele Euroopa standarditele, mis käsitlevad soojuskadude arvutusi selle standardiga määratud klaaspindade U väärtuste rakendamiseks. Klaaside, sealhulgas varjutusseadmete U väärtuste üksikasjalike arvutuste jaoks võib viidata allikale [6]. Vaakumisolatsiooniklaas (ingl Vacuum Insulating Glass, VIG) ei kuulu selle dokumendi käsitlusalasse. VIG U väärtuse määramiseks vaadake standardit EN 674 või ISO 19916-1. Emissiivsuse määramise protseduur on toodud standardis EN 12898. Reeglid on tehtud võimalikult lihtsaks, olles kooskõlas täpsusega.

EVS-EN ISO 13920:2023

Keevitus. Üldtolerantsid keeviskonstruktsioonidele. Väärtused pikkustele ja nurkadele. Kuju ja asendid

Welding - General tolerances for welded constructions - Dimensions for lengths and angles - Shape and position (ISO 13920:2023)

See dokument määratleb üldtolerantsid keeviskonstruktsioonide joon- ja nurkmõõtmetele ning kujule ja asendile nelja tolerantsiklassi järgi, mis põhinevad tavapärasel töökoja täpsusel. Konkreetse tolerantsiklassi valiku peamine kriteerium põhineb funktsionaalsetel nõuetel, mida tuleb täita. Alati tuleb kasutada tolerantse, mis on määratud joonisel. Individuaalsete tolerantside määramise asemel võib kasutada tolerantsiklasse selle dokumendi kohaselt. Selles dokumendis määratletud joonmõõtmete, nurgamõõtmete ning kuju ja asendi üldtolerantse rakendatakse keeviskoostude, keevissõlmede, keeviskonstruktsioonide jms jaoks. Keeruliste konstruktsioonide korral võivad vajalikuks osutuda erisätted. Selles dokumendis toodud spetsifikatsioonid põhinevad standardi ISO 8015 sõltumatuse põhimõttel, mille järgi mõõtmete ja geomeetria tolerantse kasutatakse teineteisest sõltumata. Tootmise dokumentatsiooni, milles joonmõõtmed ja nurgamõõtmed või viited kujule ning asendile on esitatud ilma individuaalsete tolerantsideta, tuleb pidada mittetäielikuks, kui seal ei ole või on mitteadekvaatselt viidatud üldistele tolerantsidele. See ei rakendu ajutistele mõõtmetele.

STANDARDIPEALKIRJADE MUUTMINE

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

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN 13232-9:2023	Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed. Osa 9: Pöörmerajatised	Raudteealased rakendused. Rööbastee. Pöörmed ja ristmed laiatallalistele (Vignole'i) rööbastele. Osa 9: Pöörmerajatised

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 10348:2024	Steel for the reinforcement of concrete - Galvanized reinforcing steel products	Teras betooni sarrustamiseks. Tsingitud sarruseterastooted
EVS-EN 12255-4:2023	Wastewater treatment plants - Part 4: Primary treatment	Reoveepuhastid. Osa 4: Esimene puhastusaste
EVS-EN ISO 13920:2023	Welding - General tolerances for welded constructions - Dimensions for lengths and angles - Shape and position (ISO 13920:2023)	Keevitus. Üldtolerantsid keeviskonstruktsioonidele. Väärtused pikkustele ja nurkadele. Kuju ja asendid

UUED HARMONEERITUD STANDARDID

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

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

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

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

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

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

Info esitatakse vastavate õigusaktide kaupa.

Määrus 811/2013 Kütteseadmete energiamärgistus

Komisjoni rakendusotsus 2024/2909 (EL Teataja 2024/L 25.11.2024)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 15502-1:2021+A1:2023 Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed	25.11.2024		

Määrus 813/2013 Kütteseadmete ökodisaini nõuded

Komisjoni rakendusotsus 2024/2909 (EL Teataja 2024/L 25.11.2024)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavus-eeldus kaotab kehtivuse
EVS-EN 15502-1:2021+A1:2023 Gaasküttega küttekatlad. Osa 1: Üldnõuded ja katsed	25.11.2024		